THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

ERIC

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950616-9

FROM: McCollum, Bill	TO: Cox
TITLE: U.S. REP (FLA)	TITLE: Commissioner
ORGANIZATION: U.S. Congress	ORGANIZATION: DBCRC
INSTALLATION (s) DISCUSSED: NNPTC ORLANDO	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR./CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE	✓		
DIR./COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER		X	
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature	✓	Prepare Direct Response
	ACTION: Offer Comments and/or Suggestions		FYI

Subject/Remarks:

Support for Orlando area facilities; COBRA ATTACHED; "REPORT TO THE DEF. BASE CLOSURE AND REALIGNMENT COMM." ATTACHED; EXTRA COPY FOR LIBRARY REQUESTED.

Due Date: 950618	Routing Date: 950616	Date Originated: 950613	Mail Date:

BILL McCOLLUM
8TH DISTRICT, FLORIDA

CHAIRMAN
SUBCOMMITTEE ON CRIME

COMMITTEE ON
JUDICIARY

COMMITTEE ON
BANKING AND FINANCIAL SERVICES

SELECT COMMITTEE ON INTELLIGENCE

Congress of the United States
House of Representatives
Washington, DC 20515-0908

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ORLANDO, FL 32801
(407) 872-1962
TOLL FREE FROM KISSIMMEE
931-3422

June 13, 1995

950616-9

The Honorable Rebecca Cox
Defense Base Closure and Realignment Commission
1700 N. Moore Street, Suite 1425
Arlington, VA 22209

RE: Navy Nuclear Power Training Command (NNPTC) and Other Orlando Interests.

Dear Rebecca:

Enclosed is a copy of the report on the three items of interest to Orlando which are in front of the Defense Base Closure and Realignment Commission (DBCRC). Pursuant to our brief discussion when you recessed the hearing Monday morning, I want to call your special attention to some matters related to the Navy Nuclear Power Training Command (NNPTC).

The main point on NNPTC is that given the Navy's "best case" in real terms there is no money saved over 20 years by the move to Charleston. The one time cost of the Charleston move is $147 million for new construction. Accepting all of the Navy's figures, $151 million net present value is recaptured over 20 years by "operational savings." If the fiction of $162 million of cost avoidance based on not making the move to New London were removed from the computer models the break even year for this move to Charleston would be year 20. Keeping NNPTC in Orlando is only going to involve a one time cost of $8 million. The move makes no sense.

Now let me take you through the details of this and the confusing numbers game the Navy is playing; it should be remembered that all of the COBRA runs are based on the fictional assumption that there is a $162 million cost avoidance in the "move" from New London to Charleston or New London to Orlando.

As you are aware the Navy has recently changed its estimated annual costs to operate the two schools which make up NNPTC if NNPTC were located at either New London or Charleston. These new numbers are much lower than previous estimates of annual operating costs. The annual costs associated with New London were originally $14.3 million and are now estimated to be $7.1 million. The original estimate on Charleston was $11.5 million and is now $6.6 million. In response to earlier questions I submitted to the Navy it estimated the annual operating costs at Orlando if NNPTC stayed there to be $19.3 million. At no time to date has the Navy indicated that any of these estimates were

based on certified data, nor has the Navy provided any explanation or details of how the estimates were arrived at. As recently as last week I submitted a letter to the Secretary of the Navy expressly requesting a breakdown of how they arrived at these estimates. Obviously these numbers effect the 20 year cost savings reduced to net present value and are discussed on pages four and five in the enclosed report.

The COBRA analysis discussed on page two of the report for retaining NNPTC in Orlando as reflected in the print out in Appendix A assumes that the annual operating costs at Orlando and Charleston would be the same. In this case Orlando would have a cost savings over 20 years at net present value of $157.5 million compared with Charleston's $71.1 million. The reason this COBRA run made this assumption is because in discussions with Navy personal at NNPTC in Orlando and the still existing staff at NTC Orlando I could not find any rational basis for the original estimated differences in annual operating costs let alone these new figures presented on Charleston and New London.

But to put this in perspective I asked our folks to do a COBRA analysis comparing Charleston and Orlando on the basis of the Navy's latest estimates. The net result is that using these new figures brings the 20 year cost savings at net present value of redirecting NNPTC to Charleston up to $151.2 million from $71.1 million. At the same time the differential presented between Charleston and Orlando in annual costs by this latest estimate would convert a $157.5 million 20 year savings by keeping NNPTC in Orlando to a $12.4 million cost over the twenty year period in net present value. I am enclosing for your reference the shortened version of two COBRA runs that reflect what I have just said. Also enclosed is a COBRA run on a move to Charleston that does not use the $162 million fictional cost avoidance so you can see the 20 years break even.

Now before you jump to any conclusions I want to bring to your attention the bottom line that does not change in all of this juggling of annual operating cost estimates by the Navy. The onetime cost to locate NNPTC at Charleston remains $147 million. The onetime cost to keep NNPTC in Orlando remains $8 million. Does it make any sense to spend $147 million up front to reconstruct what we already have in Orlando when in real terms it takes 20 years to reach a break even on return o investment? I don't think so.

Regardless of the Navy's new annual operating cost numbers I believe our case remains strong. At the same time I would certainly like to see the Navy's justification for the numbers they are using in their operating costs estimates in all three locations. I encourage you to prod DBCRC staff to help us get

the answers to the questions I have propounded relative to this matter. I am convinced the Navy won't be able to justify the big differences in its cost estimates. This number juggling is a distraction from the bottom line. Even with the Navy's best case for Charleston, there are no time savings for 20 years.

Thank you for reviewing these additional materials. Your continued interest and concern with regard to NNPTC is greatly appreciated.

Sincerely,

BILL McCOLLUM
Member of Congress

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
Data As Of 18:52 12/11/1994, Report Created 10:03 06/13/1995

Department : NAVY
Option Package : NPS to Charleston
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSCHAS4.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Starting Year : 1996
Final Year : 1996
ROI Year : 2016 (20 Years)

NPV in 2015($K): 3,875
1-Time Cost($K): 146,634

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	56,979	43,728	43,728	0	0	0	144,434	0
Person	0	0	0	0	0	0	0	0
Overhd	0	0	4,194	7,685	960	960	13,799	960
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	-12,700	-12,700	-12,700	-38,100	-12,700
Other	2,200	0	0	0	0	0	2,200	0
TOTAL	59,179	43,728	47,922	-5,015	-11,740	-11,740	122,333	-11,740

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0

Summary:

Redirect Navy Nuclear Power School from SUBASE NLON to WEPSTA Charleston.

Annual BOS non-payroll costs differential from CHAS to ORL of $12.7mm
shown as recurring savings at CHAS. ($19.3-$6.6=$12.7)

Excludes $162mm NLON cost avoidance

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 2/2
Data As Of 18:52 12/11/1994, Report Created 10:03 06/13/1995

Department : NAVY
Option Package : NPS to Charleston
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSCHAS4.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	56,979	43,728	43,728	0	0	0	144,434	0
Person	0	0	0	0	0	0	0	0
Overhd	0	0	4,194	7,685	960	960	13,799	960
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	2,200	0	0	0	0	0	2,200	0
TOTAL	59,179	43,728	47,922	7,685	960	960	160,433	960

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	0	0	0	0	0
Overhd	0	0	0	0	0	0	0	0
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	12,700	12,700	12,700	38,100	12,700
Other	0	0	0	0	0	0	0	0
TOTAL	0	0	0	12,700	12,700	12,700	38,100	12,700

2

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
Data As Of 16:19 05/08/1995, Report Created 14:36 06/12/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL4.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Starting Year : 1996
Final Year : 1996
ROI Year : Never

NPV in 2015($K): 12,425
1-Time Cost($K): 8,125

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	683	-118,897	-38,777	1,223	1,223	0	-154,544	0
Person	0	0	0	0	0	0	0	0
Overhd	21	21	21	860	860	860	2,642	839
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	12,700	12,700	12,700	38,100	12,700
Other	-5,025	-4,371	-406	-230	-371	-80	-10,483	0
TOTAL	-4,321	-123,247	-39,162	14,553	14,412	13,480	-124,285	13,539

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0

Summary:

RETAIN Navy Nuclear Power School and NUCFLDASCOL ORLANDO

Includes $162 million cost avoidance and
$12.7 million in annual recurring BOS costs from greater operations costs
in Orlando ($19.3-$6.6=$12.7)

NPSORL4.cbr

(3)

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 2/2
Data As Of 16:19 05/08/1995, Report Created 14:36 06/12/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL4.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	3,107	1,223	1,223	1,223	1,223	0	8,000	0
Person	0	0	0	0	0	0	0	0
Overhd	21	21	21	860	860	860	2,642	839
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	12,700	12,700	12,700	38,100	12,700
Other	0	0	0	0	0	0	0	0
TOTAL	3,128	1,244	1,244	14,783	14,783	13,560	48,742	13,539

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	2,424	120,120	40,000	0	0	0	162,544	0
Person	0	0	0	0	0	0	0	0
Overhd	0	0	0	0	0	0	0	0
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	5,025	4,371	406	230	371	80	10,483	0
TOTAL	7,449	124,491	40,406	230	371	80	173,027	0

(4)

1995-06-12 14:55 1407382254 FISHKIND & ASSOCIATES 023

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
Data As Of 18:52 12/11/1994, Report Created 14:37 06/12/1995

Department : NAVY
Option Package : NPS to Charleston
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSCHAS4.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Starting Year : 1996
Final Year : 1996
ROI Year : 1997 (1 Year)

NPV in 2015($K): -151,223
1-Time Cost($K): 146,634

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	54,555	-76,392	3,728	0	0	0	-18,109	0
Person	0	0	0	0	0	0	0	0
Overhd	0	0	4,194	7,685	960	960	13,799	960
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	-12,700	-12,700	-12,700	-38,100	-12,700
Other	2,200	0	0	0	0	0	2,200	0
TOTAL	56,755	-76,392	7,922	-5,015	-11,740	-11,740	-40,210	-11,740

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0

Summary:

Redirect Navy Nuclear Power School from SUBASE NLON to WEPSTA Charleston.

Annual BOS non-payroll costs differential from CHAS to ORL of $12.7mm
shown as recurring savings at CHAS. ($19.3-$6.6=$12.7)

SCENARIO 116

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 2/2
Data As Of 18:52 12/11/1994, Report Created 14:37 06/12/1995

Department : NAVY
Option Package : NPS to Charleston
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSCHAS4.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95CM.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	56,979	43,728	43,728	0	0	0	144,434	0
Person	0	0	0	0	0	0	0	0
Overhd	0	0	4,194	7,685	960	960	13,799	960
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	2,200	0	0	0	0	0	2,200	0
TOTAL	59,179	43,728	47,922	7,685	960	960	160,433	960

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	2,424	120,120	40,000	0	0	0	162,544	0
Person	0	0	0	0	0	0	0	0
Overhd	0	0	0	0	0	0	0	0
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	12,700	12,700	12,700	38,100	12,700
Other	0	0	0	0	0	0	0	0
TOTAL	2,424	120,120	40,000	12,700	12,700	12,700	200,644	12,700

2

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

ERIC

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950626-6

FROM: GARVEY, CLIFF G.	TO: DIXON
TITLE: STATE REP	TITLE: CHAIRMAN
ORGANIZATION: OFFICE OF SEN COHEN	ORGANIZATION: DBCRC
INSTALLATION (s) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR./CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE			
DIR./COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER		X	
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

✓	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

FORWARD IN CONSTITUENT LETTER

Due Date: 950628	Routing Date: 950626	Date Originated: 950622	Mail Date:

WILLIAM S. COHEN
MAINE

United States Senate

WASHINGTON, DC 20510-1901

Please refer to this number when responding 950626-6

150 Capitol Street
Post Office Box 347
Augusta, Maine 04332
June 22, 1995

The Honorable Alan J. Dixon, Chairman
Base Closure & Realignment Commission
1700 N. Moore Street
Arlington, Virginia 22209

Dear Chairman Dixon:

Senator Cohen was contacted recently by a constituent, Ms. Betty Robinson of Thomaston, regarding a recent news report that the Base Closure & Realignment Commission had decided to relocate a naval training facility from Florida to South Carolina.

Enclosed for your reference is a copy of the correspondence received by Senator Cohen. At your earliest convenience, please review this letter and advise Senator Cohen about how best to respond to this constituent inquiry.

On behalf of Senator Cohen, thank you in advance for your attention to this matter.

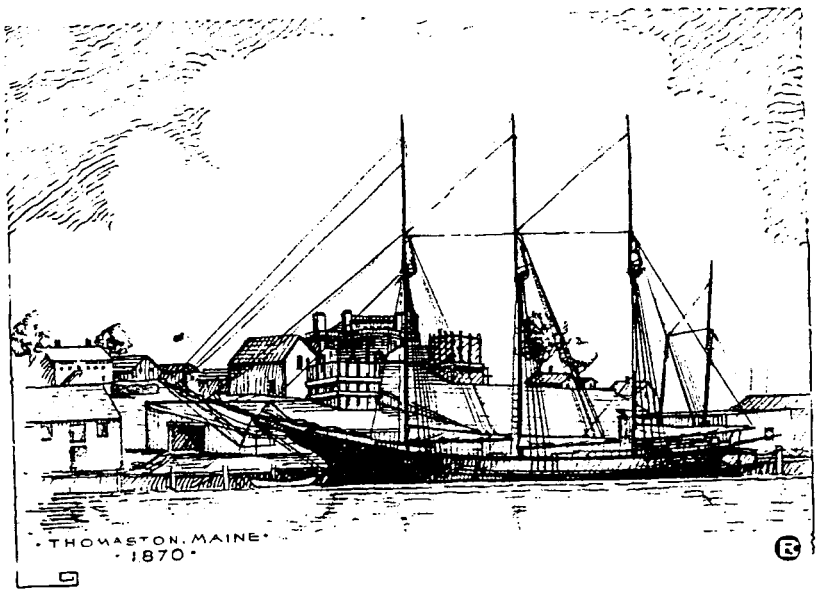
With best regards, I am

Sincerely,

Cliff G. Garvey
State Office Representative for
William S. Cohen
United States Senator

COPY

Betty Robinson
63 Main St.
Thomaston, Me-
04861



JUN 1 - 1995

June 12, 1995

Dear Sen. Cohen,

I just finished watching the Evening News (A.B.C.) and saw a report that really angers me —

It seems the Navy is closing a perfectly good Base (training nuclear sub personel) in Orlando, Fla. and is going to re-locate the base in S.C. where Sen. Strom Thurman lives — This is estimated to cost 150 million to 230 mill dollars — Important to note Sen Thurm is Chairman of Armed Service Com. (I think)

This is a disgrace — Please look into this & tell me what you think!

Sincerely, Betty R Slemco

(over)

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

ERIC

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950621-12

FROM: MCCOLLUM, BILL	**TO:** LYLES, DAVID
TITLE: REP. (FL)	**TITLE:**
ORGANIZATION: U.S. CONGRESS	**ORGANIZATION:**
INSTALLATION (s) DISCUSSED: NAVY NUCLEAR POWER TRAINING COMMAND	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR./CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE	✓		
DIR./COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER		X	
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
✓	Prepare Reply for Staff Director's Signature		Prepare Direct Response
✓	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

REQUESTING DBCRC CONSIDER REDIRECTING THE NNPTC TO ORLANDO INSTEAD OF CHARLESTON

Due Date 950623	**Routing Date:** 950621	**Date Originated:** 950620	**Mail Date:**

BILL McCOLLUM
8TH DISTRICT, FLORIDA

CHAIRMAN
SUBCOMMITTEE ON CRIME

COMMITTEE ON
JUDICIARY

COMMITTEE ON
BANKING AND FINANCIAL SERVICES

SELECT COMMITTEE ON INTELLIGENCE

Congress of the United States
House of Representatives
Washington, DC 20515-0908

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WASHINGTON, DC 20515-0908
(202) 225-2176

DISTRICT OFFICE
SUITE 650
805 EAST ROBINSON STREET
ORLANDO, FL 32801
(407) 872-1962
TOLL FREE FROM KISSIMMEE
931-3422

June 20, 1995

Please refer to this number
when responding 950621-12

Mr. David Lyles
Base Closure Commission
1700 N. Moore Street, Suite 1425
Arlington, VA 22209

VIA FAX TRANSMISSION

Dear David:

Earlier today, I spoke with Chairman Dixon regarding the redirect on the Navy Nuclear Power Training Command (NNPTC) from New London to Charleston. He requested that I submit by this fax to you the data and argument I made to him for redirecting the NNPTC to Orlando (where it is physically located now) instead of Charleston. I believe that he wanted this done for his own personal file reference when the presentations are made. I discussed these matters with Alex Yellin and Eric Lindenbaum.

The one time cost of constructing a new NNPTC in Charleston, according to the Navy, is $147 million. Using the "best Navy figures" (the worst case for my argument on behalf of Orlando), there would be a Net Present Value (NPV) 20 year "savings" of about $125 million. Based on previous contact with your staff who are working on this matter, I believe that they will concur with adjustments to the Navy's figures that will bring the NPV down lower. It doesn't make any sense to put out $147 million up front for an NPV over 20 years of $125 million or less. NNPTC is in a modern facility in Orlando right now. The move to Charleston requires a whole new school complex.

I also pointed out to Chairman Dixon the rule or standard on redirects that assumes cost avoidance in the "redirect" from New London to Charleston. I understand the rationale, but it is a fiction in as much as NNPTC is not in New London (unless the Commission makes a decision I cannot imagine their doing). The $162 million in cost avoidance that is factored into the COBRA runs under the rules of the game would show an immediate savings by making the redirect. However, in real terms the break even or payback year is at least 15 years and more probably 20 years or more (this can readily be seen with the up front cost being $147 million and the NPV over 20 years being $125 million or less.)

Clearly the Navy is doing something that is grossly wasteful and beyond the norm in Base Closure bottom lines. In other words there is substantial deviation from at least criteria 4 and 5.

Thank you for your consideration in this matter, and for placing this data in front of Chairman Dixon.

Sincerely,

BILL McCOLLUM
Member of Congress

DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20350-1000

LT-0770-F15
BSAT/SB
24 May 1995

The Honorable Alan J. Dixon
Chairman, Defense Base Closure
and Realignment Commission
1700 North Moore Street
Suite 1425
Arlington, VA 22209

Dear Chairman Dixon:

The response to the question asked by Mr. Alex Yellin of your staff, on May 19, 1995, concerning the Military Construction costs at New London for the Navy Nuclear Propulsion Training Center, is attached. In accordance with Section 2903(c)(5) of the Defense Base Closure and Realignment Act of 1990, I certify the information provided to you in this transmittal is accurate and complete to the best of my knowledge and belief.

I trust the information provided satisfactorily addresses your concerns. As always, if I can be of any further assistance, please let me know.

Sincerely,

C. P. NEMFAKOS
Vice Chairman,
Base Structure Evaluation Committee

Attachment

RESPONSE TO BCRC QUESTION ON NNPTC REDIRECT TO WEAPONS STATION CHARLESTON

Q1. During investigation of MILCON costs in New London for the NNPTC redirect it was discovered the projected student loads upon which the cost estimates were based were not the same as the figures used in the Charleston estimate. Since the MILCON/rehab costs in New London are a major part of the cost avoidance for the Charleston proposal, request new cost estimate for New London be calculated using the same student and instructor figures used for the Charleston site.

A1. OSD Policy Memorandum One dictates that programmed military construction projects which are eliminated will be counted as savings during the BRAC-95 process. The programmed military construction costs for moving the NNPTC to SUBASE New London are $162.5 million. During deliberative session, the BSEC considered the reduced requirements submitted and certified by NAVSEA. A preliminary estimate revealed that reduced requirements may lower the MILCON costs at New London to $155.2 million, although this reduction might not be reflected in the budget. This review was done to ensure that the both Charleston and New London were considered equally and was documented in the deliberative record. It should be noted the $144.4 million in MILCON at Charleston still compares favorably to New London.

放

DEPARTMENT OF THE NAVY
THE ASSISTANT SECRETARY OF THE NAVY
(INSTALLATIONS AND ENVIRONMENT)
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

7 April 1995

The Honorable Bill McCollum
House of Representatives
Washington, D.C. 20515

Dear Mr. McCollum:

This is to acknowledge receipt of your letter of March 27, 1995, to Secretary Dalton, concerning the Navy Nuclear Power Training Command (NNPTC).

To be as responsive as possible, I am providing answers to 11 of your 31 questions based on certified information in our 1995 Base Structure Data Base. We have issued a separate data call to gather the information necessary to completely and substantively address your remaining questions. I will reply further as soon as possible, but you can expect a final response no later than April 15, 1995.

In the interim, if you require further assistance or have additional information to provide, you may contact LCDR Steve Bertolaccini, who is coordinating the response, at (703)681-0472.

Sincerely,

ROBERT B. PIRIE, JR.

Attachment

REPRESENTATIVE BILL MCCOLLUM'S QUESTIONS
CONCERNING THE NAVY NUCLEAR POWER TRAINING COMMAND

Q12. Please list the total annual projected base operation support costs of the Nuclear Field A School and Nuclear Power School if they were to be relocated to Charleston. To New London.

A12. See answer to question thirteen.

Q13. In the "Report of BSEC Deliberations," dated 19 December 1994, in paragraph 17c, the following statement was made: "Locating at Charleston would keep Orlando closed, result in better facilities for the students, and save $15M per year in BOS and PCS costs over Orlando."

Please explain in detail how the Navy arrived at the cost savings of $15M per year in BOS and PCS costs over Orlando. Furthermore, please compare the BOS and PCS costs associated with the following scenarios: (1) leave Orlando open; (2) move the Nuclear Power School to New London; and (3) move the Nuclear Power School to Charleston. In making these comparisons, please include PCS costs associated with graduates moving from the Nuclear Power School to Ballston Spa and to the fleet or any other locations to which schools graduates are transferred.

A13. The decision from the 1993 round of base realignment and closure to close Naval Training Center (NTC) Orlando resulted in the need to relocate the Naval Nuclear Power Training Command (NNPTC), one of the tenant activities at NTC Orlando. In the 1993 round of base realignment and closure, the Department of the Navy recommended relocating the NNPTC to Submarine Base (SUBASE), New London, to take advantage of facilities made available by another of the Department's recommendations to close the piers at New London. Once the 1993 Base Closure and Realignment Commission overturned our recommendation regarding the piers at New London, the costs to construct new facilities for the NNPTC at New London were significantly increased. As a result, during the 1995 base realignment and closure process, the Department of the Navy's Base Structure Evaluation Committee (BSEC) examined Weapons Station (WPNSTA), Charleston, as an alternative receiving site for the NNPTC, which both reduced up-front construction costs and also resulted in recurring savings associated with eliminating permanent change of station (PCS) costs for follow-on tours at the moored training ships at WPNSTA Charleston.

Cost of Base Realignment Actions (COBRA) algorithms are used to examine costs, savings and return on investment associated with base closure actions. In the case of relocation of NNPTC from New London to Charleston, COBRA algorithms showed a marginal difference in non-payroll base operating support (BOS) costs for the two locations, a one-time cost avoidance of $15 million associated with reduced construction costs at Charleston, and

$6 million in recurring PCS savings. It should be noted that COBRA algorithms focus on changes in costs and savings associated with a realignment or closure action, and consequently do not separately identify all BOS costs at New London. Costs of continued operation of NNPTC at Orlando were not a part of our COBRA analysis, nor were they ever analyzed as a part of the deliberative decision-making process of the BSEC. The NNPTC redirect decision was based solely on the reduced up-front costs and resulting recurring savings associated with operation of NNPTC at Charleston instead of New London.

During the BSEC deliberations of 19 December 1994, once the BSEC had analyzed the return on investment data for the redirect of NNPTC, a reference was made to the fact that an internal Navy analysis (which was not based on certified data, and was not used in the BSEC's evaluation process) had estimated that costs of continued operation of NNPTC at Orlando could be expected to cost at least $21 million per year. The BSEC noted that COBRA algorithms derive an estimate of $11.5 million in base operating support costs for NNPTC at WPNSTA Charleston. This $9.5 million difference in operating costs plus $6.2 million in annual PCS savings equates to over $15 million a year in savings over the purported costs of operation at Orlando. It must be stressed, however, that this statement was made simply as an observation, and that the BSEC's decision regarding NNPTC was based solely on the certified data associated with the analysis of relocation to Charleston instead of New London.

As noted above, BOS costs for the NNPTC at WPNSTA Charleston are estimated at $11.5 million per year. Initial BOS costs estimates for WPNSTA Charleston are artificially high since they were calculated in part based on sophisticated technical activity operating costs (Inservice Emergency Activity) in the Charleston area. While no adjustment was made at the time, the BSEC recognized that these costs in WPNSTA Charleston were overstated in the initial COBRA scenario run and could be improved upon with further evaluation. BOS costs for the NNPTC at SUBASE New London, as estimated by COBRA algorithms, are approximately $10.5 million per year. At your request, even though this data was not used in our analysis, we are obtaining BOS cost estimates for the NNPTC at NTC Orlando, as well as the PCS cost data you requested.

Q16. In the "Report of BSEC Deliberations on 19 December 1994," NNPTC MILCON requirements state that $162.5 million worth of projects would be required to relocate Orlando to New London. These figures do not include MILCON for student parking at New London. I have seen reports that the student parking project, Project Number 500, could cost as much as $17 million. Why was this figure excluded from the chart found in the deliberations of 19 December 1994? If you failed to include them in the estimation of costs to move to New London, have they been excluded from the estimation of costs in moving to Charleston? If not, how does the Navy plan to address the parking needs of

the students attending Nuclear Power School?

A16. The $17 million for the student parking garage is included in Project P-444 which is part of the $162.5 million in military construction (MILCON) at New London. Project P-500, which is Phase II of P-444, is bachelor enlisted quarters (BEQ) construction only and is also included in the $162.5 million. Parking lots for students and staff are included in the $144 million MILCON cost for relocating to Charleston.

Q17. In the "Report of BSEC Deliberations on 19 December 1994," NNPTC MILCON requirements state that $162.5 million worth of projects would be required to relocate Orlando to New London. These figures do not include unitemized additional facilities, equipment, and personnel relocation expenses associated with the relocation to New London. It is my understanding that these unitemized expenses could cost as much as $40 million. Why was this figure excluded from the chart found in the deliberations of 19 December 1994? If you failed to include them in the estimation of costs to move to New London, have they been excluded from the estimation of costs in moving to Charleston?

A17. The costs referred to relate to costs associated with moving personnel and equipment. Our BRAC-95 analysis looked at changes in cost which would occur if NNPTC were relocated to Charleston instead of New London. Moving costs out of Orlando were analyzed in the BRAC-93 COBRA analysis, and were assumed to be roughly equivalent for relocation to Charleston instead of New London. Accordingly, these "unitemized costs" were not considered in the BRAC-95 redirect to Charleston. However, in execution, relocating to Charleston should be less than for New London because of reduced mileage from NTC Orlando.

Q18. I am concerned that the true reason for the development and utilization of the COBRA model has been lost in the detail of the BRAC process. For instance, based on the data that is available to me, the total costs associated with moving Nuclear Power to New London have now increased to at least $225 million. Furthermore, it is my understanding that the recurring annual costs for operation of the Nuclear Power School at New London were approximately $15.7 million, compared to the $21 million associated with leaving the facility in Orlando. With a cost savings of only $5.3 million annually and expenses reaching the $225 million mark, the real return on investment of this project is approximately 42 years -not the 9 years cited in the 1993 BRAC report.

Since the move of the Nuclear Power School has not yet begun, a true analysis and comparison of the costs and savings associated with BRAC 95 actions dictate that the COBRA regarding the move to Charleston not include cost avoidances in New London. This simply masks the true costs associated with any relocation of the Nuclear Power School. As it has been presented, MILCON of $147

million to move Orlando to Charleston will have a return on investment of one year. With a cost savings of only $5.3 million annually, I conclude that the real return on investment is 27 or more years.

In an effort to better understand you accounting methods, can you please explain why the cost avoidance of projects in New London were included in your analysis of the move to Charleston.

A18. The decision from the 1993 round of base realignment and closure to close NTC Orlando and NTC San Diego, was estimated to result in annual savings of $76 million and a return on investment in one year. By law, as part of this decision, we are currently required to move the NNPTC to New London. Since the redirect of NNPTC to Charleston will result in the elimination of construction costs associated with the currently mandated move to New London, it is appropriate to include these cost avoidances in the Charleston scenario.

Q19. The Nuclear Power School in Orlando currently has 320,000 square feet of space for academic use. According to materials in the BRAC library, your plans call for the construction of 243,000 square feet in Charleston for training use. Can you please explain why the Navy plans to decrease this space by nearly 100,000 square feet. What are the current capacities, future requirements, and excesses of the Nuclear Power School facilities located in Orlando. In answering this question, please project future requirements for the next five years, ten years, and twenty years.

A19. By law, we can only consider the force structure in fiscal year (FY) 2001, the last year of the Department of Defense's Future Year Defense Plan. There is no basis under the base realignment and closure process for consideration of future requirements beyond FY 2001. The FY 2001 force structure will be significantly smaller than the current force structure. Accordingly, the amount of training space necessary to satisfy future requirements will be proportionately smaller. The Naval Sea Systems Command (NAVSEA) identified the Navy's FY 2001 NNPTC training facility requirement to be 243,000 square feet. Maintaining excess capacity is a significant cost burden to the Department, since we cannot allow our facilities to fall into disrepair. In our analysis, we have built to meet force structure requirements through FY 2001. If, in the future, circumstances would require an expansion in capability, then we can acquire it. However, we will not maintain excess, unnecessary facilities, and continue to bear the burden of costs for utilities, security, maintenance and repair, etc.

Q20. Based on the COBRA data used to conclude that Nuclear Power School should be redirected to Charleston, $147 million of MILCON money must be spent. Is this the total cost of MILCON at Charleston necessary to house the Nuclear Power School? Does the

cost include all housing needs created by the move to Charleston? Does the proposal to move to Charleston incorporate any facilities at the Naval Air Station, including housing, in Charleston? If so, please list those facilities. Does the proposal call for the renovation or rehabilitation of any existing facilities. If so, please list those facilities and the current host Command. In identifying any of the buildings in these questions, please utilize building numbers.

A20. The $147 million includes the total cost of MILCON at WPNSTA Charleston, including housing. None of the Weapons Station's facilities will be renovated; however, the fire station (building number 783) will be expanded. No facilities at the former Naval Station, Charleston, are included in the proposal.

Q23. If the areas that are being proposed for construction are currently unused parcels, is the area currently served by existing utilities or would utilities need to be provided? What are the estimated costs of providing such utilities to this site? Have these costs been included in the COBRA model?

A23. Utilities for the proposed construction site run adjacent to one side of the property. COBRA algorithms include a 24% mark-up to the construction costs to account for associated utilities.

Q25. It would appear that creating a contonement area for Nuclear Power School in Orlando would generate a great deal of cost savings. Did the Navy run a COBRA on leaving the schools in their current location? If so, please provide my office with those results.

A25. We did not consider any scenarios in which NTC Orlando would be reopened. Accordingly, no such COBRA analysis was conducted.

Q26. Please cite any reasons, including all pertinent data supporting those reasons, regarding the Navy's objections to fully operate the Nuclear Power School in a "contonement" setting in Orlando - other than the "philosophical" objections raised by the BSEC.

A26. The Department of the Navy's approach was not to reopen facilities approved for closure in previous rounds of base realignment and closure.

Q27. Nuclear Power School Orlando represents approximately 10% of the entire land mass of what was once known as the NTC Orlando. The facility has an AOB of 2,653 and a permanent staff of 512 authorized personnel compared to the 15,000 employees of the installation when the base was fully operational.

In an attempt to understand the BSEC objections to save millions of dollars by maintaining the facility in its present location and avoid reconstructing nuclear power school in its entirety elsewhere, please explain how the creation of a "contonement" area around the nuclear school campus is considered the "reopening of a closing base?"

A27. The intent of the base realignment and closure process is to reduce infrastructure by eliminating excess capacity. Complete closure of bases is the most economical way to accomplish this, for only by closure can the overhead and personnel costs incurred to maintain an installation, be totally eliminated and thereby result in savings. Creation of a cantonment area for the nuclear school campus would result in a significant recurring cost burden to the taxpayer to maintain the necessary infrastructure to support the NNPTC, i.e., Public Works, Security, Chapel, Exchange facilities, MWR facilities, and a Family Services Center. This is why we did not support retention of NNPTC on NTC Orlando property.

LT-0665-F13

DEPARTMENT OF THE NAVY
THE ASSISTANT SECRETARY OF THE NAVY
(INSTALLATIONS AND ENVIRONMENT)
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

APR 26 1995

The Honorable Bill McCollum
House of Representatives
Washington, D.C. 20515

Dear Mr. McCollum:

This is in further response to your letter of March 27, 1995, to Secretary Dalton, concerning the Navy Nuclear Power Training Command (NNPTC).

In my letter of April 7, 1995, I provided answers to 11 of your 31 questions. Our answers to the remaining questions are attached; they are based on certified data obtained from the reply to a data call we issued specifically to enable our response to your query. I trust that the information provided satisfactorily addresses your concerns.

As always, if I can be of any further assistance, please let me know.

Sincerely,

R B Pirie Jr

ROBERT B. PIRIE, JR.

Attachment

REPRESENTATIVE BILL MCCOLLUM'S QUESTIONS
CONCERNING THE NAVY NUCLEAR POWER TRAINING COMMAND

Q1. According to the 1995 BRAC Recommendations regarding the Navy Nuclear Power Propulsion Training Center located at the Orlando Naval Training Center, the Department of Defense is requesting a realignment of the school to Naval Weapons Station, Charleston (NWS) to "provide ready access to the moored training ships now at the Weapons Station...."

I have been informed that there is one (1) moored training ship located at NWS with only limited room for training purposes. Please indicate the correct number of moored training ships currently located at NWS Charleston, the number of power school students able to train on the ship at one time, and the AOB currently for the training ship moored at NWS.

A1. There are two Moored Training Ships at the Naval Weapons Station (WPNSTA), Charleston, South Carolina. Historically, each training platform has been able to train about 200-250 students simultaneously; however, this is highly dependent on factors such as maintenance schedules. Each Moored Training Ship currently has about 250 students on board.

Q2. When students graduate from the Nuclear Field "A" School and the Nuclear Power School located in Orlando, please list the classes and/or courses that each graduate is required to attend and specify all possible locations where such follow-on training is taught. Does this curriculum require training on nuclear reactor prototypes?

A2. Nuclear Field "A" School. This School actually comprises three separate schools for enlisted personnel: a Machinist's Mate School, an Electrician's Mate School, and an Electronics Technician School. The Machinist's Mate School has courses in mathematics, basic machinery, and mechanical equipment. The Electrician's Mate School has courses in mathematics, basic electricity, electronics, and electrical equipment. The Electronics Technician School has courses in mathematics, basic electricity, electronics fundamentals, communications equipment fundamentals, digital microprocessor fundamentals, and radar fundamentals. The curricula for the Nuclear Field "A" School do not involve hands-on training on nuclear reactor prototypes. Following the Nuclear Field "A" School, students attend the Nuclear Power School.

Nuclear Power School. Enlisted personnel and officers attend this School. The curriculum for enlisted students has courses in mathematics, physics, heat transfer and fluid flow, reactor plant systems, reactor principles, chemistry, materials, radiological fundamentals, and mechanical and electrical theory. With the exception of mechanical and electrical theory, the curriculum for officers has courses in the same subjects as for enlisted personnel, and courses in electrical engineering, core

characteristics, and the aspects of reactor plant operations. The curricula for the Nuclear Power School do not involve hands-on training on nuclear reactor prototypes. All graduates of the Nuclear Power School, enlisted and officer, receive follow-on training at either a Moored Training Ship at WPNSTA Charleston or at a prototype in Ballston Spa, New York, the only locations where facilities to support this training exist.

Q3. It is my understanding that graduates of the Nuclear Power School engage in follow-on training to gain hands-on experience with "prototype nuclear reactors in either Charleston (if they are submariners) or Ballston Spa, New York (if they are surface fleet). Is this true?

A3. Graduates of the Nuclear Power School may be trained at any Moored Training Ship or prototype regardless of whether their ultimate assignment in the fleet will be a submarine or a surface ship.

Q4. For all training locations where Nuclear Power Students are transferred immediately from Orlando, other than Charleston or Ballston Spa, please list the location and the type of training taught at each location.

A4. All graduates of the Nuclear Power School are only sent to either WPNSTA Charleston or Ballston Spa.

Q5. Please list the actual number of graduates in 1992, 1993, 1994 and 1995 (projected) that graduated or will graduate from Orlando and transferred or will transfer directly to Charleston, Ballston Spa and any additional locations for follow-on training. In addition, please list the permanent change of station costs associated with relocating each student to each location used for the next level of training.

A5. The following are historical and projected numbers of graduates of the Nuclear Power School at the Naval Training Center (NTC), Orlando, Florida, by fiscal year:

1992	1993	1994	1995
2,786	2,572	1,888	2,178

Presented below are typical permanent change of station (PCS) costs for graduates of the Nuclear Power School at NTC Orlando to follow-on training:

Destination	Enlisted PCS Costs			Officer PCS Costs		
	Pay-grade	Without Dependents	With Dependents	Pay-grade	Without Dependents	With Dependents
WPNSTA Charleston	E-4	$228	$2,213	O-1	$1,260	$3,176
Ballston Spa	E-4	$507	$3,371	O-1	$1,955	$5,007

Note: The PCS costs cited above were taken from Department of the Navy Bureau of Personnel's Enlisted and Officer Cost Tables and are preliminary cost estimates used when writing PCS orders.

Q6. Please describe in detail each of the "prototype nuclear reactors" located in Charleston and Ballston Spa (and any other locations where Orlando graduates train). For each, please supply the age of the prototype, the date it was installed at the facility, and the number of prototypes located at each facility.

A6. As mentioned earlier, all graduates of the Nuclear Power School are sent only to either WPNSTA Charleston or Ballston Spa. Each site operates two nuclear propulsion plants for training.

WPNSTA Charleston. Students at WPNSTA Charleston train on either Moored Training Ship 635 or 626. The Moored Training Ships are the former S5W submarines USS SAM RAYBURN (SSBN 635) and USS DANIEL WEBSTER (SSBN 626). The USS SAM RAYBURN and the USS DANIEL WEBSTER were commissioned in 1964. Each ship was converted for training use by removing the missile compartment and reconfiguring the forward end of the submarine to accommodate support systems. Moored Training Ship 635 began operations in WPNSTA Charleston in 1989, Moored Training Ship 626, in 1993.

Ballston Spa. Students at Ballston Spa train at either the Modified Advanced Reactor Facility (MARF) or S8G prototype. The MARF started operations in 1976 and was designed to test various types of prototypical equipment although the plant as a whole is not prototypical of any single ship design. The S8G prototype began operation in 1978 and is the propulsion plant prototype for TRIDENT Class submarines.

Q7. For each of the "prototype nuclear reactors" listed in question three, what is its useful life in years? How has this useful life been determined?

A7. The MARF and S8G prototypes are each considered to have a useful service life of about 50 years. The Moored Training Ships are each considered to have a 25 year post-conversion service life because part of their life was expended as an SSBN. Service life is based on ongoing engineering analysis of major plant components.

Q8. What was the AOB number of students trained in each of the last three years at the Nuclear Field A School and the Nuclear Power School? What is the average length of study for Nuclear Field A School? For Nuclear Power School?

A8. Presented below are the NNPTC student Average On Board (AOB) figures for the last three complete fiscal years:

School	Average On Board (AOB)		
	FY 1992	FY 1993	FY 1994
Nuclear Field "A" School	1,331	1,165	982
Nuclear Power School	1,783	1,617	1,140

Presented below are the program lengths for curricula taught at the NNPTC:

School	Program	Length (Calendar Days)
Nuclear Field "A" School	Machinist's Mate School	91 days
	Electrician's Mate School	112 days
	Electronics Technician School	196 days
Nuclear Power School	[redacted]	168 days

Q9. Do all students that graduate from Nuclear Field A School and/or Nuclear Power School receive some training on the prototypes located at Charleston or Ballston Spa? What is the average length of study for this "hands-on" training? If students graduate from Orlando and do not train on these prototypes, what other training do they obtain before going to the fleet?

A9. As mentioned earlier, all graduates of the Nuclear Power School receive follow-on training on a Moored Training Ship at WPNSTA Charleston or prototype at Ballston Spa. The length of this training at each site is 182 calendar days.

Q10. What is the maximum number of students who at present can be trained annually at Nuclear Field A School and the Nuclear Power School without any additional construction, alteration, repair, or maintenance at existing facilities in Orlando?

A10. The maximum number of enlisted students that could be input into the nuclear power training pipeline at NTC Orlando, is about 2,700 annually; the limiting factor is Bachelor Enlisted Quarters (BEQ) availability. The maximum number of officer students that could be trained annually at the Nuclear Power School is about 850; because officer students reside off-base, BOQ availability is not a limiting factor.

Q11. Please list the total base operation support costs of the Nuclear Field A School and the Nuclear Power School in 1992, 1993, and 1994. Please estimate the BOS costs if the schools were to remain in their current locations and the NTC Orlando closes on schedule. Please estimate any one-time costs that would be necessary should the schools remain in their current location.

A11. Base operating support (BOS) costs for the NNPTC at NTC Orlando, for fiscal years 1992, 1993, and 1994, cannot be provided because NTC base records do not identify support provided on a school-by-school basis. Total recurring annual costs to operate only these two schools after NTC Orlando closes have been estimated to be $19.3 million. The one-time costs required, should NNPTC remain in Orlando, include: a maintenance and repair backlog that totals nearly $8 million, $25.7 million in BEQ upgrades and new construction, and $165 thousand programmed to move the fence line to enclose only those facilities in direct support of the NNPTC and construct a gate house.

Q14. Please explain the difference between the squadbay-type BEQs located in Orlando and the new Navy-standard BEQs.

A14. Two types of BEQs are currently used to house Nuclear Field "A" School students and enlisted students at the Nuclear Power School:

a. Welton-Beckett design consisting of a common entrance/ living area shared by four two- or three-person rooms of 255 net square feet each, with individual baths.

b. Semi-open bay, designed to house 60 persons per bay, partitioned into cubicles with 4 persons per cubicle, 72 net square feet per person, with a central head. These BEQs are used primarily for Nuclear Field "A" School students.

c. Module type BEQ's consisting of rooms with 288 net square feet each with separate bath, housing two or three personnel depending on "A" school loading.

The new April 1995 Navy standard consists of a 66 gross square meter module with:

a. Two 118 net square feet (11 net square meters) living/sleeping rooms (one per person);

b. Two closets (one per person) with 21 net square feet (2 net square meters) each;

c. Shared bath and kitchenette; and

d. Interior module circulation.

Q15. It is my understanding that a "bunk reduction" project is in progress in Orlando to increase the habitability of nuclear power students to ninety square feet per occupant. This project would reduce the number of barracks in Orlando from 3,008 to 2,800. Once this project is completed, will the facilities in Orlando meet the new Navy-standard for BEQs? If not, why. What else could be done to rehabilitate these facilities to comply with the new Navy-standard for BEQs? What would be the total cost to rehabilitate these facilities?

A15. In April 1995, CNO approved new BEQ standards for the Navy. To keep our analysis consistent, the calculations and information provided below is based on the same standards that were in effect during the DON BRAC 95 process. The BEQs at NTC Orlando can continue to be improved by converting three person rooms to two person rooms where this is practical. To upgrade the Orlando BEQs to comply fully with new construction standards may not be cost effective and building new barracks would cost $81.5 million. The semi-open bay, Welton-Beckett, and rectangular room configurations could be remodeled to provide approximate space to meet occupancy standards. Remaining requirements would be met through new construction. The following table shows how this action could be effected (NOTE: Costs would be higher with the April 1995 standards):

BEQ Type	# PN	SF	Cost ($000)
Semi-open Bay	264	66,064 gsf	4,617
Welton-Beckett	1,324	168,810 nsf	6,390
Rectangular	552	78,384 nsf	2,967
New Construction	360	95,940 gsf	11,715
		TOTAL COST:	25,689

The new construction requirement has been reduced to ensure the same AOB will be supported at both Charleston and Orlando. Using the COBRA rehabilitation factor, semi-open bay BEQs can be converted for about 75% of construction cost. Rectangular and Welton-Beckett conversions include constructing four partitions and two closets, two electrical circuits, and counter top with refrigerator and microwave. No structural or circulation changes will be made to the buildings.

Q21. It is my understanding that the property located around the proposed new site for the Nuclear Power School is closely located to the weapons storage area at Naval Weapons Station Charleston. Is my understanding correct? Please provide a map of the current facilities at NWS Charleston and the proposed location of the Nuclear Power School. How close can the Navy build facilities to the existing NWS without creating a hazard?

A21. Refer to the attached map (page 10). The proposed new site for the NNPTC (within the area highlighted in yellow) is outside of weapons explosion arcs adjacent to a base housing area. Locations inside the weapons explosion arcs will not be considered.

Q22. Please provide the Explosive Safety Quantity Distances (ESQD) for any proposed MILCON and potential explosive sources. Will all of the new construction afford an acceptable degree of protection and safety for inhabitants and students?

A22. See response to question 21.

Q24. Where will NWS obtain utilities to support the Nuclear Power School - from Navy-owned plants or from the local government sector? Does the NWS have sufficient capacity in electrical, water, sewer, gas and telephone to accommodate the Nuclear Power School? What is the current usage, current excess capacity, and the anticipated usage once the schools are transferred to Charleston?

A24. Water, sewer, natural gas, and electricity for support of the schools will be obtained from the local government sector. How telephone service will be provided to the schools has not yet been decided. WPNSTA Charleston has sufficient utility capacity to support the schools. Usage for water varies by season and base operational tempo; the usage from mid-February to mid-March 1995 was about 53,000 gallons. Sewer usage is about 1.2 million gallons per day. Natural gas usage is about 1.8 decatherms per month. Electricity usage is about 16,000 KW per month. Increased utility usage if the schools are transferred to WPNSTA Charleston is expected to be within the capacity of the utility systems.

Q28. NAVFACINST 11010.44E (Shore Facilities Planning Manual) requires NAVSEASYSCOM to review the proposed location of all

projects encumbered by ammunition and explosives and provide review comments to the CNO. Does this instruction apply to the relocation of this facility? If so, have review comments been provided to the CNO? If so, please provide a copy of these comments, and if not, please specify when these comments are expected to be provided to the CNO.

A28. NAVFACINST 11010.44E does apply to the relocation to WPNSTA Charleston. Naval Sea Systems Command review comments on the relocation have not yet been provided to the Chief of Naval Operations. The Naval Facilities Southern Division is developing facilities documents based on training requirements provided by NAVSEASYSCOM and in accordance with NAVFACINST 11010.44E. NAVSEASYSCOM will have the opportunity to comment on the relocation when the documents are completed.

Q29. Furthermore, the same instruction as noted in the previous question requires the SPAWARSYSCOM to certify the electromagnetic radiation safety of facilities. Since the Nuclear Power School currently uses rooftop mounted radar antenna, will such a certification be made to ensure that the Nuclear School training does not interfere with the mission or safety of NWS Charleston? If not, why? If so, please provide a copy of this certification.

A29. All applicable certifications for the rooftop mounted radars will be obtained for the WPNSTA Charleston site. The radars are safe for both personnel and the most sensitive ordinance after a distance of only 22 feet, so interference with mission accomplishment is not expected.

Q30. How much money has been spent to date to perform site planning and preliminary design work at New London for the relocation of Nuclear Power School Orlando? How much of this work product could be recouped by adapting these designs for Charleston?

A30. Planning and design work for the relocation of the Nuclear Field "A" School and the Nuclear Power School to Submarine Base (SUBASE) New London, Connecticut, will be stopped at the earliest opportunity consistent with good business judgment and the requirements of the base closure process. It is anticipated that about $10.3 million will have been spent on this effort. Little, if any, of the design effort for the Schools' relocation to SUBASE New London will be adaptable to WPNSTA Charleston because the existing buildings at New London are planned for refurbishment, the academic buildings for Charleston would be new construction. Also, site conditions differ considerably between the two locations. For example, the site in New London is a rocky river valley, whereas the site in Charleston is flat and soft, which requires a different type of foundation.

Q31. Is there sufficient housing on base or in the community for

Nuclear Power School students and faculty in the Charleston community? In the New London community? Please list your sources and the data utilized to arrive at this conclusion.

A31. Regardless of NNPTC receiving site location, WPNSTA Charleston or SUBASE New London, BEQs for enlisted students of the Nuclear Field "A" School and Nuclear Power School will have to be constructed. Officer students can live off-base at both locations as is currently done in Orlando.

Based on information provided by the base housing office in Charleston, they will have an excess of approximately 800 units upon closure of Naval Station Charleston. Historically, approximately 75% of the enlisted staff and 10% of the enlisted students are married and require family type housing. This is approximately 380 staff and 220 students (total 600) requiring housing. Because this is only about three-fourths of the projected excess, the WPNSTA Charleston housing office feels confident in their ability to house all NNPTC staff and students who desire family housing. Base housing for married students would most likely not be available in New London. Married students not living in base housing can live off base in both locations. Some lesser amount of base housing for school staff would likely be available in New London.

This assessment was made based on information provided by base housing offices at both New London and Charleston.

MEMORANDUM FOR THE ASSISTANT SECRETARY OF THE NAVY
(INSTALLATIONS AND ENVIRONMENT)

FROM: BASE STRUCTURE EVALUATION COMMITTEE (BSEC)
Prepared by: LCDR S. Bertolaccini, CEC, USN; BSAT; (703)681-0472

SUBJECT: BRAC-95 ACTIONS - NAVAL NUCLEAR POWER SCHOOL AND NUCLEAR FIELD "A" SCHOOL (NUCLEAR POWER SCHOOL) - ACTION MEMORANDUM

PURPOSE: Reply to 27 Mar 95 letter from Representative Bill McCollum (R-FL, 8th) to SecNav (DCN: (95U128040758).

DISCUSSION: Representative McCollum forwarded 31 questions concerning the NNPTC. He requested final response by 15 Apr 95.

ASN(I&E) provided Representative McCollum an interim response dated 7 Apr 95, that answered 11 of his questions based on certified data already in the Base Structure Data Base.

A separate data call was issued to gather additional information required to respond to the remaining 20 questions.

A proposed final reply to Representative McCollum's letter is provided at Tab A.

COORDINATION:

RECOMMENDATION: Sign the letter at Tab A.

_____ Approved by Mr. C.P. Nemfakos; date: _____

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION BRIC

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950609-6

FROM: Blumenthal, Richard	TO: Dixon
TITLE: Attorney General	TITLE: Chairman
ORGANIZATION: State of Connecticut	ORGANIZATION: DBCRC
INSTALLATION (s) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR./CONGRESSIONAL LIAISON		(✓)		COMMISSIONER STEELE	✓		
DIR./COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER		X	
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

(✓)	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
	ACTION: Offer Comments and/or Suggestions		FYI

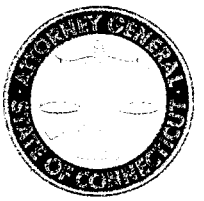
Subject/Remarks:

Concerned about DBCRC recommendation to reversing DBCRC '93 decision to move Nuclear Power School.

Date:	Routing Date:	Date Originated:	Mail Date:
950612	950609	950608	

State of Connecticut

RICHARD BLUMENTHAL
ATTORNEY GENERAL



Hartford

950609-6

June 8, 1995

The Honorable Alan J. Dixon
Chairman
Defense Base Closure and Realignment Commission
1700 North Moore Street
Suite 1425
Arlington, VA 22209

Re: Naval Nuclear Training Command

Dear Chairman Dixon:

I have received information that staff members of the Defense Base Closure and Realignment Commission ("BRAC") are in process of developing comparisons between the costs of reversing the 1993 BRAC decision -- leaving the Navy's Nuclear Power School and its Nuclear "A" School in Orlando -- versus moving the schools to NBS, New London, as approved by BRAC 93, or to Charleston, as recommended by the Secretary of Defense this year.

Before the Commission seriously considers a recommendation that the above schools remain in Orlando, I respectfully urge it to take note of the statutory procedural requirements that should be followed when adding a military installation to the Commission's list. Since BRAC 93 provided that the schools move to NSB New London, and since the Secretary this year did not recommend that the schools stay in Orlando, a BRAC recommendation that the schools stay in Orlando would constitute, in my view, the addition of an installation to a list recommended by the Secretary for either closure or realignment.

If such is the case, the Commission would be well advised to take note of Section 2903(d)(2)(C)(iii) of Public Law 101-510 as amended by Public Law 103-160, which requires the publication of a notice of the proposed change in the Federal Register of any change by the Commission in a recommendation of the Secretary, that fits the category of the changes decribed in Section 2903(d)(2)(D), 45 days before BRAC transmits its recommendation to the President.

Section 2903(d)(2)(C)(iv) also requires a public hearing on any proposed change as defined above. As you are aware, subparagraph (d)(2)(A) of Section 2903 requires the Commission to submit its recommendation to the President by July 1st. It would therefore appear too late to make any change in the Commission's recommendations that would be considered a change as described in Section 2903(d)(2)(D). Those changes described in subparagraph (D) are as follows:

> (i) add a military installation to the list of military installations recommended by the Secretary for closure;
>
> (ii) add a military installation to the list of military installations recommended by the Secretary for realignment; or
>
> (iii) increase the extent of a realignment of a particular military installation recommended by the Secretary.

In short, I believe that a BRAC recommendation to reverse the BRAC 93 decision to move the Nuclear Power School and the Nuclear "A" School from Orlando would raise grave questions as to whether the procedural requirements of the Defense Base Closure and Realignment Act have been followed.

I appreciate your considering these concerns, as you and the Commission continue your very important and challenging work.

Very truly yours,

RICHARD BLUMENTHAL

pc: All BRAC Members

BILL McCOLLUM
8TH DISTRICT, FLORIDA

CHAIRMAN
SUBCOMMITTEE ON CRIME

COMMITTEE ON
JUDICIARY

COMMITTEE ON
BANKING AND FINANCIAL SERVICES

SELECT COMMITTEE ON INTELLIGENCE

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931–3422

March 27, 1995

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JOHN M. ARIALE

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Eric-

Attached please find the questions and answers I mentioned during my visit. Thanks for your time, I'll call next week when I have some final COBRA materials for you to review.

Again, thanks for your time!

John

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3. It is my understanding that graduates of the Nuclear Power School engage in follow-on training to gain hands-on experience with "prototype" nuclear reactors in either Charleston (if they are submariners) or Ballston Spa, New York (if they are surface fleet). Is this true?

4. For all training locations where Nuclear Power Students are transferred immediately from Orlando, other than Charleston or Ballston Spa, please list the location and the type of training taught at each location.

5. Please list the actual number of graduates in 1992, 1993, 1994 and 1995 (projected) that graduated or will graduate from Orlando and transferred or will transfer directly to Charleston, Ballston Spa and any additional locations for follow-on training. In addition, please list the permanent change of station costs associated with relocating each student to each location used for the next level of training.

6. Please describe in detail each of the "prototype nuclear reactors" located in Charleston and Ballston Spa (and any other locations where Orlando graduates train). For each, please supply the age of the prototype, the date it was installed at the facility, and the number of prototypes located at each facility.

7. For each of the "prototype nuclear reactors" listed in question three, what is its useful life in years? How has this useful life been determined?

8. What was the AOB number of students trained in each of the last three years at the Nuclear Field A School and the Nuclear Power School? What is the average length of study for Nuclear Field A School? For Nuclear Power School?

9. Do all students that graduate from Nuclear Field A School and/or Nuclear Power School receive some training on the prototypes located at Charleston or Ballston Spa? What is the average length of study for this "hands-on" training? If students graduate from Orlando and do not train on these prototypes, what other training do they obtain before going to the fleet?

10. What is the maximum number of students who at present can be trained annually at Nuclear Field A School and the Nuclear Power School without any additional construction, alteration, repair, or maintenance at existing facilities in Orlando?

11. Please list the total base operation support costs of the Nuclear Field A School and the Nuclear Power School in 1992, 1993, and 1994. Please estimate the BOS costs if the schools were to remain in their current locations and the NTC Orlando closes on schedule. Please estimate any one-time costs that would be necessary should the schools remain in their current location.

12. Please list the total annual projected base operation support costs of the Nuclear Field A School and the Nuclear Power School if they were to be relocated to Charleston. To New London.

13. In the "Report of BSEC Deliberations," dated 19 December 1994, in paragraph 17c, the following statement was made: "Locating at Charleston would keep Orlando closed, result in better facilities for the students, and save $15M per year in BOS and PCS costs over Orlando."

    Please explain in detail how the Navy arrived at the cost savings of $15M per year in BOS and PCS costs over Orlando. Furthermore, please compare the BOS and PCS costs associated with the following scenarios: (1) leave Orlando open; (2) move the Nuclear Power School to New London; and (3) move the Nuclear Power School to Charleston. In making these comparisons, please include PCS costs associated with graduates moving from the Nuclear Power School to Ballston Spa and to the fleet or any other locations to which schools graduates are transferred.

14. Please explain the difference between the squad-bay type BEQs located in Orlando and the new Navy-standard BEQs.

15. It is my understanding that a "bunk reduction" project is in progress in Orlando to increase the habitability of nuclear power students to ninety square feet per occupant. This project would reduce the number of barracks in Orlando from 3,008 to 2,800. Once this project is completed, will the facilities in Orlando meet the new Navy-standard for BEQs? If not, why. What else could be done to rehabilitate these facilities to comply with the new Navy-standard for BEQs? What would be the total cost to rehabilitate these facilities?

16. In the "Report of BSEC Deliberations on 19 December 1994," NNPTC MILCON requirements state that $162.5 million worth of projects would be required to relocate Orlando to New London. These figures do not include MILCON for student parking at New London. I have seen reports that the student parking project, Project Number 500, could cost as much as $17 million. Why was this figure excluded from the chart found in the deliberations of 19 December 1994? If you failed to include them in the estimation of costs to move to New London, have they been excluded from the estimation of costs in moving to Charleston? If not, how does the Navy plan to address the parking needs of the students attending Nuclear Power School?

17. In the "Report of BSEC Deliberations on 19 December 1994," NNPTC MILCON requirements state that $162.5 million worth of projects would be required to relocate Orlando to New London. These figures do not include unitemized additional facilities, equipment, and personnel relocation expenses associated with the relocation to New London. It is my understanding that these unitemized expenses could cost as much as $40 million. Why was this figure excluded from the chart found in the deliberations of 19 December 1994? If you failed to include them in the estimation of costs to move to New London, have they been excluded from the estimation of costs in moving to Charleston?

18. I am concerned that the true reason for the development and utilization of the COBRA model has been lost in the detail of the BRAC process. For instance, based on the data that is available to me, the total costs associated with moving Nuclear Power to New London have now increased to at least $225 million. Furthermore, it is my understanding that the recurring annual costs for operation of the Nuclear Power School at New London were approximately $15.7 million, compared to the $21 million associated with leaving the facility in Orlando. With a cost savings of only $5.3 million annually and expenses reaching the $225 million mark, the real return on investment of this project is approximately 42 years -not the 9 years cited in the 1993 BRAC report.

    Since the move of the Nuclear Power School has not yet begun, a true analysis and comparison of the costs and savings associated with BRAC 95 actions dictate that the COBRA regarding the move to Charleston not include cost avoidances in New London. This simply masks the true costs associated with any relocation of the Nuclear Power School. As it has been presented, MILCON of $147 million to move Orlando to Charleston will have a return on investment of one year. With a cost savings of only $5.3 million annually, I conclude that the real return on investment is 27 or more years.

    In an effort to better understand your accounting methods, can you please explain why the cost avoidance of projects in New London were included in your analysis of the move to Charleston.

19. The Nuclear Power School in Orlando currently has 320,000 square feet of space for academic use. According to materials in the BRAC library, your plans call for the construction of 243,000 square feet in Charleston for training use. Can you please explain why the Navy plans to decrease this space by nearly 100,000 square feet. What are the current capacities, future requirements, and excesses of the Nuclear Power School facilities located in Orlando. In answering this question, please project future requirements for the next five years, ten years, and twenty years.

20. Based on the COBRA data used to conclude that Nuclear Power School should be redirected to Charleston, $147 million of MILCON money must be spent. Is this the total cost of MILCON at Charleston necessary to house the Nuclear Power School? Does the cost include all housing needs created by the move to Charleston? Does the proposal to move to Charleston incorporate any facilities at the Naval Air Station, including housing, in Charleston? If so, please list those facilities. Does the proposal call for the renovation or rehabilitation of any existing facilities. If so, please list those facilities and the current host Command. In identifying any of the buildings in these questions, please utilize building numbers.

21. It is my understanding that the property located around the proposed new site for the Nuclear Power School is closely located to the weapons storage area at Naval Weapons Station Charleston. Is my understanding correct? Please provide a map

21. (continued) of the current facilities at NWS Charleston and the proposed location of the Nuclear Power School. How close can the Navy build facilities to the existing NWS without creating a hazard?

22. Please provide the Explosive Safety Quantity Distances (ESQD) for any proposed MILCON and potential explosive sources. Will all of the new construction afford an acceptable degree of protection and safety for inhabitants and students?

23. If the areas that are being proposed for construction are currently unused parcels, is the area currently served by existing utilities or would utilities need to be provided? What are the estimated costs of providing such utilities to this site? Have these costs been included in the COBRA model?

24. Where will NWS obtain utilities to support the Nuclear Power School - from Navy-owned plants or from the local government sector? Does the NWS have sufficient capacity in electrical, water, sewer, gas and telephone to accommodate the Nuclear Power School? What is the current usage, current excess capacity, and the anticipated usage once the schools are transferred to Charleston?

25. It would appear that creating a contonement area for Nuclear Power School in Orlando would generate a great deal of cost savings. Did the Navy run a COBRA on leaving the schools in their current location? If so, please provide my office with those results.

26. Please cite any reasons, including all pertinent data supporting those reasons, regarding the Navy's objections to fully operate the Nuclear Power School in a "contonement" setting in Orlando - other than the "philosophical" objections raised by the BSEC.

27. Nuclear Power School Orlando represents approximately 10% of the entire land mass of what was once known as the NTC Orlando. The facility has an AOB of 2,653 and a permanent staff of 512 authorized personnel compared to the 15,000 employees of the installation when the base was fully operational.

    In an attempt to understand the BSEC objections to save millions of dollars by maintaining the facility in its present location and avoid reconstructing nuclear power school in its entirety elsewhere, please explain how the creation of a "contonement" area around the nuclear school campus is considered the "reopening of a closing base?"

28. NAVFACINST 11010.44E (Shore Facilities Planning Manual) requires NAVSEASYSCOM to review the proposed location of all projects encumbered by ammunition and explosives and provide review comments to the CNO. Does this instruction apply to the relocation of this facility? If so, have review comments been provided to the CNO? If so, please provide a copy of these comments, and if not, please specify when these comments are expected to be provided to the CNO.

29. Furthermore, the same instruction as noted in the previous question requires the SPAWARSYSCOM to certify the electromagnetic radiation safety of facilities. Since the Nuclear Power School currently uses rooftop mounted radar antenna, will such a certification be made to ensure that the Nuclear School training does not interfere with the mission or safety of NWS Charleston? If not, why? If so, please provide a copy of this certification.

30. How much money has been spent to date to perform site planning and preliminary design work at New London for the relocation of Nuclear Power School Orlando? How much of this work product could be recouped by adapting these designs for Charleston?

31. Is there sufficient housing on base or in the community for Nuclear Power School students and faculty in the Charleston community? In the New London community? Please list your sources and the data utilized to arrive at this conclusion.

Your prompt response and attention to these questions will be greatly appreciated.

Sincerely,

BILL McCOLLUM
Member of Congress

BMcC:jma

DEPARTMENT OF THE NAVY
THE ASSISTANT SECRETARY OF THE NAVY
(INSTALLATIONS AND ENVIRONMENT)
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

7 April 1995

The Honorable Bill McCollum
House of Representatives
Washington, D.C. 20515

Dear Mr. McCollum:

This is to acknowledge receipt of your letter of March 27, 1995, to Secretary Dalton, concerning the Navy Nuclear Power Training Command (NNPTC).

To be as responsive as possible, I am providing answers to 11 of your 31 questions based on certified information in our 1995 Base Structure Data Base. We have issued a separate data call to gather the information necessary to completely and substantively address your remaining questions. I will reply further as soon as possible, but you can expect a final response no later than April 15, 1995.

In the interim, if you require further assistance or have additional information to provide, you may contact LCDR Steve Bertolaccini, who is coordinating the response, at (703)681-0472.

Sincerely,

ROBERT B. PIRIE, JR.

Attachment

REPRESENTATIVE BILL MCCOLLUM'S QUESTIONS
CONCERNING THE NAVY NUCLEAR POWER TRAINING COMMAND

Q12. Please list the total annual projected base operation support costs of the Nuclear Field A School and Nuclear Power School if they were to be relocated to Charleston. To New London.

A12. See answer to question thirteen.

Q13. In the "Report of BSEC Deliberations," dated 19 December 1994, in paragraph 17c, the following statement was made: "Locating at Charleston would keep Orlando closed, result in better facilities for the students, and save $15M per year in BOS and PCS costs over Orlando."

Please explain in detail how the Navy arrived at the cost savings of $15M per year in BOS and PCS costs over Orlando. Furthermore, please compare the BOS and PCS costs associated with the following scenarios: (1) leave Orlando open; (2) move the Nuclear Power School to New London; and (3) move the Nuclear Power School to Charleston. In making these comparisons, please include PCS costs associated with graduates moving from the Nuclear Power School to Ballston Spa and to the fleet or any other locations to which schools graduates are transferred.

A13. The decision from the 1993 round of base realignment and closure to close Naval Training Center (NTC) Orlando resulted in the need to relocate the Naval Nuclear Power Training Command (NNPTC), one of the tenant activities at NTC Orlando. In the 1993 round of base realignment and closure, the Department of the Navy recommended relocating the NNPTC to Submarine Base (SUBASE), New London, to take advantage of facilities made available by another of the Department's recommendations to close the piers at New London. Once the 1993 Base Closure and Realignment Commission overturned our recommendation regarding the piers at New London, the costs to construct new facilities for the NNPTC at New London were significantly increased. As a result, during the 1995 base realignment and closure process, the Department of the Navy's Base Structure Evaluation Committee (BSEC) examined Weapons Station (WPNSTA), Charleston, as an alternative receiving site for the NNPTC, which both reduced up-front construction costs and also resulted in recurring savings associated with eliminating permanent change of station (PCS) costs for follow-on tours at the moored training ships at WPNSTA Charleston.

Cost of Base Realignment Actions (COBRA) algorithms are used to examine costs, savings and return on investment associated with base closure actions. In the case of relocation of NNPTC from New London to Charleston, COBRA algorithms showed a marginal difference in non-payroll base operating support (BOS) costs for the two locations, a one-time cost avoidance of $15 million associated with reduced construction costs at Charleston, and

$6 million in recurring PCS savings. It should be noted that COBRA algorithms focus on changes in costs and savings associated with a realignment or closure action, and consequently do not separately identify all BOS costs at New London. Costs of continued operation of NNPTC at Orlando were not a part of our COBRA analysis, nor were they ever analyzed as a part of the deliberative decision-making process of the BSEC. The NNPTC redirect decision was based solely on the reduced up-front costs and resulting recurring savings associated with operation of NNPTC at Charleston instead of New London.

During the BSEC deliberations of 19 December 1994, once the BSEC had analyzed the return on investment data for the redirect of NNPTC, a reference was made to the fact that an internal Navy analysis (which was not based on certified data, and was not used in the BSEC's evaluation process) had estimated that costs of continued operation of NNPTC at Orlando could be expected to cost at least $21 million per year. The BSEC noted that COBRA algorithms derive an estimate of $11.5 million in base operating support costs for NNPTC at WPNSTA Charleston. This $9.5 million difference in operating costs plus $6.2 million in annual PCS savings equates to over $15 million a year in savings over the purported costs of operation at Orlando. It must be stressed, however, that this statement was made simply as an observation, and that the BSEC's decision regarding NNPTC was based solely on the certified data associated with the analysis of relocation to Charleston instead of New London.

As noted above, BOS costs for the NNPTC at WPNSTA Charleston are estimated at $11.5 million per year. Initial BOS costs estimates for WPNSTA Charleston are artificially high since they were calculated in part based on sophisticated technical activity operating costs (Inservice Emergency Activity) in the Charleston area. While no adjustment was made at the time, the BSEC recognized that these costs in WPNSTA Charleston were overstated in the initial COBRA scenario run and could be improved upon with further evaluation. BOS costs for the NNPTC at SUBASE New London, as estimated by COBRA algorithms, are approximately $10.5 million per year. At your request, even though this data was not used in our analysis, we are obtaining BOS cost estimates for the NNPTC at NTC Orlando, as well as the PCS cost data you requested.

Q16. In the "Report of BSEC Deliberations on 19 December 1994," NNPTC MILCON requirements state that $162.5 million worth of projects would be required to relocate Orlando to New London. These figures do not include MILCON for student parking at New London. I have seen reports that the student parking project, Project Number 500, could cost as much as $17 million. Why was this figure excluded from the chart found in the deliberations of 19 December 1994? If you failed to include them in the estimation of costs to move to New London, have they been excluded from the estimation of costs in moving to Charleston? If not, how does the Navy plan to address the parking needs of

APR 13

the students attending Nuclear Power School?

A16. The $17 million for the student parking garage is included in Project P-444 which is part of the $162.5 million in military construction (MILCON) at New London. Project P-500, which is Phase II of P-444, is bachelor enlisted quarters (BEQ) construction only and is also included in the $162.5 million. Parking lots for students and staff are included in the $144 million MILCON cost for relocating to Charleston.

Q17. In the "Report of BSEC Deliberations on 19 December 1994," NNPTC MILCON requirements state that $162.5 million worth of projects would be required to relocate Orlando to New London. These figures do not include unitemized additional facilities, equipment, and personnel relocation expenses associated with the relocation to New London. It is my understanding that these unitemized expenses could cost as much as $40 million. Why was this figure excluded from the chart found in the deliberations of 19 December 1994? If you failed to include them in the estimation of costs to move to New London, have they been excluded from the estimation of costs in moving to Charleston?

A17. The costs referred to relate to costs associated with moving personnel and equipment. Our BRAC-95 analysis looked at changes in cost which would occur if NNPTC were relocated to Charleston instead of New London. Moving costs out of Orlando were analyzed in the BRAC-93 COBRA analysis, and were assumed to be roughly equivalent for relocation to Charleston instead of New London. Accordingly, these "unitemized costs" were not considered in the BRAC-95 redirect to Charleston. However, in execution, relocating to Charleston should be less than for New London because of reduced mileage from NTC Orlando.

Q18. I am concerned that the true reason for the development and utilization of the COBRA model has been lost in the detail of the BRAC process. For instance, based on the data that is available to me, the total costs associated with moving Nuclear Power to New London have now increased to at least $225 million. Furthermore, it is my understanding that the recurring annual costs for operation of the Nuclear Power School at New London were approximately $15.7 million, compared to the $21 million associated with leaving the facility in Orlando. With a cost savings of only $5.3 million annually and expenses reaching the $225 million mark, the real return on investment of this project is approximately 42 years -not the 9 years cited in the 1993 BRAC report.

Since the move of the Nuclear Power School has not yet begun, a true analysis and comparison of the costs and savings associated with BRAC 95 actions dictate that the COBRA regarding the move to Charleston not include cost avoidances in New London. This simply masks the true costs associated with any relocation of the Nuclear Power School. As it has been presented, MILCON of $147

APR 13

million to move Orlando to Charleston will have a return on investment of one year. With a cost savings of only $5.3 million annually, I conclude that the real return on investment is 27 or more years.

In an effort to better understand you accounting methods, can you please explain why the cost avoidance of projects in New London were included in your analysis of the move to Charleston.

A18. The decision from the 1993 round of base realignment and closure to close NTC Orlando and NTC San Diego, was estimated to result in annual savings of $76 million and a return on investment in one year. By law, as part of this decision, we are currently required to move the NNPTC to New London. Since the redirect of NNPTC to Charleston will result in the elimination of construction costs associated with the currently mandated move to New London, it is appropriate to include these cost avoidances in the Charleston scenario.

Q19. The Nuclear Power School in Orlando currently has 320,000 square feet of space for academic use. According to materials in the BRAC library, your plans call for the construction of 243,000 square feet in Charleston for training use. Can you please explain why the Navy plans to decrease this space by nearly 100,000 square feet. What are the current capacities, future requirements, and excesses of the Nuclear Power School facilities located in Orlando. In answering this question, please project future requirements for the next five years, ten years, and twenty years.

A19. By law, we can only consider the force structure in fiscal year (FY) 2001, the last year of the Department of Defense's Future Year Defense Plan. There is no basis under the base realignment and closure process for consideration of future requirements beyond FY 2001. The FY 2001 force structure will be significantly smaller than the current force structure. Accordingly, the amount of training space necessary to satisfy future requirements will be proportionately smaller. The Naval Sea Systems Command (NAVSEA) identified the Navy's FY 2001 NNPTC training facility requirement to be 243,000 square feet. Maintaining excess capacity is a significant cost burden to the Department, since we cannot allow our facilities to fall into disrepair. In our analysis, we have built to meet force structure requirements through FY 2001. If, in the future, circumstances would require an expansion in capability, then we can acquire it. However, we will not maintain excess, unnecessary facilities, and continue to bear the burden of costs for utilities, security, maintenance and repair, etc.

Q20. Based on the COBRA data used to conclude that Nuclear Power School should be redirected to Charleston, $147 million of MILCON money must be spent. Is this the total cost of MILCON at Charleston necessary to house the Nuclear Power School? Does the

cost include all housing needs created by the move to Charleston? Does the proposal to move to Charleston incorporate any facilities at the Naval Air Station, including housing, in Charleston? If so, please list those facilities. Does the proposal call for the renovation or rehabilitation of any existing facilities. If so, please list those facilities and the current host Command. In identifying any of the buildings in these questions, please utilize building numbers.

A20. The $147 million includes the total cost of MILCON at WPNSTA Charleston, including housing. None of the Weapons Station's facilities will be renovated; however, the fire station (building number 783) will be expanded. No facilities at the former Naval Station, Charleston, are included in the proposal.

Q23. If the areas that are being proposed for construction are currently unused parcels, is the area currently served by existing utilities or would utilities need to be provided? What are the estimated costs of providing such utilities to this site? Have these costs been included in the COBRA model?

A23. Utilities for the proposed construction site run adjacent to one side of the property. COBRA algorithms include a 24% mark-up to the construction costs to account for associated utilities.

Q25. It would appear that creating a contonement area for Nuclear Power School in Orlando would generate a great deal of cost savings. Did the Navy run a COBRA on leaving the schools in their current location? If so, please provide my office with those results.

A25. We did not consider any scenarios in which NTC Orlando would be reopened. Accordingly, no such COBRA analysis was conducted.

Q26. Please cite any reasons, including all pertinent data supporting those reasons, regarding the Navy's objections to fully operate the Nuclear Power School in a "contonement" setting in Orlando - other than the "philosophical" objections raised by the BSEC.

A26. The Department of the Navy's approach was not to reopen facilities approved for closure in previous rounds of base realignment and closure.

Q27. Nuclear Power School Orlando represents approximately 10% of the entire land mass of what was once known as the NTC Orlando. The facility has an AOB of 2,653 and a permanent staff of 512 authorized personnel compared to the 15,000 employees of the installation when the base was fully operational.

APR 13 XX

In an attempt to understand the BSEC objections to save millions of dollars by maintaining the facility in its present location and avoid reconstructing nuclear power school in its entirety elsewhere, please explain how the creation of a "contonement" area around the nuclear school campus is considered the "reopening of a closing base?"

A27. The intent of the base realignment and closure process is to reduce infrastructure by eliminating excess capacity. Complete closure of bases is the most economical way to accomplish this, for only by closure can the overhead and personnel costs incurred to maintain an installation, be totally eliminated and thereby result in savings. Creation of a cantonment area for the nuclear school campus would result in a significant recurring cost burden to the taxpayer to maintain the necessary infrastructure to support the NNPTC, i.e., Public Works, Security, Chapel, Exchange facilities, MWR facilities, and a Family Services Center. This is why we did not support retention of NNPTC on NTC Orlando property.

DEPARTMENT OF THE NAVY
THE ASSISTANT SECRETARY OF THE NAVY
(INSTALLATIONS AND ENVIRONMENT)
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

APR 26 1995

The Honorable Bill McCollum
House of Representatives
Washington, D.C. 20515

Dear Mr. McCollum:

This is in further response to your letter of March 27, 1995, to Secretary Dalton, concerning the Navy Nuclear Power Training Command (NNPTC).

In my letter of April 7, 1995, I provided answers to 11 of your 31 questions. Our answers to the remaining questions are attached; they are based on certified data obtained from the reply to a data call we issued specifically to enable our response to your query. I trust that the information provided satisfactorily addresses your concerns.

As always, if I can be of any further assistance, please let me know.

Sincerely,

R B Pirie Jr

ROBERT B. PIRIE, JR.

Attachment

REPRESENTATIVE BILL MCCOLLUM'S QUESTIONS CONCERNING THE NAVY NUCLEAR POWER TRAINING COMMAND

Q1. According to the 1995 BRAC Recommendations regarding the Navy Nuclear Power Propulsion Training Center located at the Orlando Naval Training Center, the Department of Defense is requesting a realignment of the school to Naval Weapons Station, Charleston (NWS) to "provide ready access to the moored training ships now at the Weapons Station...."

I have been informed that there is one (1) moored training ship located at NWS with only limited room for training purposes. Please indicate the correct number of moored training ships currently located at NWS Charleston, the number of power school students able to train on the ship at one time, and the AOB currently for the training ship moored at NWS.

A1. There are two Moored Training Ships at the Naval Weapons Station (WPNSTA), Charleston, South Carolina. Historically, each training platform has been able to train about 200-250 students simultaneously; however, this is highly dependent on factors such as maintenance schedules. Each Moored Training Ship currently has about 250 students on board.

Q2. When students graduate from the Nuclear Field "A" School and the Nuclear Power School located in Orlando, please list the classes and/or courses that each graduate is required to attend and specify all possible locations where such follow-on training is taught. Does this curriculum require training on nuclear reactor prototypes?

A2. Nuclear Field "A" School. This School actually comprises three separate schools for enlisted personnel: a Machinist's Mate School, an Electrician's Mate School, and an Electronics Technician School. The Machinist's Mate School has courses in mathematics, basic machinery, and mechanical equipment. The Electrician's Mate School has courses in mathematics, basic electricity, electronics, and electrical equipment. The Electronics Technician School has courses in mathematics, basic electricity, electronics fundamentals, communications equipment fundamentals, digital microprocessor fundamentals, and radar fundamentals. The curricula for the Nuclear Field "A" School do not involve hands-on training on nuclear reactor prototypes. Following the Nuclear Field "A" School, students attend the Nuclear Power School.

Nuclear Power School. Enlisted personnel and officers attend this School. The curriculum for enlisted students has courses in mathematics, physics, heat transfer and fluid flow, reactor plant systems, reactor principles, chemistry, materials, radiological fundamentals, and mechanical and electrical theory. With the exception of mechanical and electrical theory, the curriculum for officers has courses in the same subjects as for enlisted personnel, and courses in electrical engineering, core

characteristics, and the aspects of reactor plant operations. The curricula for the Nuclear Power School do not involve hands-on training on nuclear reactor prototypes. All graduates of the Nuclear Power School, enlisted and officer, receive follow-on training at either a Moored Training Ship at WPNSTA Charleston or at a prototype in Ballston Spa, New York, the only locations where facilities to support this training exist.

Q3. It is my understanding that graduates of the Nuclear Power School engage in follow-on training to gain hands-on experience with "prototype nuclear reactors in either Charleston (if they are submariners) or Ballston Spa, New York (if they are surface fleet). Is this true?

A3. Graduates of the Nuclear Power School may be trained at any Moored Training Ship or prototype regardless of whether their ultimate assignment in the fleet will be a submarine or a surface ship.

Q4. For all training locations where Nuclear Power Students are transferred immediately from Orlando, other than Charleston or Ballston Spa, please list the location and the type of training taught at each location.

A4. All graduates of the Nuclear Power School are only sent to either WPNSTA Charleston or Ballston Spa.

Non Answer

Q5. Please list the actual number of graduates in 1992, 1993, 1994 and 1995 (projected) that graduated or will graduate from Orlando and transferred or will transfer directly to Charleston, Ballston Spa and any additional locations for follow-on training. In addition, please list the permanent change of station costs associated with relocating each student to each location used for the next level of training.

A5. The following are historical and projected numbers of graduates of the Nuclear Power School at the Naval Training Center (NTC), Orlando, Florida, by fiscal year:

1992	1993	1994	1995
2,786	2,572	1,888	2,178

Presented below are typical permanent change of station (PCS) costs for graduates of the Nuclear Power School at NTC Orlando to follow-on training:

Destination	Enlisted PCS Costs			Officer PCS Costs		
	Pay-grade	Without Dependents	With Dependents	Pay-grade	Without Dependents	With Dependents
WPNSTA Charleston	E-4	$228	$2,213	O-1	$1,260	$3,176
Ballston Spa	E-4	$507	$3,371	O-1	$1,955	$5,007

Note: The PCS costs cited above were taken from Department of the Navy Bureau of Personnel's Enlisted and Officer Cost Tables and are preliminary cost estimates used when writing PCS orders.

Q6. Please describe in detail each of the "prototype nuclear reactors" located in Charleston and Ballston Spa (and any other locations where Orlando graduates train). For each, please supply the age of the prototype, the date it was installed at the facility, and the number of prototypes located at each facility.

A6. As mentioned earlier, all graduates of the Nuclear Power School are sent only to either WPNSTA Charleston or Ballston Spa. Each site operates two nuclear propulsion plants for training.

WPNSTA Charleston. Students at WPNSTA Charleston train on either Moored Training Ship 635 or 626. The Moored Training Ships are the former S5W submarines USS SAM RAYBURN (SSBN 635) and USS DANIEL WEBSTER (SSBN 626). The USS SAM RAYBURN and the USS DANIEL WEBSTER were commissioned in 1964. Each ship was converted for training use by removing the missile compartment and reconfiguring the forward end of the submarine to accommodate support systems. Moored Training Ship 635 began operations in WPNSTA Charleston in 1989, Moored Training Ship 626, in 1993.

Ballston Spa. Students at Ballston Spa train at either the Modified Advanced Reactor Facility (MARF) or S8G prototype. The MARF started operations in 1976 and was designed to test various types of prototypical equipment although the plant as a whole is not prototypical of any single ship design. The S8G prototype began operation in 1978 and is the propulsion plant prototype for TRIDENT Class submarines.

Q7. For each of the "prototype nuclear reactors" listed in question three, what is its useful life in years? How has this useful life been determined?

A7. The MARF and S8G prototypes are each considered to have a useful service life of about 50 years. The Moored Training Ships are each considered to have a 25 year post-conversion service life because part of their life was expended as an SSBN. Service life is based on ongoing engineering analysis of major plant components.

Q8: What was the AOB number of students trained in each of the last three years at the Nuclear Field A School and the Nuclear Power School? What is the average length of study for Nuclear Field A School? For Nuclear Power School?

A8. Presented below are the NNPTC student Average On Board (AOB) figures for the last three complete fiscal years:

School	Average On Board (AOB)		
	FY 1992	FY 1993	FY 1994
Nuclear Field "A" School	1,331	1,165	982
Nuclear Power School	1,783	1,617	1,140

Presented below are the program lengths for curricula taught at the NNPTC:

School	Program	Length (Calendar Days)
Nuclear Field "A" School	Machinist's Mate School	91 days
	Electrician's Mate School	112 days
	Electronics Technician School	196 days
Nuclear Power School	[illegible]	168 days

Q9. Do all students that graduate from Nuclear Field A School and/or Nuclear Power School receive some training on the prototypes located at Charleston or Ballston Spa? What is the average length of study for this "hands-on" training? If students graduate from Orlando and do not train on these prototypes, what other training do they obtain before going to the fleet?

A9: As mentioned earlier, all graduates of the Nuclear Power School receive follow-on training on a Moored Training Ship at WPNSTA Charleston or prototype at Ballston Spa. The length of this training at each site is 182 calendar days.

Q10. What is the maximum number of students who at present can be trained annually at Nuclear Field A School and the Nuclear Power School without any additional construction, alteration, repair, or maintenance at existing facilities in Orlando?

A10. The maximum number of enlisted students that could be input into the nuclear power training pipeline at NTC Orlando, is about 2,700 annually; the limiting factor is Bachelor Enlisted Quarters (BEQ) availability. The maximum number of officer students that could be trained annually at the Nuclear Power School is about 850; because officer students reside off-base, BOQ availability is not a limiting factor.

Q11. Please list the total base operation support costs of the Nuclear Field A School and the Nuclear Power School in 1992, 1993, and 1994. Please estimate the BOS costs if the schools were to remain in their current locations and the NTC Orlando closes on schedule. Please estimate any one-time costs that would be necessary should the schools remain in their current location.

A11. Base operating support (BOS) costs for the NNPTC at NTC Orlando, for fiscal years 1992, 1993, and 1994, cannot be provided because NTC base records do not identify support provided on a school-by-school basis. Total recurring annual costs to operate only these two schools after NTC Orlando closes have been estimated to be $19.3 million. The one-time costs required, should NNPTC remain in Orlando, include: a maintenance and repair backlog that totals nearly $8 million, $25.7 million in BEQ upgrades and new construction, and $165 thousand programmed to move the fence line to enclose only those facilities in direct support of the NNPTC and construct a gate house.

Q14. Please explain the difference between the squadbay-type BEQs located in Orlando and the new Navy-standard BEQs.

A14. Two types of BEQs are currently used to house Nuclear Field "A" School students and enlisted students at the Nuclear Power School:

a. Welton-Beckett design consisting of a common entrance/ living area shared by four two- or three-person rooms of 255 net square feet each, with individual baths.

b. Semi-open bay, designed to house 60 persons per bay, partitioned into cubicles with 4 persons per cubicle, 72 net square feet per person, with a central head. These BEQs are used primarily for Nuclear Field "A" School students.

c. Module type BEQ's consisting of rooms with 288 net square feet each with separate bath, housing two or three personnel depending on "A" school loading.

The new April 1995 Navy standard consists of a 66 gross square meter module with:

a. Two 118 net square feet (11 net square meters) living/sleeping rooms (one per person);

b. Two closets (one per person) with 21 net square feet (2 net square meters) each;

c. Shared bath and kitchenette; and

d. Interior module circulation.

Will DON be upgrading all Barracks that do not meet these requirements - what is cost?

Q15. It is my understanding that a "bunk reduction" project is in progress in Orlando to increase the habitability of nuclear power students to ninety square feet per occupant. This project would reduce the number of barracks in Orlando from 3,008 to 2,800. Once this project is completed, will the facilities in Orlando meet the new Navy-standard for BEQs? If not, why. What else could be done to rehabilitate these facilities to comply with the new Navy-standard for BEQs? What would be the total cost to rehabilitate these facilities?

A15. In April 1995, CNO approved new BEQ standards for the Navy. To keep our analysis consistent, the calculations and information provided below is based on the same standards that were in effect during the DON BRAC 95 process. The BEQs at NTC Orlando can continue to be improved by converting three person rooms to two person rooms where this is practical. To upgrade the Orlando BEQs to comply fully with new construction standards may not be cost effective and building new barracks would cost $81.5 million. The semi-open bay, Welton-Beckett, and rectangular room configurations could be remodeled to provide approximate space to meet occupancy standards. Remaining requirements would be met through new construction. The following table shows how this action could be effected (NOTE: Costs would be higher with the April 1995 standards):

BEQ Type	# PN	SF	Cost ($000)
Semi-open Bay	264	66,064 gsf	4,617
Welton-Beckett	1,324	168,810 nsf	6,390
Rectangular	552	78,384 nsf	2,967
New Construction	360	95,940 gsf	11,715
		TOTAL COST:	25,689

The new construction requirement has been reduced to ensure the same AOB will be supported at both Charleston and Orlando. Using the COBRA rehabilitation factor, semi-open bay BEQs can be converted for about 75% of construction cost. Rectangular and Welton-Beckett conversions include constructing four partitions and two closets, two electrical circuits, and counter top with refrigerator and microwave. No structural or circulation changes will be made to the buildings.

Q21. It is my understanding that the property located around the proposed new site for the Nuclear Power School is closely located to the weapons storage area at Naval Weapons Station Charleston. Is my understanding correct? Please provide a map of the current facilities at NWS Charleston and the proposed location of the Nuclear Power School. How close can the Navy build facilities to the existing NWS without creating a hazard?

What are Standards

A21. Refer to the attached map (page 10). The proposed new site for the NNPTC (within the area highlighted in yellow) is outside of weapons explosion arcs adjacent to a base housing area. Locations inside the weapons explosion arcs will not be considered.

Q22. Please provide the Explosive Safety Quantity Distances (ESQD) for any proposed MILCON and potential explosive sources. Will all of the new construction afford an acceptable degree of protection and safety for inhabitants and students?

A22. See response to question 21.

Q24. Where will NWS obtain utilities to support the Nuclear Power School - from Navy-owned plants or from the local government sector? Does the NWS have sufficient capacity in electrical, water, sewer, gas and telephone to accommodate the Nuclear Power School? What is the current usage, current excess capacity, and the anticipated usage once the schools are transferred to Charleston?

A24. Water, sewer, natural gas, and electricity for support of the schools will be obtained from the local government sector. How telephone service will be provided to the schools has not yet been decided. WPNSTA Charleston has sufficient utility capacity to support the schools. Usage for water varies by season and base operational tempo; the usage from mid-February to mid-March 1995 was about 53,000 gallons. Sewer usage is about 1.2 million gallons per day. Natural gas usage is about 1.8 decatherms per month. Electricity usage is about 16,000 KW per month. Increased utility usage if the schools are transferred to WPNSTA Charleston is expected to be within the capacity of the utility systems.

Q28. NAVFACINST 11010.44E (Shore Facilities Planning Manual) requires NAVSEASYSCOM to review the proposed location of all

projects encumbered by ammunition and explosives and provide review comments to the CNO. Does this instruction apply to the relocation of this facility? If so, have review comments been provided to the CNO? If so, please provide a copy of these comments, and if not, please specify when these comments are expected to be provided to the CNO.

A28. NAVFACINST 11010.44E does apply to the relocation to WPNSTA Charleston. Naval Sea Systems Command review comments on the relocation have not yet been provided to the Chief of Naval Operations. The Naval Facilities Southern Division is developing facilities documents based on training requirements provided by NAVSEASYSCOM and in accordance with NAVFACINST 11010.44E. NAVSEASYSCOM will have the opportunity to comment on the relocation when the documents are completed.

Q29. Furthermore, the same instruction as noted in the previous question requires the SPAWARSYSCOM to certify the electromagnetic radiation safety of facilities. Since the Nuclear Power School currently uses rooftop mounted radar antenna, will such a certification be made to ensure that the Nuclear School training does not interfere with the mission or safety of NWS Charleston? If not, why? If so, please provide a copy of this certification.

A29. All applicable certifications for the rooftop mounted radars will be obtained for the WPNSTA Charleston site. The radars are safe for both personnel and the most sensitive ordinance after a distance of only 22 feet, so interference with mission accomplishment is not expected.

Q30. How much money has been spent to date to perform site planning and preliminary design work at New London for the relocation of Nuclear Power School Orlando? How much of this work product could be recouped by adapting these designs for Charleston?

A30. Planning and design work for the relocation of the Nuclear Field "A" School and the Nuclear Power School to Submarine Base (SUBASE) New London, Connecticut, will be stopped at the earliest opportunity consistent with good business judgment and the requirements of the base closure process. It is anticipated that about $10.3 million will have been spent on this effort. Little, if any, of the design effort for the Schools' relocation to SUBASE New London will be adaptable to WPNSTA Charleston because the existing buildings at New London are planned for refurbishment, the academic buildings for Charleston would be new construction. Also, site conditions differ considerably between the two locations. For example, the site in New London is a rocky river valley, whereas the site in Charleston is flat and soft, which requires a different type of foundation.

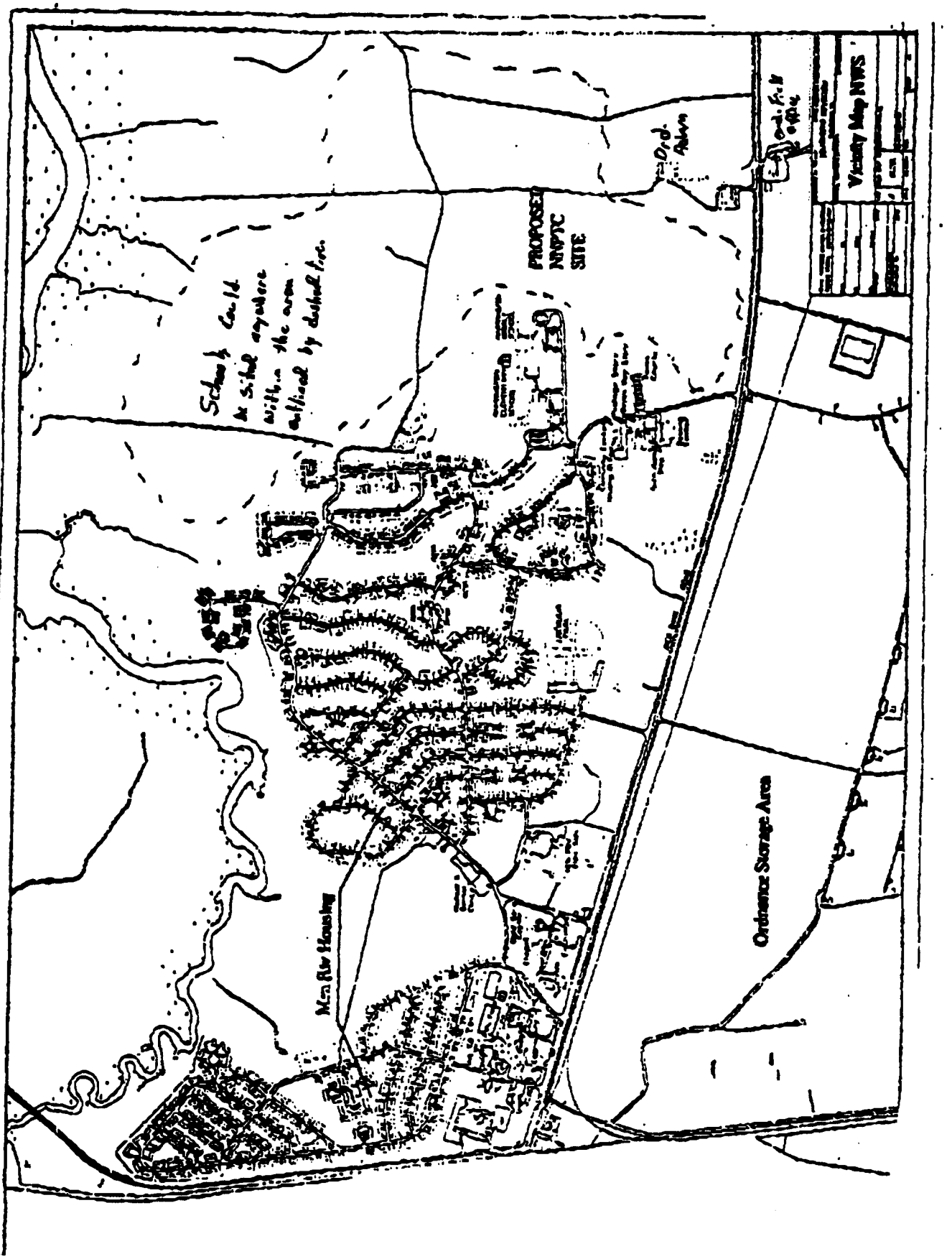
Q31. Is there sufficient housing on base or in the community for

Nuclear Power School students and faculty in the Charleston community? In the New London community? Please list your sources and the data utilized to arrive at this conclusion.

A31. Regardless of NNPTC receiving site location, WPNSTA Charleston or SUBASE New London, BEQs for enlisted students of the Nuclear Field "A" School and Nuclear Power School will have to be constructed. Officer students can live off-base at both locations as is currently done in Orlando.

Based on information provided by the base housing office in Charleston, they will have an excess of approximately 800 units upon closure of Naval Station Charleston. Historically, approximately 75% of the enlisted staff and 10% of the enlisted students are married and require family type housing. This is approximately 380 staff and 220 students (total 600) requiring housing. Because this is only about three-fourths of the projected excess, the WPNSTA Charleston housing office feels confident in their ability to house all NNPTC staff and students who desire family housing. Base housing for married students would most likely not be available in New London. Married students not living in base housing can live off base in both locations. Some lesser amount of base housing for school staff would likely be available in New London.

This assessment was made based on information provided by base housing offices at both New London and Charleston.


Schools could be sited anywhere within the area outlined by dashed line.
PROPOSED NWPTC SITE
Old Pelham
Vicinity Map NWS
Mess Hall Housing
Ordnance Storage Area

BILL McCOLLUM
8TH DISTRICT, FLORIDA

CHAIRMAN
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Navy Nuclear Power Training Command

Orlando, Florida

Background

Under the base realignment and closure process (BRAC) of 1993, the Navy Nuclear Power Training Command (NNPTC) was to be relocated to Navy Submarine Base, New London. This move was originally proposed to take advantage of the anticipated space that would become available as a result of the relocation of several activities from New London. The BRAC 93 decision rejected the proposal to relocate activities from New London, thereby creating a need for new military construction and sharply increasing costs at New London to accommodate the NNPTC.

During the BRAC 95 process, the Departments of Defense and of the Navy decided to review the relocation of the NNPTC - a redirect from New London to Naval Weapons Station, Charleston. The Departments reviewed redirecting the NNPTC from New London to Charleston due to the increasing costs associated with rebuilding in New London.

The Case for Redirecting NNPTC to Orlando

In response to some of the critical issues raised by the Department of Defense and the Department of the Navy regarding this matter, the community believes that the following matters must be evaluated:

A. The Department of Defense substantially deviated from selection criteria 5 when the Department failed to properly evaluate the return on investment associated with the recommendation to redirect the NNPTC to Charleston.

The Department of Defense did not examine the issue of return on investment for all plausible options regarding the redirect of NNPTC from New London to Charleston. If the Department had properly reviewed this matter, the Department would have ultimately decided to maintain NNPTC in Orlando based upon cost savings alone.

RCVD UNDATED 17 MAY 95 w/ COBRA DISC + 2 RUNS

It is clear that the savings associated with a redirect to Orlando far outweigh any potential savings in redirecting the facility to Charleston. Subsequently, the failure to review costs represents a substantial deviation from the selection criteria in the recommendation to redirect NNPTC to Charleston.

Preliminary COBRA runs redirecting Orlando to Orlando are included in the attached tables. The COBRA data compares savings resulting from the redirect to Orlando from either New London or Charleston.

B. The Department of Defense substantially deviated from selection criteria 2 when the Department failed to properly evaluate the availability and conditions of land, facilities and airspace at both the existing and potential receiving location.

NNPTC Orlando was designed to be a self contained, university-like campus when the facility was constructed. The campus' facilities are modern and are in good repair. Located within the parameters of the facility are ample infrastructure resources to house: Public Works; Security; Exchange (the Exchange will remain in Orlando regardless of whether the NNPTC remains or moves to New London or Charleston); MWR Facilities (ample resources currently exist that will accommodate any needs in this area of the NNPTC including a gymnasium, the Mariner's Club, two softball fields, tennis courts, basketball courts, and access to the swimming pool and recreational access to Lake Baldwin); and Family Services (building 356).

Without assessing the existing infrastructure at the NNPTC Orlando, the Department reviewed only one option to relocate to Charleston. At either the New London or Charleston location, these facilities would have to be reconstructed at a cost of anywhere between $147 million and $200 million.

C. The Department of Defense substantially deviated from selection criteria 4 when the Department did not properly analyze the costs and manpower implications associated with a redirect of the NNPTC from New London to Charleston.

In analyzing the costs associated the decision to redirect NNPTC from New London to Charleston, the Department's final analysis raises several concerns:

Base Operating Support Costs

According to a task force report prepared by NAVSEA's contractor (Bettis), who was asked to make an impartial review of O&MN costs at Orlando and New London, the BOS costs for NNPTC would be $19.3 million while the BOS costs at New london would be $14.3 million.

The Navy has stated that Charleston would have recurring costs of only $11.5 million. The Navy has not produced any data that we have seen to substantiate the numbers for Charleston, which seem low in comparison to New London. We believe the cost figures in Charleston may allocate BOS costs to larger tenants, thereby understating NNPTC BOS costs in Charleston.

BEQ upgrades and Annual Inspection Surveys

According to our research, there are approximately $5.5 million in repairs for the BEQ's located at Orlando. These repairs are generally for the HVAC system replacements. This number excludes the new Department of Defense design criteria. However, it should be noted that Orlando currently meets berthing criteria, and there is no requirement to bring the BEQ's to any new standard. The remaining portion of the $8.1 million one time costs also include $2.25 million for repairs that must take place should the NNPTC remain in Orlando past 1998.

Double counting of savings

The Navy included the costs of not building in New London as savings. The Navy also included lower overhead costs comparing New London with Charleston. However, the lower overhead costs come in part from overhead savings of closing the NNPTC buildings not yet built in New London; therefore, allowing for a double counting of savings.

RTAUZYUW RUENAAA1071 0840907-UUUU--RULSSEA RULSSAD.
ZNR UUUUU
RUFRCNE T CINCUSNAVEUR LONDON UK
R 250245Z MAR 95 ZYB PSN 352446M24

NEW BEQ STD

FM CNO WASHINGTON DC//N44//

TO RULSADK/COMNAVFACENGCOM ALEXANDRIA VA//30/12/50B//

RUCBCLF/CINCLANTFLT NORFOLK VA//N44//
RHHMHAH/CINCPACFLT PEARL HARBOR HI//N46//
RULSNAA/COMNAVAIRSYSCOM WASHINGTON DC//09Y//
RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//07I//
RUFRCNE/CINCUSNAVEUR LONDON UK//N72//
RUCTPOA/CNET PENSACOLA FL//N41//
RUENMED/BUMED WASHINGTON DC//43//
RULKSDF/COMNAVSECGRU WASHINGTON DC//G43//

NEW BEQ STDS MSG FROM CNO. COPY RCVD DURING CHATSN BASE VISIT FROM CO WEPSTA

RULSSAD/COMNAVSUPSYSCOM WASHINGTON DC//451//
RULSSPA/COMSPAWARSYSCOM WASHINGTON DC//214A//
RULSWCB/COMNAVCOMTELCOM WASHINGTON DC//N4//
RULSDSA/DIRSSP WASHINGTON DC//20162//
RULSNDK/FLDSUPPACT WASHINGTON DC//01F//
RUDMONI/ONI SUITLAND MD//02//
RUEACNP/CHNAVPERS WASHINGTON DC//67//
INFO RUENAAA/ASSTSECNAV IE WASHINGTON DC//JJJ//
RUEACMC/CMC WASHINGTON DC//LFL//
PAGE 02 RUENAAA1071 UNCLAS
RUCCFLD/COMNAVMETOCCOM STENNIS SPACE CENTER MS//N14//
RULSOCA/CNR ARLINGTON VA//0123//
RULSMSC/COMSC WASHINGTON DC//67//

UNCLAS //N11013//

MSGID/GENADMIN/CNO WASHINGTON DC//

SUBJ/NAVY IMPLEMENTATION OF NEW BEQ CONSTRUCTION STANDARDS//

REF/A/MTG/19JAN94/-//
NARR/REF A WAS DOD INSTALLATIONS POLICY BOARD MEETING WHICH DETAILED A NEW TRI-SERVICE BEQ STANDARD WHICH HAS BEEN RECOMMENDED TO THE SECRETARY OF DEFENSE.//
RMKS/1. THE NEW TRI-SERVICE BEQ CONSTRUCTION STANDARD WILL PROVIDE A MODULE SUPPORTING EITHER TWO INDIVIDUALS (E1-E4) OR ONE INDIVIDUAL (E5-E9). THE NEW MODULE HAS A GROSS BUILDING AREA PER MODULE OF 66 SQUARE METERS (SQM), COMPRISED OF A 46 GSQM LIVING MODULE PLUS 20 GSQM FOR BUILDING CIRCULATION, UTILITY SUPPORT, AND COMMUNITY CORE AREAS. THE 46 GSQM MODULE CONTAINS TWO 11 NET SQM LIVING/SLEEPING ROOMS, TWO 2 NET SQM CLOSETS, A SHARED BATHROOM AND KITCHENETTE, AND INTERNAL MODULE CIRCULATION. FOR HIGH RISE BEQ'S, UP TO 4 SQM ADDITIONAL AREA PER MODULE MAY BE ADDED TO THE 66 SQM GROSS BUILDING
PAGE 03 RUENAAA1071 UNCLAS
AREA PER MODULE AS REQUIRED.
2. NAVFAC IS DIRECTED TO TAKE THE FOLLOWING ACTION FOR THE FY1996 MILCON PROGRAM:
REDESIGN BARRACKS PROJECTS TO PROVIDE THE 46 GSQM MODULE WITH 11 NSQM LIVING/SLEEPING ROOMS. THE SQUARE FOOT SCOPES AND BUDGET AMOUNTS MAY NOT EXCEED THOSE SHOWN IN THE PRESIDENT'S BUDGET DD-1391'S SUBMITTED TO CONGRESS IN FEBRUARY 1995. PROVIDE THE MAXIMUM NUMBER OF MODULES, SUBSTITUTING MODULE SPACE FOR COMMUNITY CORE AREAS TO THE MAXIMUM EXTENT POSSIBLE, MINIMIZING BUILDING AREA REQUIRED FOR CIRCULATION AND UTILITIES.
3. NAVFAC AND MAJOR CLAIMANTS SHOULD COORDINATE BEST SOLUTIONS FOR EACH FY1996 TRANSITION PROJECT ON A CASE BY CASE BASIS. EVALUATION OF SELECTED TEST CASES HAVE SHOWN A VARIETY OF SOLUTIONS THAT CAN

PROVIDE SUITABLE OVERALL DESIGNS WHILE UPGRADING THE PERSONAL SPACE FOR OUR SAILORS.
4. THIS BQ STANDARD IS FOR THE DESIGN OF FACILITIES UNDER NEW CONSTRUCTION OR REPLACEMENT PROJECTS. THE DESIGNS FOR MODERNIZATION OF EXISTING FACILITIES SHALL BE BASED ON THIS STANDARD, BUT MAY BE ADJUSTED TO WORK WITHIN CONSTRAINTS OF THE EXISTING STRUCTURE.
5. THIS CHANGE IN DESIGN STANDARDS DOES NOT CHANGE CURRENT BQ

ASSIGNMENT CRITERIA, AND SHALL NOT BE USED TO CLASSIFY AN EXISTING ADEQUATE FACILITY AS INADEQUATE OR SUBSTANDARD. ALTERATIONS TO EXISTING BACHELOR QUARTERS PRIMARILY INTENDED TO MEET THESE DESIGN STANDARDS SHALL NOT BE CLASSIFIED AS A REPAIR PROJECT, AND MUST BE PROGRAMMED AS A MILCON PROJECT IF THE CONSTRUCTION COST EXCEEDS $300K.
6. POC IS LCDR CHRIS MOSSEY/N445C/DSN 225-9698/COMM. 703-695-9698.//

#1071

07I(1) ....ACT FOR COMNAVSEASYSCOM
00N(1) 01(1) 01K(1) 91W4(1) PMS325(1) PMS335(1) PMS377(1) 00(1)
01P(1) 03(1) 03D3(1) 03DM(1) 03E(1) 04I(1) 04PT(1) 04TD(1)
07A(1) 91(1) 91W(1) 92(1)

451(1) ....ACT FOR COMNAVSUPSYSCOM
42(1) 425(1) 431(1) 443(1) 52(1) 00(1)

DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

LT-0690-F14
BSAT/TG
16 June 1995

The Honorable Strom Thurmond
United States Senate
Washington, D.C. 20510

Dear Senator Thurmond:

This is in follow-up to my letter of April 13, 1995, that responded to a query by Mr. George Lauffer of the Committee on Armed Services staff, concerning the Navy Nuclear Power Training Command (NNPTC).

At the request of the 1995 Defense Base Closure and Realignment Commission, we conducted a cost of base realignment actions (COBRA) analysis of redirecting the NNPTC to remain in Orlando instead of to Charleston. In so doing, we have updated our estimate for the redirect of the NNPTC to Charleston. The following table highlights the differences in costs and savings associated with the two redirect options ("Redirect from New London to Charleston" vs. "Redirect from New London to Orlando"):

COBRA Analyses: Difference Between Operation at Charleston and Operation at Orlando

Option	ROI Years	One-Time Costs	One-Time Savings	Steady State Savings/(Costs)	20 Year NPV Savings/(Costs)
to Charleston:	1 Year	$146.6	$162.5	$8.7	$125.6
to Orlando:	Never	$27.5	$167.6	($13.5)	($33.8)
Difference:	-	$119.1	($5.1)	$22.2	$159.4

(all figures shown in $ millions)

As a part of this effort, we have also revised our estimates of base operating support (BOS) costs at the three locations. These estimates supersede previous estimates provided. Embedded within the existing staff of the NNPTC are 62 military personnel who provide BOS functions. Standard factors used in COBRA algorithms would translate this 62 person requirement to approximately $2.1 million per year. This cost is constant at Orlando, New London, or Charleston. The following are our estimates of BOS costs at each site:

Charleston. COBRA algorithms calculate an annual increase in WPNSTA Charleston BOS costs of $4.2 million based on numbers of personnel relocating and new facilities to be constructed. Adding in the existing $2.1 million in BOS-related labor costs of NNPTC staff equals a total annual BOS cost of $6.3 million at Charleston.

New London. Our COBRA analysis identified an increase in SUBASE New London BOS costs of $7.1 million, again, based on numbers of personnel which would relocate and new facilities which would be constructed if the NNPTC were relocated to New London. Adding in the existing $2.1 million in BOS-related labor costs of NNPTC staff equals a total annual BOS cost of $9.2 million at New London.

Orlando. We have identified $19.3 million in additional BOS costs to operate at Orlando (in 1994 dollars). Since all DoD COBRA estimates must be shown in FY 1996 dollars, we have inflated this $19.3 estimate to make it comparable to the Charleston and New London estimates. In 1996 dollars, this equates to $20.3 million. Adding in the existing $2.1 million in labor costs at the NNPTC equals a total potential annual BOS cost of $22.4 million to operate the NNPTC as a stand-alone activity in Orlando.

Finally, in light of the additional certified data which we have collected on the student population and throughput at the Nuclear Power School, we have been able to refine our estimate of PCS savings associated with our proposed redirect of the NNPTC to Charleston. This refinement of PCS savings was calculated using COBRA moving algorithms, consistent with all of our COBRA analyses. However, based on the recently received certified data, we have lowered the COBRA standard factors used in this PCS calculation to reflect actual pay grades and percentage of married officers/enlisted for graduates of the Nuclear Power School. Use of COBRA moving algorithms is consistent with the approach used by all DoD Components in calculating costs/savings associated with base closure actions and provides the most realistic reflection of the potential moving costs for Nuclear Power School students (in terms of pay, marital status, etc.). This refinement has reduced our PCS savings estimate from $6.2 million to $2.9 million per year. This change does not, however, materially affect the return on investment associated with our proposed BRAC-95 recommendation.

As always, if I can be of any further assistance, please let me know.

Sincerely,

C. P. NEMFAKOS
Vice Chairman,
Base Structure Evaluation Committee

BRC

DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

LT-0801-F16
BSAT/TG
15 June 1995

The Honorable Alan J. Dixon
Chairman, Defense Base Closure
and Realignment Commission
1700 North Moore Street
Suite 1425
Arlington, VA 22209

Dear Chairman Dixon:

Response to the four questions asked by Mr. Alex Yellin, on June 2, 1995, concerning the Navy Nuclear Power Training Command (NNPTC), is attached.

The documents Mr. Yellin forwarded included briefing materials apparently from presentations the New London community made to the Commission. While our comment on these materials was not specifically requested, we would note that cost data contained in the briefing materials does not reflect formally certified information used in our analyses. The information provided in my letter of June 9, 1995, in response to Mr. Yellin's query of May 18, 1995, constitutes the most realistic determination of the costs associated with the Secretary of Defense's recommended redirect of the NNPTC to Charleston.

I trust this information satisfies your concerns. As always, if I can be of any further assistance, please let me know.

Sincerely,

Charles P. Nemfakos
Vice Chairman,
Base Structure Evaluation Committee

Attachment

DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION QUESTIONS CONCERNING THE NAVY NUCLEAR POWER TRAINING COMMAND (NNPTC)

Q1. The attached documents have been received from the noted Naval activities and communities. They each provide possible amplifying data on the cost and savings figures dealing with the Naval Nuclear Power Propulsion Training Center redirect recommendation.

In summary, they list

1. The Subase New London/NORTHDIV MILCON estimate in New London as $168,408,000 and the SOUTHDIV MILCON estimate in Charleston as $148,650,000 for equal student loads.

2. The schedule for construction at the Charleston Weapons Station which lists the completion date as 15 Jul 95.

3. NAVSEA 08 calculations which led to their certified data input for PCS cost savings.

4. NAVSEA 08 memo stating a delay will occur in the closing of the Orlando facility if the Charleston recommendation is accepted and there will then be additional costs to keep the Orlando facility open past the scheduled closure date.

While understanding the constraints of the certified data process but yet attempting to improve upon the estimates given by the Department of Defense and to analyze community concerns, request your comments on these documents and their bearing on the recommendation.

A1.1. The Submarine Base New London/Northern Division and Southern Division military construction (MILCON) cost estimates for the New London and Charleston sites that accompanied Mr. Yellin's memorandum represent preliminary data which has not yet been reviewed by the chain of command or the Department of the Navy Comptroller. [redacted]

A1.2. [redacted]

A1.3. As noted in previous correspondence, we believe that PCS savings NAVSEA 08 provided to you are significantly understated and do not reflect our certified data on the percentages of married officer and enlisted Nuclear Power School students, etc. Our estimate of PCS savings uses the standard COBRA algorithms which are used by all DoD Components to estimate base closure-related moving costs. And, as I indicated in my letter to the Commission of June 9, 1995, in deriving this refined PCS savings estimate we lowered the standard factors used in this moving calculation to reflect certified data on actual pay grades and marital status percentages of officer and enlisted Nuclear Power School graduates. We believe that this approach provides the

most realistic reflection of the potential moving costs for Nuclear Power School students (in terms of pay, marital status, etc.). As you know, lowering the standard factors using in this calculation reduced our PCS savings estimate from [redacted]illion per year. Let me reiterate that this change does not materially affect the return on investment associated with this base realignment action.

A1.4. As of June 13, 1995, the latest projected completion date for military construction at New London is [redacted] Construction at the Charleston site is expected to begin in FY 1997 and be completed in May 1998. Assuming a ten month migration period for each receiving site, NTC Orlando will be able to close during FY 1999. Our BRAC-95 NNPTC redirect recommendation looks at changes in costs/savings resulting from relocating the NNPTC to Charleston instead of New London. [redacted] changing the receiving site location for the NNPTC from New London to Charleston, as the Secretary of Defense has recommended, will not result in increased costs to keep the NTC Orlando open beyond FY 1999. Moreover, a delay in completion of the construction at Charleston that might necessitate keeping the NNPTC in Orlando beyond FY 1999 would not materially affect the recommendation because of the large savings associated with this base realignment action; the additional recurring costs incurred at Orlando by [redacted] would be insignificant in relation to the [redacted] this recommendation provides the Department of Defense.

BRC

DEPARTMENT OF THE NAVY
THE ASSISTANT SECRETARY OF THE NAVY
(INSTALLATIONS AND ENVIRONMENT)
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

7 April 1995

The Honorable Bill McCollum
House of Representatives
Washington, D.C. 20515

Dear Mr. McCollum:

This is to acknowledge receipt of your letter of March 27, 1995, to Secretary Dalton, concerning the Navy Nuclear Power Training Command (NNPTC).

To be as responsive as possible, I am providing answers to 11 of your 31 questions based on certified information in our 1995 Base Structure Data Base. We have issued a separate data call to gather the information necessary to completely and substantively address your remaining questions. I will reply further as soon as possible, but you can expect a final response no later than April 15, 1995.

In the interim, if you require further assistance or have additional information to provide, you may contact LCDR Steve Bertolaccini, who is coordinating the response, at (703)681-0472.

Sincerely,

ROBERT B. PIRIE, JR.

Attachment

REPRESENTATIVE BILL MCCOLLUM'S QUESTIONS
CONCERNING THE NAVY NUCLEAR POWER TRAINING COMMAND

Q12. Please list the total annual projected base operating support costs of the Nuclear Field A School and Nuclear Power School if they were to be relocated to Charleston. To New London.

A12. See answer to question thirteen.

Q13. In the "Report of BSEC Deliberations," dated 19 December 1994, in paragraph 17c, the following statement was made: "Locating at Charleston would keep Orlando closed, result in better facilities for the students, and save $15M per year in BOS and PCS costs over Orlando."

Please explain in detail how the Navy arrived at the cost savings of $15M per year in BOS and PCS costs over Orlando. Furthermore, please compare the BOS and PCS costs associated with the following scenarios: (1) leave Orlando open; (2) move the Nuclear Power School to New London; and (3) move the Nuclear Power School to Charleston. In making these comparisons, please include PCS costs associated with graduates moving from the Nuclear Power School to Ballston Spa and to the fleet or any other locations to which schools graduates are transferred.

A13. The decision from the 1993 round of base realignment and closure to close Naval Training Center (NTC) Orlando resulted in the need to relocate the Naval Nuclear Power Training Command (NNPTC), one of the tenant activities at NTC Orlando. In the 1993 round of base realignment and closure, the Department of the Navy recommended relocating the NNPTC to Submarine Base (SUBASE), New London, to take advantage of facilities made available by another of the Department's recommendations to close the piers at New London. Once the 1993 Base Closure and Realignment Commission overturned our recommendation regarding the piers at New London, the costs to construct new facilities for the NNPTC at New London were significantly increased. As a result, during the 1995 base realignment and closure process, the Department of the Navy's Base Structure Evaluation Committee (BSEC) examined Weapons Station (WPNSTA), Charleston, as an alternative receiving site for the NNPTC, which both reduced up-front construction costs and also resulted in recurring savings associated with eliminating permanent change of station (PCS) costs for follow-on tours at the moored training ships at WPNSTA Charleston.

Cost of Base Realignment Actions (COBRA) algorithms are used to examine costs, savings and return on investment associated with base closure actions. In the case of relocation of NNPTC from New London to Charleston, COBRA algorithms showed a marginal difference in non-payroll base operating support (BOS) costs for the two locations, a one-time cost avoidance of $15 million associated with reduced construction costs at Charleston, and

$6 million in recurring PCS savings. It should be noted that COBRA algorithms focus on changes in costs and savings associated with a realignment or closure action, and consequently do not separately identify all BOS costs at New London. Costs of continued operation of NNPTC at Orlando were not a part of our COBRA analysis, nor were they ever analyzed as a part of the deliberative decision-making process of the BSEC. The NNPTC redirect decision was based solely on the reduced up-front costs and resulting recurring savings associated with operation of NNPTC at Charleston instead of New London.

During the BSEC deliberations of 19 December 1994, once the BSEC had analyzed the return on investment data for the redirect of NNPTC, a reference was made to the fact that an internal Navy analysis (which was not based on certified data, and was not used in the BSEC's evaluation process) had estimated that costs of continued operation of NNPTC at Orlando could be expected to cost at least $21 million per year. The BSEC noted that COBRA algorithms derive an estimate of $11.5 million in base operating support costs for NNPTC at WPNSTA Charleston. This $9.5 million difference in operating costs plus $6.2 million in annual PCS savings equates to over $15 million a year in savings over the purported costs of operation at Orlando. It must be stressed, however, that this statement was made simply as an observation, and that the BSEC's decision regarding NNPTC was based solely on the certified data associated with the analysis of relocation to Charleston instead of New London.

As noted above, BOS costs for the NNPTC at WPNSTA Charleston are estimated at $11.5 million per year. Initial BOS costs estimates for WPNSTA Charleston are artificially high since they were calculated in part based on sophisticated technical activity operating costs (Inservice Emergency Activity) in the Charleston area. While no adjustment was made at the time, the BSEC recognized that these costs in WPNSTA Charleston were overstated in the initial COBRA scenario run and could be improved upon with further evaluation. BOS costs for the NNPTC at SUBASE New London, as estimated by COBRA algorithms, are approximately $10.5 million per year. At your request, even though this data was not used in our analysis, we are obtaining BOS cost estimates for the NNPTC at NTC Orlando, as well as the PCS cost data you requested.

Q16. In the "Report of BSEC Deliberations on 19 December 1994," NNPTC MILCON requirements state that $162.5 million worth of projects would be required to relocate Orlando to New London. These figures do not include MILCON for student parking at New London. I have seen reports that the student parking project, Project Number 500, could cost as much as $17 million. Why was this figure excluded from the chart found in the deliberations of 19 December 1994? If you failed to include them in the estimation of costs to move to New London, have they been excluded from the estimation of costs in moving to Charleston? If not, how does the Navy plan to address the parking needs of

the students attending Nuclear Power School?

A16. The $17 million for the student parking garage is included in Project P-444 which is part of the $162.5 million in military construction (MILCON) at New London. Project P-500, which is Phase II of P-444, is bachelor enlisted quarters (BEQ) construction only and is also included in the $162.5 million. Parking lots for students and staff are included in the $144 million MILCON cost for relocating to Charleston.

Q17. In the "Report of BSEC Deliberations on 19 December 1994," NNPTC MILCON requirements state that $162.5 million worth of projects would be required to relocate Orlando to New London. These figures do not include unitemized additional facilities, equipment, and personnel relocation expenses associated with the relocation to New London. It is my understanding that these unitemized expenses could cost as much as $40 million. Why was this figure excluded from the chart found in the deliberations of 19 December 1994? If you failed to include them in the estimation of costs to move to New London, have they been excluded from the estimation of costs in moving to Charleston?

A17. The costs referred to relate to costs associated with moving personnel and equipment. Our BRAC-95 analysis looked at changes in cost which would occur if NNPTC were relocated to Charleston instead of New London. Moving costs out of Orlando were analyzed in the BRAC-93 COBRA analysis, and were assumed to be roughly equivalent for relocation to Charleston instead of New London. Accordingly, these "unitemized costs" were not considered in the BRAC-95 redirect to Charleston. However, in execution, relocating to Charleston should be less than for New London because of reduced mileage from NTC Orlando.

Q18. I am concerned that the true reason for the development and utilization of the COBRA model has been lost in the detail of the BRAC process. For instance, based on the data that is available to me, the total costs associated with moving Nuclear Power to New London have now increased to at least $225 million. Furthermore, it is my understanding that the recurring annual costs for operation of the Nuclear Power School at New London were approximately $15.7 million, compared to the $21 million associated with leaving the facility in Orlando. With a cost savings of only $5.3 million annually and expenses reaching the $225 million mark, the real return on investment of this project is approximately 42 years -not the 9 years cited in the 1993 BRAC report.

Since the move of the Nuclear Power School has not yet begun, a true analysis and comparison of the costs and savings associated with BRAC 95 actions dictate that the COBRA regarding the move to Charleston not include cost avoidances in New London. This simply masks the true costs associated with any relocation of the Nuclear Power School. As it has been presented, MILCON of $147

million to move Orlando to Charleston will have a return on investment of one year. With a cost savings of only $5.3 million annually, I conclude that the real return on investment is 27 or more years.

In an effort to better understand you accounting methods, can you please explain why the cost avoidance of projects in New London were included in your analysis of the move to Charleston.

A18. The decision from the 1993 round of base realignment and closure to close NTC Orlando and NTC San Diego, was estimated to result in annual savings of $76 million and a return on investment in one year. By law, as part of this decision, we are currently required to move the NNPTC to New London. Since the redirect of NNPTC to Charleston will result in the elimination of construction costs associated with the currently mandated move to New London, it is appropriate to include these cost avoidances in the Charleston scenario.

Q19. The Nuclear Power School in Orlando currently has 320,000 square feet of space for academic use. According to materials in the BRAC library, your plans call for the construction of 243,000 square feet in Charleston for training use. Can you please explain why the Navy plans to decrease this space by nearly 100,000 square feet. What are the current capacities, future requirements, and excesses of the Nuclear Power School facilities located in Orlando. In answering this question, please project future requirements for the next five years, ten years, and twenty years.

A19. By law, we can only consider the force structure in fiscal year (FY) 2001, the last year of the Department of Defense's Future Year Defense Plan. There is no basis under the base realignment and closure process for consideration of future requirements beyond FY 2001. The FY 2001 force structure will be significantly smaller than the current force structure. Accordingly, the amount of training space necessary to satisfy future requirements will be proportionately smaller. The Naval Sea Systems Command (NAVSEA) identified the Navy's FY 2001 NNPTC training facility requirement to be 243,000 square feet. Maintaining excess capacity is a significant cost burden to the Department, since we cannot allow our facilities to fall into disrepair. In our analysis, we have built to meet force structure requirements through FY 2001. If, in the future, circumstances would require an expansion in capability, then we can acquire it. However, we will not maintain excess, unnecessary facilities, and continue to bear the burden of costs for utilities, security, maintenance and repair, etc.

Q20. Based on the COBRA data used to conclude that Nuclear Power School should be redirected to Charleston, $147 million of MILCON money must be spent. Is this the total cost of MILCON at Charleston necessary to house the Nuclear Power School? Does the

cost include all housing needs created by the move to Charleston? Does the proposal to move to Charleston incorporate any facilities at the Naval Air Station, including housing, in Charleston? If so, please list those facilities. Does the proposal call for the renovation or rehabilitation of any existing facilities. If so, please list those facilities and the current host Command. In identifying any of the buildings in these questions, please utilize building numbers.

A20. The $147 million includes the total cost of MILCON at WPNSTA Charleston, including housing. None of the Weapons Station's facilities will be renovated; however, the fire station (building number 783) will be expanded. No facilities at the former Naval Station, Charleston, are included in the proposal.

Q23. If the areas that are being proposed for construction are currently unused parcels, is the area currently served by existing utilities or would utilities need to be provided? What are the estimated costs of providing such utilities to this site? Have these costs been included in the COBRA model?

A23. Utilities for the proposed construction site run adjacent to one side of the property. COBRA algorithms include a 24% mark-up to the construction costs to account for associated utilities.

Q25. It would appear that creating a contonement area for Nuclear Power School in Orlando would generate a great deal of cost savings. Did the Navy run a COBRA on leaving the schools in their current location? If so, please provide my office with those results.

A25. We did not consider any scenarios in which NTC Orlando would be reopened. Accordingly, no such COBRA analysis was conducted.

Q26. Please cite any reasons, including all pertinent data supporting those reasons, regarding the Navy's objections to fully operate the Nuclear Power School in a "contonement" setting in Orlando - other than the "philosophical" objections raised by the BSEC.

A26. The Department of the Navy's approach was not to reopen facilities approved for closure in previous rounds of base realignment and closure.

Q27. Nuclear Power School Orlando represents approximately 10% of the entire land mass of what was once known as the NTC Orlando. The facility has an AOB of 2,653 and a permanent staff of 512 authorized personnel compared to the 15,000 employees of the installation when the base was fully operational.

In an attempt to understand the BSEC objections to save millions of dollars by maintaining the facility in its present location and avoid reconstructing nuclear power school in its entirety elsewhere, please explain how the creation of a "contonement" area around the nuclear school campus is considered the "reopening of a closing base?"

A27. The intent of the base realignment and closure process is to reduce infrastructure by eliminating excess capacity. Complete closure of bases is the most economical way to accomplish this, for only by closure can the overhead and personnel costs incurred to maintain an installation, be totally eliminated and thereby result in savings. Creation of a cantonment area for the nuclear school campus would result in a significant recurring cost burden to the taxpayer to maintain the necessary infrastructure to support the NNPTC, i.e., Public Works, Security, Chapel, Exchange facilities, MWR facilities, and a Family Services Center. This is why we did not support retention of NNPTC on NTC Orlando property.

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950514-9 BRIC

FROM: MELLON, NANCY	TO: THOMPSON, SYLVIA
TITLE:	TITLE:
ORGANIZATION: CONCERNED TAXPAYERS OF CENT. FL.	ORGANIZATION: DBCRC
INSTALLATION (s) DISCUSSED: ORLANDO NAVAL TRAINING CENTER	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR./CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE			
DIR./COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER	✓		
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES				SYLVIA THOMPSON	✓		

TYPE OF ACTION REQUIRED

	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

FORWARDING COMMENTS ON 1993 DECISION TO CLOSE CENTER.

Due Date: 950521	Routing Date: 950514	Date Originated: 950425	Mail Date:

CONCERNED TAXPAYERS OF CENTRAL FLORIDA
3239 Middlesex Road
Orlando, FL 32803
(407) 898-9396

April 25, 1995

Ms. Sylvia Davis Thompson
1700 N. Moore Street
Suite 1425
Arlington, VA 11109

Dear Ms. Thompson:

Thank you for your efforts with regard to base closures. I saw you on C-Span and was very hopeful given the quality of questions you asked of the GAO and the staffers. I hope you will follow your instincts and the GAO's recommendations rather than the staffers who, again, appear to be making facts fit desires.

Several questions were asked with regard to the outcome of previous BRAC decisions. As no answers were available, may I offer the following with regard to the 1993 decision to close the Orlando Naval Training Center (ONTC) and move all Recruit Training and the Service School Command to Great Lakes Training Center (GLTC).

1) ONTC could have absorbed all recruit training and the Service School Command with a less than $25 million outlay. GLTC has already spent over $200 million, still cannot receive the mission and hasn't begun building a required new hospital. All future building will be impeded by sewer system problems which have long plagued the area. The 1991 Commission was told the sewage capacity was maxed out. This has come to pass.

2) The utility bill at GLTC is greater than the entire operating cost of ONTC.

3) Florida's weather provides for year round training at ONTC compared to recruits being held back due to inclement weather at GLTC. This prevents timely moves from boot camp to other training,costing additional money and causing morale problems.

4) Across the board the building and facilities at ONTC are newer and more modern than those at GLTC. ONTC's buildings are 100% usable across the Board. GLTC's are not even close.

5) The enhanced facility the Navy is touting in its request to move the Nuclear Power Schools (NNPP) to Charleston, S.C. is already available at ONTC. It was an even better facility when the recruit graduates walked across the street to the Power Schools, could have attended prototype at subs moored at Port Canaveral and then continued on to the fleet. The possible move to Charleston will cost a conservative $150 million and place these students on a remote weapons station.

6) The BRAC law criteria for base closure is military usefulness, operational costs, projected savings, economic and environmental impact. All were apparently ignored in the decision to close ONTC.

Finally, ONTC tops the dream sheets of desired duty stations by students, staff and their families. The DOD's request for $2.4 billion to improve the quality of life for our active duty service men and women flies in the face of duty stations selected to remain open.

Dear Recruit,

Less than a year ago we could have offered you a trip to sunny Florida, the number one tourist destination in the world. You would have been completely integrated into stable, desirable neighborhoods and begun your military career within walking distance of malls, movie theatres, parks and other safe, family entertainment. Your families could have come to see you graduate (as many others have done) and visited Disney World, Epcot Center and other area attractions. You could have trained in what the Navy touts as, **"one of the most modern facilities in the world."**

Unfortunately, we must now send you to the frozen tundra of Great Lakes, Illinois where many of you will live in hotels and use port-o-lets. The power school students will be shipped to the boonies of a South Carolina Weapons station where they will be totally isolated from the community and live in fear of improperly using a CB radio and blowing up half the state. The Service School Command overflow will be sent to a closed base in Memphis,Tennessee.

Because we have wasted so much money rebuilding a shrine to days gone by in Great Lakes (after wasting even more money building brand new facilities in Orlando), many of you will find your new duty stations substandard and in locations you would not want to visit, much less live.

We will have to spend even more money recruiting and training you only to have you leave after one tour of duty due to the above mentioned. Oh well, welcome to the military!

Keep asking your questions. Taxpayers across the country are doing the same.

With Very Best Wishes,

Nancy Mellon

Enclosures

cc: select members of Congress
others involved in base closure issues

CONCERNED TAXPAYERS OF CENTRAL FLORIDA
3239 Middlesex Road
Orlando, FL 32803
(407) 898-9396

March 23, 1995

Robert B. Pirie, Jr.
Department of the Navy
The Assistant Secretary of the Navy
(Installations and Environment)
1000 Navy Pentagon
Washington, D.C. 20350-1000

RE: Orlando Naval Training Center

Dear Mr. Pirie:

Thank you for your letter of March 9, 1995. As you did not identify your position, I will refer my comments to you and convey appreciation to the Secretaries of Defense and the Navy. I realize that their busy schedules do not allow them the luxury to delve into all issues within their offices.

You stated that the Navy's recommendations for closure of Orlando Naval Training Center (ONTC) were based on "a careful, in-depth, and objective review". You continue that you share our concerns regarding the cost-effectiveness of base closure and realignment actions mentioning a recommended move of The Nuclear Power Schools (NNPP) to Charleston, S.C., citing DOD policy excluding reassessment of previous closure decisions and finishing with the statement that complete closure is the most economical way to result in savings.

I would like to comment on each statement. Your first is **not** supported by the United States General Accounting Office (GAO) who prepared a report of over 100 pages much of which criticized the Navy's recommendations, to wit:

"Because the Navy's process stressed the reduction of excess capacity there [illegible]es where a base was recommended for closure, even though its military value was [illegible]er than bases that remained open". In a Navy paper entitled "DOD BRAC '9[illegible]cal Approach" the Navy stated that "It is not practical to measure the costs [illegible]on for installations and therefore **cost savings were not considered by the Navy".**

The GAO continues with "although the Naval Audit services validated the accuracy of data submitted by the bases, they failed to review answers provided by each base to ensure all facilities were answering questions following similar guidelines and that, **judgements and assumptions made by senior military and civilian officials were a substantial part of the process".**

With regard to Orlando Naval Training Center, the GAO criticized the Navy for failing to take into account that **"per capita overhead costs are much higher at Great Lakes"** and further that **the Navy did not run alternative case scenarios involving Great Lakes.** Congressman Bill McCollum added that the Navy failed to answer questions as late as June 25, 1993 and that many questions, the Navy simply refused to answer. He further criticized that the BRAC Commission was never shown the very small savings from closing ONTC and its Hospital or that the savings from closing NTC Great Lakes and its hospital **would be twice as much.** A review of the tape of the hearing clearly indicates this false impression. The GAO concludes that **"as a general rule the Navy did not attempt to optimize costs and savings..."** This led them to recommend to the BRAC 1995 Commission that they closely analyze those Navy recommendations where "an alternative scenario would have produced approximately the same amount of excess capacity reduction and military value, but cost and savings were not analyzed".

Tom Houston, 1993 Base Closure and Realignment Commission spokesperson said, "our top priority is keeping bases with the highest military value. Our second is annual cost savings". It is clear the Navy failed on both counts.

Your statement that DOD policy does not allow for previous BRAC decisions to be reviewed is false. The BRAC law clearly states in paragraph 3 (a) "in considering military installations for closure or realignment, the Secretary shall consider all military installations inside the United States equally without regard to whether the installation has been previously considered or proposed for closure or realignment by the Department". This indicates that its drafters were bright enough to allow for a review of previous decisions given the monumental task of base closure and thus allow for trial and error so that redirects could be accomplished in the interest of savings and military readiness. The GAO supports this in a lengthy discussion of how BRAC 1995 decisions will be readdressed if there are not more BRAC Commissions.

Also, how do you explain the DOD's request to keep Armstrong Laboratory in Mesa, Arizona rather than move it to Orlando as was ordered by a BRAC 1991 decision? Is there more than one DOD? Does DOD policy pertain **only** to ONTC? Should I cite other examples?

The request to move the NNPP schools from ONTC to Charleston, S.C. is purely political. You make much of the savings in not relocating these schools to Groton, Connecticut, but fail to mention that it costs nothing to leave them at ONTC. (The same is true of moving the Service School Command from ONTC to Great Lakes, Illinois).

You explain that this move would provide an enhanced facility by having the schools near the prototype. What you fail to mention is that the schools would have to be **rebuilt** on a Weapons Station, would require electromagnetic and explosive safety distance reviews due to the existing weapons on the site, and most Power School students go to a prototype in Ballston, New York where there are three large land based reactors.

You also fail to mention that the Charleston prototype is nothing more than two rebuilt bolistic submarines which could just as easily be moored at Port Canaveral, Florida a less than forty five minute drive from the existing Power Schools at ONTC. This would be in line with current prototype training in Idaho where students live in Idaho Falls and make a fifty minute drive to the prototype and a similar drive to the prototype in Ballston, N.Y.

Finally "your complete closure" argument applies to Charleston, S.C the same as ONTC, does it not? In addition to the enormous building costs, the relocated Power Schools would have a higher overhead to operate in Charleston and would require the same staff. So where are the savings?

The number one goal of the Secretary of Defense and the Secretary of the Navy should be national security. With ever increasing budget constraints, this goal will not be met if money continues to be wasted.

The United States Navy did not become the greatest Navy in the world nor acquire the calibre of leadership it possesses by being foolish. No one should expect the taxpaying public to believe that money is being saved and military value enhanced by closing brand new bases and rebuilding those same facilities on other bases. To quote Tillie Fowler, a member of the House Armed Services subcommittee, "It has to give you pause when you see one base shut down and moved to another base that's older and not as well equipped".

Unfortunately at this point in base closure, neither the press nor our elected officials bother to veil their influence on these decisions. To the credit of the American taxpayer most of those officials lost their re-election bids. The mid-term election stressed the need for change. Many of our elected officials are working toward that change and we applaud them. Voters are disgusted that each time an administration changes, we go through an "everyone on the right move to the left and everyone on the left move to the right". They are equally tired of each time the Chairperson of a strategic committee changes, bases are moved to their district.

It is reprehensible to force the military to justify these moves. The military's goal is combat readiness coupled with the welfare of our service men and women. Both are being compromised by forcing our militaries into "make work" situations in order to appease a powerful chair. As taxpayers, we demand that this stop.

With Very Best Wishes,

Nancy Mellon

cc: select members of Congress
others involved in base closure issues

April 12, 1995

Ms. Jean Norman
Managing Editor
Navy Times
6883 Commercial Drive
Springfield, VA 22159

Dear Jean,

Thanks so much for the very nice phone conversation. In reading the Navy Times, it is apparent you share my concerns for our active duty service men and women. Too many of us not actively involved with the militaries forget those to whom we owe so much. Your efforts to keep us informed on a more personal level are greatly appreciated.

As I mentioned to you I would like you to follow-up on the impact of base closures on our service personnel. The facility of which I have the most knowledge is the Orlando Naval Training Center (ONTC) in Orlando, Florida. All recruit training as well as the service school commands are being moved to Great Lakes, Illinois (GL).

Some of the concerns of GL receiving these missions are:

1. A building moratorium due to the polluting of Lake Michigan which will impede building requirements.
2. Sewer system problems which have long plagued GL forcing sewage to be kept on the base. How will this impact troop health as well as regional impacts?
3. Recruits staying in hotels and using port-o-lets due to a lack of facilities.
4. Messing capacity problems requiring long hours and delays in returning to assignments and training.
5. Attrition rate, especially among female recruits.
6. Most staffers have refused to take their families to GL due to the weather and the problems with the North Chicago school system.
7. Requests made to send recruits back through ONTC due to overburdens.
8. Service school students being sent to a closed base in Memphis, TN due to overburdens.
9. NTC Orlando was the only training center designed and built to train female recruits. How are they being impacted?
10. Recruiters facing added problems given the only boot camp is at frigid GL.
11. Recruits being held back due to inclement weather costing additional tax dollars as well as lowering morale.

The Service School problems are particularly ironic given that these facilities were recently built when they were to be consolidated at ONTC, costing hundreds of millions of dollars, and now sitting empty.

Recently Senator Strom Thurmond of South Carolina has requested moving the Nuclear Power Schools (NNPP) from ONTC to a weapons station in Charleston, S.C. This request was

supported by the DOD under the premise of an enhanced facility saving travel time by having the schools located near a prototype where the students go after power school for additional training. The fact is that most of the power school students attend a prototype in Ballston, N.Y. where there are three large, landbased reactors whereas the Charleston prototype is nothing more than a reworked submarine which could just as easily be moored at Port Canaveral, Florida, a less than 45 minute drive from the existing power schools at ONTC.

The Navy estimates the new facility in Charleston would cost, conservatively, over $150 million dollars to rebuild. Once again, the active duty personnel seem to have been forgotten.

The Power Schools at ONTC are nearly encircled by residential housing with the balance being one of the nicest malls, movie theatres, restaurants and other forms of entertainment for these students. ONTC is a short drive to the beaches, a 20 minute drive to the Walt Disney World attractions, and less than 10 minutes to downtown Orlando's entertainment complex which includes Church Street Station. Our community has embraced the military and their families and a very large number of Homeowner Association Presidents have united in support of keeping the Power Schools in our community.

Compare this to the remote weapons station proposed in Charleston, S.C. The students would be very restricted in movement due to the nature of a weapons station. Electromagnetic and explosive safety distance reviews would be required due to the inherent danger of these weapons, and the students would be far removed from any type of entertainment or community involvement.

You are probably more aware than I, Jean, but these power school students are highly prized by the Navy. They are given special treatment, higher pay, more rapid advancement, re-enlistment bonuses, etc. This is certainly an interesting twist when you compare it to the apparent lack of desireable duty station location. The 2.4 billion dollar request by the Department of Defense to improve the quality of life for our service personnel seems to fly in the face of the apparent lack of considering them when making these decisions. In order to retain these expensively trained men and women should we not be considering their well being as opposed to appeasing a powerful Congressional Committee chair?

Thanks again for your excellent publication and your dedication to those who serve our country. If I can help in any way with these articles, please don't hesitate to contact me.

Sincerely,

Nancy Mellon
3239 Middlesex Road
Orlando, Fl 32803
(407) 898-9396

THIS IS STILL TRUE TODAY.

In 1991, the Orlando Naval Training Center was placed on the closure list by the Secretary of Defense. Throughout the process that ensued, the local effort in Orlando, led by Congressman Bill McCollum, was able to criticize and review the Navy's process. Eventually, the Defense Base Closure and Realignment Commission (the "Commission") concurred with the local effort and removed the Orlando facility from the list of bases to be closed or realigned. The Commission stated that the Secretary deviated from criteria 3 and 5 by "not considering the significant surge capacity as required for mobilization and by overestimating return on investment."

EXCERPT FROM THE GAO REPORT.

Training Centers

The capacity analysis for naval training centers focused on the numbers of personnel that could be trained using training, messing, and berthing facilities as indicators. Each training center provided data on maximum capacity for the indicators, and after comparing it to 1999 requirements, the Navy determined that excess capacity existed. The Navy developed 72 questions to derive military value scores. The questions were developed by the Navy in consultation with technical experts.

We reviewed the Navy's configuration analysis which resulted in the recommendation to close the Naval Training Centers at San Diego; California; and Orlando, Florida, and retain the Naval Training Center at Great Lakes, Illinois. The Great Lakes facility had the most capacity of any training center, particularly for trainers. In addition, the Navy indicated that the unique training equipment and facilities located at Great Lakes would be most difficult and costly to relocate or replicate at another training center. When reviewing the cost and savings data supporting this decision, we noted that the per-capita overhead costs are much higher at Great Lakes than at the other two facilities. In this case the Navy did not run alternative cost scenarios involving Great Lakes.

THE ABOVE MENTIONED "UNIQUE TRAINING EQUIPMENT AND FACILITIES" HAVE SINCE BEEN SHUT DOWN AND GONE TO SIMULATION AS CONGRESSMAN MCOLLLUM SAID SHOULD BE (OR WOULD BE) DONE AT THE 1993 HEARINGS.

MEMORANDUM FOR COMMANDER, NAVAL TRAINING CENTER, ORLANDO

Date: 20 July 1993

Subj: SITREP I - NTC ORLANDO TRANSITION TEAM VISIT TO NTC GREAT LAKES

- A.M.: Spent with RTC personnel discussing NTC Orlando projected RTC phased shutdown plan, CNTT proposed RTC consolidation plan and NTC Great Lakes draft. Consolidated Plan (enclosure (1)) is first draft agreed to by all present. [CAPT Whitmire, GL Transition Coordinator and CO, SSC GL; CAPT King, CO, RTC GL]

- Major Issues Discussed:

  (1) Galley 928 major rehab required, $15.3M, est completion date Aug 95. Currently GL feeding 5,500 personnel with only 30 MS's. [Orlando feeds 5,500 with 60 MS's.] 60 is standard manning for galley this size. When recruit loading increases to 10,000 in Nov 94, the average feeding time per meal will exceed 240 minutes. No flexibility exists if problems with equipment/manning occur. Cold storage facility will not be complete until Dec 95. GL Plan is rental of chilled/freezer vans at est $300K per year.

  (2) Manning Requirements: CNTT directive to man-up in Jan 94 is late to provide recruit training at increased levels. CNTT has not addressed staff support billets (i.e., PSD, Supply-Clothing, Galley, other support units). GL needs immediate CNET/CNTT support to increase personnel billets.

  (3) Barracks - Female Berthing: Exact berthing plan to be decided by CNET next week (i.e., 2 Barracks with 100% females or 15 Barracks with 2 compartments per barracks for females). Projected completion date for upgrade of barracks is May 94 or later.

  (4) Medical In-processing Facilities for Females: Remains uncertain. Current projected cost is $4.1M with a completion date of Jun 96. RTC GL believes a workaround is feasible.

  (5) Female Clothing Issue Area: Another workaround project est cost is $386K and this is not finalized. Completion date unknown.

(6) AT Training: Final command (RTC vs. SSC) undecided. Likewise, location of Airman, Seaman and Fireman training. If Airman remains at GL, an additional 2 Barracks at a cost of $21M is required (not included in BRAC).

(7) RTC Dental: Decided today a new facility is required at a cost of $9M (not included in BRAC).

(8) Recruit Training: Female pilot course recommended by CNTT to commence Apr 94 and all females in Jun 94 was considered to be too early. RTC GL recommend Jul 94 for pilot program and 1 Oct 94 for all accessions, male and female. This delay would alleviate or ease the following concerns:

- Barracks - female berthing rehab
- Manning - staff/support
- Uniform issue area difficulties
- May help medical in-processing
- Would assist in identifying, receiving and training additional female company commanders

- Overall discussions were open. [redacted] timeline, enclosure (1), is based on CNET providing start-up funding now and BRAC funding becoming available in October timeframe. Enclosure (2) was briefed to CNET this morning. Enclosure (3) is SOUTHDIV's MILCON projects (not complete).

CAPT Smith sends

WHAT IS BLACKED OUT SAYS, "MY SURPRISE WAS THE CONSTANT ADDITIONAL FUNDING REQUIRED TO SUPPORT RTC GL".

Changes to Initial Migration Plan

- RTC
  - Accelerate Orlando Move to Great Lakes
  - Female Integration into 15 vice 2 Barracks
    - [redacted]
  - Airman Apprentice Training Remains at Great Lakes
    - [redacted]
    - [redacted]
  - Accelerating PWC Work Around for Female Facilities
    - Partition Inprocessing Areas
    - Partition Physical Exam areas
    - Provide Female Clothing Issue Area
    - [redacted]
  - [redacted]
    - BUMED Requirement to Relocate Orlando Assets to GLakes
    - [redacted]
    - A/E Firm Selected to Establish Facility Requirements

Changes to Initial Migration Plan

- Cargo Elevator Trainer
  - 4 Story Enclosed TTE and Classroom
  - 2300 Sq Ft, Throughput - 126
  - ~~$2.6 Mil, RFT June '96~~
- Radiac
  - Currently in TI - Source Permit expires '94
  - Interim move to Orlando - Permits completed
  - ~~New construction of 1,500 Sq Ft facility~~
  - RFT @ Great Lakes Oct '95
- "C" ~~School/Permanent Party~~ Barracks
  - 11th Hour facilities finding
  - 640 Bunks (380 "C" / 260 P/P)
  - ~~$30 Mil, [illegible] New Criteria~~
  - Site at 230 Complex Location

Progress to Date

- Design -- 2%
  - 4 A/E Firms selected, award not funded
  - Facility Review Scheduled
- Construction -- 1%
  - Self-Help / PWC Great Lakes work at SSC / RTC
  - PWC Job Scope completed
- NEPA -- 1%
  - A/E Firm Selected and Funded
- Project Management Coordination - 5%
  - Preliminary Facility Phasing Plan Established
  - ET / HT Coordination meeting conducted
  - RTC Orlando, QM, SM, TM, Radiac Coord meeting in Progress
  - NEPA Planning survey complete

Critical Path Issues

- ET "A" School Move to Bldg 621
  - SYSCOM / TPC Orlando & Great Lakes in Agreement
  - Time Line to Accomplish Grad of 1st class in Dec 94
  - Phase 1 Contract Instruction Remains in Orlando until 1 Oct 1994
  - Throughput increase from 892 to 1608 programmed
- HT "C" School Collocation to Bldg 520
  - [redacted]
  - EPA - EIS / Categorical Exclusion in Process
  - BRAC II / BRAC III Commingling of Funds Anticipated
  - RFT to Coincide with HT "A" Closure Schedule Phily (SEPT 95)

TEL 688-5738 0000 LRCMSO GLAKES Jul 20 '93 17:19

Cause and Effect

- Acceleration of RTC / ET / HT Projects Requires Up Front FY 98 Design and Construction Money
- Changes in Scope of Projects at Great Lakes Adds a Two Barracks Requirement
  - "A" School and "C" / Permanent Party
- Throughput Increases Affect Staffing, Barracks and Housing
  - ET / HT - 866 Students plus Staff
  - Airman Apprentice / CT / EW - 800 Students plus Staff

Conclusions

- Accelerate University Concept / Core and Strand
  - Economy of Scale Saves Design and Construction $'s
- Review TM "C" Requirements
  - Eliminate 3rd MK 50 Light Weight Torpedo Facility
  - Locate TM "C" Schools at Costal Depot / SIMA's
- Accelerate Year End Dollars to Design Coffers
  - HT "A" and ET "A"
  - Facility Requirements Documentation for 1391's
- Hold the Line on Scope Changes
  - CNET Control and Approve

Summary

- ET "A"/"C" School:
  - $660,000 construction dollars to fund PWC GLAKES for Bldg's 621, 616, 221, 236, & 90 for minor rehab to accelerate SYSCOM installation of TTE (Overdue)
  - Personnel required by SSC GLAKES to effect course start up on schedule:
    - Reestablish 230 E4-E9 instructor/staff billets at Great Lakes no later than 1 Sept 93

- HT "C" School
  - $75,000 design dollars to fund redesign of Bldg 520 for concurrent construction with HT "A" project (15 Aug 93)

ADVANCE COPY

FROM D SCHWEITZER 203 449 3841 FAX 5180

ndenbaum
Analyst

703 696-5561
703 696-6550 (Fax)

BASE CLOSURE III
BASE REALIGNMENT AND CLOSURE (1993 COMMISSION)
FINANCIAL SUMMARY - EXCERPT, BRACON PROJECTS ONLY
($000)

ONE TIME COSTS	PROJECT COST ESTIMATE BY SOUR[illegible]					CURRENT	AMOUNT FUNDED	IF NOR 2905 2/
	COBRA	PRP OR 1391 DOC	SCHEM. DESIGN	35% DESIGN DEVLPMT				
NEW LONDON MILCON								
PSA/PSI (P-447)	$890	$2,424	N/A	$2,160	$2,185	$2,185	$2,424	2,185
CLINIC (P-307)	$6,000	$6,000	$6,000	$6,000		$6,000	$6,000	6,000
RELOC ADMIN (P-432)	$4,600	$5,500				$5,500	$4,600	5,500
BARRACKS (P-444)	$58,500	$76,735	$112,258	$111,283		$111,283	$104,030	97,000
BEQ PARKING ALSO P-444	N/A	$22,400	$14,100			14,100		8,600
GALLERY (P-445)	$7,500	$7,000	$8,095	$7,774		$7,774	$7,240	7,774
PARK STRUCTURE (P-446)	$4,500	$5,372				$5,372	$4,500	5,372
BLDG 83/84 (P-448)	$4,600	$13,400	$13,120	$12,731		$12,731	$13,400	12,731
BLDG 426/437 (P-449)	$2,400	$8,100	N/A	$8,566		$8,566	$2,400	8,566
UPGRADE PHONES (P-450)	$1,120	$1,390	$1,302	$1,230		$1,230	$1,250	1,230
BLDG 499 (P-451)	$1,000	$17,478	$17,467	$17,799		$17,799	$16,700	14,000
GRAND TOTAL[1]	$91,110	$155,999	$193,938	$192,518	$192,540	$192,540	$162,544	168,958

[1] Note: GRAND TOTAL figures include the most recent figure for each project. For example, the GRAND TOTAL for the SCHEM. DESIGN column contains the PRP project figure for P-447, P-432, and P-446 since no new figure is shown in the SCHEM. DESIGN column itself

2/ DESIGN FEE INCREASE FOR REVISION ~ $750,000.00 (750k)

As of ... 28 Apr 95

FAX FROM D. SCHWEITZER AW NEW LONDON TO SOUTH DIV. — SOUTHDIV
FAX TO DRMC 5 MAY 95

UNCLASSIFIED
FACSIMILE COVER SHEET

FROM: JAMES E. EIMES
NAVAL REACTORS
(703) 603-6007/6008
FAX #: (703) 603-5377

TO: E. Lindenbaum

FAX #: 703 696 0550

CONFIRMATION #: (703) 603-6007/6008
(703) 602-1689/1695

THIS FAX CONSISTS OF 3 PAGES INCLUDING THIS SHEET

COMMENTS:

Per your request

___ PLEASE PHONE UPON RECEIPT OF THIS FAX

___ PLEASE PHONE IF COPY RECEIVED IS NOT CLEAR

UNCLASSIFIED

DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
WASHINGTON, DC 20350-2000

IN REPLY REFER TO

Ser NOONB-5U0003
13 March 1995

From: Deputy Director, Naval Nuclear Propulsion
To: Chief of Naval Education and Training

Subj: CONTINUED BUDGET SUPPORT FOR THE NUCLEAR SCHOOLS IN ORLANDO, FLORIDA

1. The DOD in BRAC 95 recommended the Naval Nuclear Power Training Command (NNPTC) be redirected to the Charleston Weapons Station. If approved, actual work for the redirect would likely start in FY 96; therefore, departure of NNPTC from Orlando will probably be delayed from current plans. Preliminarily, the final departure could be as late as the middle of 2000.

2. A delay in the departure of NNPTC will result in Orlando staying operational longer than currently scheduled. This is not reflected in the budget. Given BRAC 95, CNET should plan on Orlando remaining operational through most of FY 2000. The annual funding required to operate NNPTC in Orlando was studied extensively this past summer. CNET certified the annual funding required at about $19.3M. This level of funding should be adequate to support the services required by NNPTC as documented in the Memorandum Of Agreement between the Naval Nuclear Propulsion Program and CNET dated 1 December 1993.

3. CNET is requested to inform the undersigned when provision has been made in CNET's Future Year Defense Plan for operating NNPTC in Orlando through FY 2000.

4. If the NNPTC move is redirected to the Charleston Weapons Station as recommended, doing so promptly is in the best interest of CNET and the Naval Nuclear Propulsion Program. Consequently, our mutual goal should be to accelerate departure from Orlando as funding and construction allow.

C. H. Schmitt

Copy to:
CO, NNPTC
CO, NTC, Orlando
N87
N88
N8

FAX PROVIDED BY MR ELMES (NAVSEA 08) 18APR 95

CALCULATION OF PCS SAVINGS FROM NNPTC REDIRECT

ENLISTED

Start NPTU	FY	# Single	# Married	
1,780	← 2001	1,602	178	← 90% SINGLE, 10% MARRIED
		801	89	← # ATTENDING EACH LOCATION (50%)

From	To	Single	Married	Cost Single	Cost Married	Total	Difference
Charleston	NY	$482	$3,238	$386,082	$288,182	$674,264	
							$292,098
NLON	NY	$256	$2,440	$205,056	$217,160		
NLON	Charleston	$370	$2,784	$296,370	$247,776	$966,362	

OFFICERS

Start NPTU	FY	# Single	# Married	
405	← 2001	324	81	← 80% SINGLE, 20% MARRIED
		162	41	← # ATTENDING EACH LOCATION (50%)

From	To	Single	Married	Cost Single	Cost Married	Total	Difference
Charleston	NY	$1,695	$4,277	$274,590	$173,219	$447,809	
							$245,309
NLON	NY	$1,242	$3,102	$201,204	$125,631		
NLON	Charleston	$1,363	$3,592	$220,806	$145,476	$693,117	

Cost #'s came from BuPERS

TOTAL DIFFERENCE $537,407

PROVIDED BY FAX BY MR EIMES (NAVSEA 08) 18 APR 95 VIA FAX

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

ERIC

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950602-8

FROM: THURMOND, STROM	TO: DIXON
TITLE: SENATOR (SC)	TITLE: CHAIRMAN
ORGANIZATION: U.S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION (s) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR./CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE	✓		
DIR./COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER		X	
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

✓	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

SUPPORTING DECISION TO MOVE THE NAVY NUCLEAR POWER PROPULSION TRAINING COMMAND TO CHARLESTON

Due Date: 950606	Routing Date: 950602	Date Originated: 950519	Mail Date:

STROM THURMOND, SOUTH CAROLINA, CHAIRMAN

JOHN W. WARNER, VIRGINIA
WILLIAM S. COHEN, MAINE
JOHN McCAIN, ARIZONA
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RICHARD L. REYNARD, STAFF DIRECTOR
ARNOLD L. PUNARO, STAFF DIRECTOR FOR THE MINORITY

United States Senate

COMMITTEE ON ARMED SERVICES
WASHINGTON, DC 20510-6050

May 19, 1995

Please refer to this number when responding 950602-8

Honorable Alan J. Dixon
Chairman
Base Closure and Realignment Commission
1700 North Moore Street, Suite 1425
Arlington, Virginia 22209

Dear Alan:

The 1993 Base Realignment and Closure Commission directed the closure of the Naval Training Center located at Orlando Florida and directed its tenant, the Navy Nuclear Power Propulsion Training Command (NNPTC), be moved to New London, Connecticut. This was not a decision to simply realign the Naval Training Center at Orlando, it was a decision to close the entire installation. Since then, the Secretary of Defense determined it would not be possible to send the NNPTC to New London, and has decided to redirect that activity to Charleston, SC. That redirect was sent as part of his 1995 Base Closure recommendation.

The decision to redirect NNPTC was made by the Secretary of Defense based on advice and information furnished by the Department of Navy. Both of us have read that information and found it to be complete, accurate, and compelling. In fact, we believe that between the information provided when the original decision to close the Orlando installation was made and the information provided to make the decision to redirect, there is no doubt that the NNPTC should not remain at an installation which is to be closed and that its new home should be the Naval Weapons Station, Charleston, South Carolina. Despite assertions made by Congressman Bill McCollum, the appro[illegible] selection criteria were considered during both the 199[illegible]re and the 1995 redirect decision. We believe the Sec[illegible]f Defense has made the appropriate decision.

It may be too late to reconsider Orlando in any event. The time for adding an installation to this years BRAC has passed and Orlando is not part of the "add list".

Alan, we are sure you are well aware of how hard Charleston has been hit by base closings. This redirection is an excellent opportunity to provide a little relief to a community that has already suffered their share of this nations military down-sizing.

We would urge you to confirm Secretary Perry's decision to relocate the NNPTC to Charleston. This would save the expense of keeping an entire installation open to house an activity that can comfortably be accommodated at Charleston.

Sincerely,

Ernest F. Hollings
Senator

Strom Thurmond
Senator

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

BRC

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950516-16

FROM: MCCOLLUM, BILL	TO: DIXON
TITLE: REP. (FL)	TITLE: CHAIRMAN
ORGANIZATION: U.S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION (s) DISCUSSED: NAVY NUCLEAR POWER TRAINING COMMAND	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR./CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE	✓		
DIR./COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER		X	
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER	✓		
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

✓	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

REQUESTING DBCRC CONSIDER ALTERNATIVE PROPOSAL AND LEAVE THE COMMAND IN ORLANDO.

Due Date: 950518	Routing Date: 950516	Date Originated: 950516	Mail Date:

DEPARTMENT OF THE NAVY
THE ASSISTANT SECRETARY OF THE NAVY
(INSTALLATIONS AND ENVIRONMENT)
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

MAY 24 1995

The Honorable Bill McCollum
House of Representatives
Washington, DC 20515

Dear Mr. McCollum:

This is to acknowledge receipt of your letter of May 11, 1995, to Secretary Dalton, concerning the Navy Nuclear Power Training Command (NNPTC).

To be as responsive as possible, I am providing answers to two of your six questions based on certified information in our 1995 Base Structure Data Base. We have issued a separate data call to gather the information necessary to completely and substantively address your remaining questions. I will reply further as soon as possible.

In the interim, if you require further assistance or have additional information to provide, you may contact LCDR Steve Bertolaccini, who is coordinating the response, at (703)681-0472.

Sincerely,

ROBERT B. PIRIE, JR.

Attachment

REPRESENTATIVE BILL MCCOLLUM'S QUESTIONS
CONCERNING THE NAVY NUCLEAR POWER TRAINING COMMAND

Q3. In response to my original question 13, asking for a comparison of BOS and PCS costs associated with several scenarios including keeping Orlando open, you responded by stating that the Navy was "obtaining BOS cost estimates for the NNPTC at NTC Orlando, as well as the PCS data you requested". Please provide this data or please indicate the anticipated date that you will have this data available.

A3. The annual BOS costs to operate only these two schools after NTC Orlando closes has been estimated to be $19.3 million and was provided in response to your original question 11. Additionally, as we indicated in our response to question 13, we recognized that the BOS costs in Charleston were overstated and could be improved upon with further evaluation. Subsequently, the BOS costs for Charleston and New London have been revised to $6.6 million and $7.1 million respectively, to more accurately reflect the BOS costs at these locations. These revised costs have been provided to the Base Closure and Realignment Commission.

The Department of Navy's analysis looked at the potential reduction of PCS costs associated with Charleston. Using standard COBRA algorithms, we estimated PCS savings for redirecting NNPTC from New London to Charleston to be $6.2 million annually. We did not conduct analysis that looked at reopening NTC Orlando. However, had we used the same methodology to calculate PCS savings of operating in Charleston rather than Orlando, the answer would have been a similar amount ($5.8 million).

Q5. In question 31, I requested information regarding the housing situation in Charleston. In response to my question, you stated that approximately 600 housing units that are excess due to the closure of Naval Station Charleston will be utilized to house personnel. Is this not equivalent to the reopening of a closed base? If not, why not?

A5. The excess housing units referred to in our response to question 31 are located on Weapons Station Charleston. We are not reopening any closed bases as a result of the redirect.

TALKING PAPER

Naval Nuclear Power Training Command (NNPTC) move to Naval Weapons Station (NWS) Charleston

- BRAC 93 directed move of NNPTC from NTC Orlando to SubBase New London, due to closure of NTC Orlando. Department of Navy (DON) recommended moving submarines from New London.

- BRAC 93 kept submarines at New London, despite DON recommendation.

- Result was need to do extensive construction/renovation at New London to accommodate NNPTC.

- For BRAC 95, DON and SECDEF recommended that NNPTC be re-directed from SubBase New London to NWS Charleston, at considerable savings in one-time costs:

  One time costs for Charleston--$147.9 M
  One time costs for New London--$162.5 M

- Location of NNPTC at NWS Charleston makes possible considerable savings in annual operating costs over Orlando:

  Annual operating costs at Charleston--$11.5 M (Navy says this figure may be high)
  Annual operating costs at Orlando--$21 M

- NWS Charleston already is location for nuclear propulsion prototype (hands-on) engineering training at the Nuclear Power Training Unit (NPTU), which is composed of two demilitarized nuclear submarines. Students completing the Nuclear Power School at NNPTC go to the NPTU. (Prototype training is also conducted at Ballston, New York)

  --If the NNPTC is located either in Orlando or New London, <u>all</u> graduates will have to be moved to prototype training: one half to Charleston and one half to Ballston, N.Y.

  --If the NNPTC is located in Charleston, <u>only one half</u> of the graduates will have to move to prototype training at Ballston.

--Location of the school in Charleston allows considerable savings in:

Mileage Allowance
Dislocation Allowance (DLA)
Temporary Lodging Allowance (TLA)
Movement of Household Goods (HHG)
Dependents Travel Allowance
Time Saved

--Navy estimates annual savings of $6.2 M and stands by that number despite claims by New London and Orlando.

- **Bottom Line: Net present value of the costs and savings over 20 years is a savings of $71.1 M.**

- Environment: Naval Facilities Engineering Command (NAVFAC) has determined that an Environmental Impact Statement (EIS) is not needed and that an Environmental Assessment (EA) is all that is required. An EA is scheduled for July 1, 1995.

- Explosive Safety Quantity Distance (ESQD): There is no ESQD encroachment on the proposed site for the NNPTC.

SEE NAVY STATEMENT (ATTACHED) AND COMMENTS ON ORLANDO SUBMISSION (ATTACHED)

NAVY STATEMENT

BRAC-95 Recommendation to Redirect Naval Nuclear Power Training Command to Charleston, SC

Background. In the 1993 round of base closures (BRAC-93), the Department of the Navy (DON) closed two Naval Training Centers (NTCs), one in Orlando, Florida and one in San Diego, California. It was estimated that these closure actions would result in annual savings of over $76 million per year ($43 million per year attributable to the Orlando portion of the action). As a part of these closure actions, certain tenants at these closing activities, including the Naval Nuclear Power Training Command (NNPTC) in Orlando, needed to be relocated. At the time, DON recommended that NNPTC be relocated to Submarine Base New London, to take advantage of facilities made available by the DON BRAC-93 recommendation to close the piers at New London. Once the Closure and Realignment Commission overturned the DON recommendation regarding the piers at New London, the costs to construct new facilities for NNPTC at New London increased. As a result, during the BRAC-95 process, DON examined the Weapons Station (WPNSTA, Charleston as an alternative receiving site for NNPTC, which both reduced up-front construction costs and also resulted in recurring savings associated with eliminated PCS costs for follow-on tours at the moored training facility at Charleston. The BRAC-95 decision to "redirect" NNPTC to Charleston rather than New London represents a refinement of the DON BRAC-93 recommendation which will result in additional savings beyond those identified for the BRAC-93 decision to close NTC Orlando.

BRAC-95 Action. During the BRAC-95 process, DON evaluated the selection of an alternative receiving site for NNPTC. This evaluation was made to determine whether relocation of this tenant could be accomplished at a reduced cost to the taxpayer. The selection of WPNSTA Charleston resulted in the reduction of $15 million in "up-front" costs to implement this move. By collocating NNPTC with follow-on training at WPNSTA Charleston, DON was also able to significantly reduce travel costs for NNPTC graduates. It should be noted that these recurring savings are in addition to the original savings associated with the closure of NTC Orlando.

BRAC-95 Costs/Savings Estimates.

Costs/savings associated with relocation to Charleston instead of New London. Construction costs associated with relocation of NNPTC to New London have been estimated at $163 million. Costs at WPNSTA Charleston are estimated to be $148 million, resulting in a reduction in costs of $15 million dollars. For purposes of conducting our analyses, we assumed that moving costs from Orlando to New London would be roughly equal to moving costs from Orlando to Charleston. In reality, we would also expect to see a slight reduction in moving costs, since the distance from Orlando to Charleston is less than the distance from Orlando to New London. Collocation with follow-on training at Charleston provides DON with additional savings beyond those estimated in BRAC-93.

Costs of continued operation in Orlando. Continued operation of NNPTC at Orlando is not considered a desirable option, supported by either economic considerations or public policy

considerations that we don't close and open bases in each round of base closure. Creation of a stand-alone NNPTC training facility in Orlando would require the retention of all of the infrastructure necessary to support this activity, i.e., public works, security, housing, galley, medical/dental, chapel, exchange, family services, personnel support, and morale, welfare and recreation (MWR). Retention of this infrastructure would not only result in a significant cost increase to the taxpayer by foregoing a substantial portion of the savings associated with closing NTC Orlando, but would also significantly impede any community re-use plans for the Orlando site.

Costs to operate NNPTC at Orlando as a stand-alone facility have been estimated at over $21 million per year. Included in these costs are over $19 million dollars in base operations costs. These high costs reflect the fact that a full range of support services will have to remain in Orlando to support NNPTC, and we believe that this estimate may, in fact, still understate some of the costs associated with this operation. Conversely, relocation of NNPTC to an already operational DON installation, in this case WPNSTA Charleston, allows us to make use of all of the fixed infrastructure already present at Charleston, e.g., perimeter security, public works, MWR facilities, etc. Costs at Orlando also include almost $2 million in Variable Housing Allowances (VHA) for active duty personnel that live off-base. In Charleston, on-base housing will be available for all staff, all enlisted students and married officer students.

There will be some incremental increases in operational costs at Charleston to accommodate relocating students and instructors. Our initial estimate of these costs at WPNSTA Charleston is $11.5 million per year. This cost estimate has been calculated using the standard Department of Defense base closure costing algorithms and reflects an annual operating cost differential of $9.5 million less than the cost of continued operation in Orlando. We believe that this annual cost differential of almost $10 million is a very conservative estimate, since the estimated cost increases at Charleston are based on current operating costs at Charleston, which reflect industrial and technical functions which cost far more per person to operate than the cost of operating training facilities. We expect that, in implementation, actual base operation costs at Charleston will be less than the current estimate.

Our analysis also looked at other changes in costs associated with this action. While the basic training costs associated with instructors, materials and supplies, etc., is expected to be roughly equivalent at either Orlando or Charleston, collocation of NNPTC with its primary follow-on training site will eliminate travel costs associated with moving students and their families from NNPTC to follow-on training at the moored training facility. We estimated that this action will result in reduced travel costs of $6.2 million per year, using the standard DoD base closure costing algorithms for these types of costs, for both officers and enlisted, single or married. This $6.2 million annual savings on top of the $9.5 million reduction in operating costs, equates to almost $16 million dollars in annual savings of operation of NNPTC in Charleston instead of Orlando, a figure which we are confident we can improve upon as we actually go through the implementation process.

Comments on Orlando Data Submission

On May 17th an uncertified, unaudited data submission was made to the BRAC by Representative McCollum (Orlando) in support of leaving the Nuclear Propulsion School (NPS) in Orlando vice moving it to Charleston. The submission purports significant savings by leaving the NPS in Orlando. The source of the data is unknown and did not come from official Navy sources. The following comments are provided:

- **Base Operating Support Costs (BOS)** The Orlando paper claims annual BOS costs at a stand alone NPS in Orlando will only be $2.0M. The certified BOS costs submitted by the Navy, which the Navy continues to support, are $19.3M.

- **Permanent Change of Station (PCS) Savings** The Orlando paper contends that annual PCS savings resulting from moving the school to Charleston are only $839K. The certified PCS savings submitted by the Navy, which the Navy continues to support, are $6.2M.

- **Variable Housing Allowances (VHA)/ Basic Allowance for Quarters (BAQ)** The Orlando submission did not include either VHA or BAQ costs. Since there would be no BOQ or family housing at Orlando, all officers and all married enlisted students and staff will be required to live in private housing and will draw both VHA and BAQ.

  Historical analysis of the NPS student thru-put indicated the following composition:
  8% officer; 92% enlisted
  30% married; 70% single
  85% enlisted in pay grade E4; 94% officers in pay grade 01

  The monthly VHA/BAQ rates for pay grades E4 and 01 are as follows:

E4 with one dependent:	BAQ $370.80	VHA $138.60
01 with one dependent:	BAQ $445.80	VHA $ 94.50
01 with no dependents:	BAQ $328.50	VHA $ 69.45

  Using the above rates, which are the lowest possible, budgeted thru-put for the year 2000, and the historical student composition, the minimal annual costs that will be incurred for the married officer and enlisted students and single officer students will be over $4.6M. This cost will actually be significantly greater since it does not include the NPS staff, all of whom will be required to live off base, nor does it account for those students of higher rank/rate who are entitled to greater VHA/BAQ rates.

- **Military Construction Costs (MILCON)** The Orlando submission indicates a requirement for $8.0M in MILCON if the NPS remains at Orlando. The specific requirement is nor identified and the Navy has not included this $8.0M in any of its submissions or calculation of savings by moving the school the Charleston. If there is an $8.0M MILCON cost to leave the school in Orlando, this, along with the information discussed above, further increases the total savings to the government by moving the NPS school to Charleston.

RELEVANT POINTS

- **Quality of Life**

  --Charleston offers highest quality of life for enlisted men in the U.S. Navy

  --Charleston offers most affordable housing available to enlisted men
  - ÷Only Navy location is U.S. where a second-class petty officer can afford to buy a house

- **Retiree Mentors**

  --Increasingly important in U.S. Navy and other services:
  - ÷Provide career counseling
  - ÷Assist in retention of quality personnel

  --Retirees' opinions increasingly sought

  --S.C. Sixth Congressional District has one of highest numbers of retirees in nation

Shift Colors

The newsletter for Navy retirees

Volume 40 Issue 1 | The Bureau of Naval Personnel | Spring 1995

MESSAGE FROM THE CNP

VADM Skip Bowman, USN Chief of Naval Personnel

Thanks for your warm response to my letter in the Winter 1994 issue of Shift Colors. I was absolutely delighted to hear that you still feel like part of our team and wear your "U.S. Navy retired" jerseys with pride!

Many of you asked about opportunities for continued service as volunteers. I was touched by your generosity, and by the knowledge that you still care so much about our Navy family. The extra pair of hands and varied skills you can provide would be welcomed in such places as Family Service Centers, USO Clubs, Navy hospitals, recruiting stations, and Retired Activities Offices (RAOs) throughout the country. More to follow. . . In the meantime, your local RAO may be aware of volunteer opportunities in your area, and would be happy to hear from you. To locate the RAO nearest you, see page 13 or contact our BUPERS Retired Activities Section at 1-800-255-8950. We're standing by to help.

In several of your letters, you also mentioned your willingness to mentor young Navy men and women, formally or informally. You're right on target—there's clearly a need for the coaching and feedback mentoring provides. As I write this, we're putting the finishing touches on a Fleet-wide program designed to ensure career-long mentoring for all our members. As we continue to "rightsize," and the world picture continues to change, your experience and sense of perspective are invaluable to junior personnel, and can influence their decisions to "stay Navy." You'll hear more about our mentoring plan in coming months. Thanks for your interest.

In a recent memo to all hands, I asked our BUPERS team to remember your contributions and continue working hard to meet your needs. Our new motto is "we listen. . .we care. . .we will try to say YES!" I'm pleased to share with you that this approach is already paying dividends, as I learned from a retired senior chief who wrote to thank our Incapacitated Dependent Program Office for its quick response to his special problem. In the senior chief's letter, he said, "If this is any indication of the support we retirees, along with active duty personnel, can expect from the 'new' BUPERS, then I give you you my thanks for changing the system and making it a pleasure to do business with the bureau."

Our goal is to make it a pleasure for everyone to do business with us. I'm getting smarter on issues that are unfair or unnecessarily burdensome to you, our retired family. So is the CNO, ADM Mike Boorda. We are speaking out—a lot! Let our Retired Activities Section know what we can do to serve you better. We look forward to hearing from you!

inside SHIFT COLORS

Page 4 SECNAV's 1994 ACRP responses

Page 12 CHAMPUS news

Page 14-15 Get On-Line!

BILL McCOLLUM
8TH DISTRICT, FLORIDA

CHAIRMAN
SUBCOMMITTEE ON CRIME

COMMITTEE ON
JUDICIARY

COMMITTEE ON
BANKING AND FINANCIAL SERVICES

SELECT COMMITTEE ON INTELLIGENCE

Congress of the United States
House of Representatives
Washington, DC 20515–0908

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ORLANDO, FL 32801
(407) 872–1962
TOLL FREE FROM KISSIMMEE
931–3422

May 16, 1995

Mr. Alan J. Dixon, Chairman
The Defense Base Closure and
Realignment Commission
1700 N. Moore Street
Suite 1425
Arlington, Virginia 22209

Dear Mr. ~~Chairman~~: Alan

Pursuant to our conversation of May 15, 1995, I am writing to request that the commission review the alternative of retaining the Navy Nuclear Power Training Command (NNPTC) at the former Naval Training Center, Orlando, and that you direct your staff to analyze the pros and cons of keeping NNPTC in Orlando rather than redirecting it to Charleston.

As you are well aware, the BRAC 93 round of closures slated the Orlando Navy Training Center for complete closure with NNPTC to be relocated to Navy Submarine Base, New London. During the course of the last two years, the Navy realized that the costs associated with this move were so great that the cost savings were negated. As a result, the Navy, as well as the Department of Defense, recommended that the DBCRC redirect the move from New London to Naval Weapons Station, Charleston.

A few days ago representatives of the Orlando community briefed the DBCRC staff on Cobra analysis of the Orlando alternative prepared by a respected private consulting firm. This analysis shows that cost savings associated with the creation of a cantonment area around what is now known as NNPTC and keeping it in Orlando would generate a net present value of nearly double the amount of the redirect to Charleston. The Navy never did any Cobra runs of keeping NNPTC in Orlando.

DBCRC staff indicated this analysis appeared correct and would be a huge savings over the Charleston redirect, but told the community your authorization was required to go forward with a full staff review and work up of this alternative for presentation to the Commission. If confirmed, as I am confident a staff analysis would do , the cost savings of keeping NNPTC in Orlando as opposed

and the Navy deviated from Criterion 5 in failing to do a Cobra run on the Orlando option and failing to consider the cost implications of such an option in its analysis and recommendation to redirect.

My office will be more than pleased to provide any and all preliminary data we have available to you and to your analysis team.

Your cooperation and assistance in this matter is most appreciated,

Sincerely,

BILL McCOLLUM
Member of Congress

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ATTACHMENT 1: BASE LOADING DATA

Activity: 00-129 SUBASE New London

UIC	NAME	MAJOR CLAIMANT	BEGIN FY 1996 OFF	BEGIN FY 1996 ENL	BEGIN FY 1996 CIV	BEGIN FY 1996 STU	PLANNED FORCE STRUCTURE CHANGES OFF	PLANNED FORCE STRUCTURE CHANGES ENL	PLANNED FORCE STRUCTURE CHANGES CIV	PLANNED FORCE STRUCTURE CHANGES STU	END FY 2001 OFF	END FY 2001 ENL	END FY 2001 CIV	END FY 2001 STU
00102	PORTSMOUTH NSY	COMNAVSEASYS	0	0	1	0	0	0	0	0	0	0	~~0~~ 1	0
35459	NSGA CDS Groton	COMNAVSECGRP	0	16	0	0	0	~~0~~-16	0	0	0	~~16~~ 0	0	0
33389	NSGA CSS Groton	COMNAVSECGRP	1	3	0	0	~~0~~-1	~~3~~-3	0	0	~~1~~ 0	~~3~~ 0	0	0
65991	NSGA NLON	COMNAVSECGRP	1	7	0	0	~~0~~-1	~~0~~-7	0	0	~~1~~ 0	~~7~~ 0	0	0
47685	NSGA Sea Duty	COMNAVSECGRP	0	16	0	0	0	0	0	0	0	16	0	0
43672	NAVY Food Mgmt Tm NLON	COMNAVSUPSYS	0	4	0	0	0	~~0~~-4	0	0	0	~~4~~ 0	0	0
61115	NLON NEX	COMNAVSUPSYS	1	0	0	0	0	0	0	0	1	0	0	0
44417	Navy Pusb & Print Svo NLON	COMNAVSUPSYS	0	0	~~0~~ 4	0	0	0	0	0	0	0	~~0~~ 4	0
42299	MARS DISTRICT PHILADELPHIA	COMNAVTELCOM	0	1	0	0	0	0	0	0	0	1	0	0
65580	NISE EAST	COMSPANAVWAR	0	0	1	0	0	0	0	0	0	0	1	0
49178	NLON Comissary	DECA	0	0	0	0	0	0	0	0	0	0	0	0
42920	NIS NLON	MARCH- SECNAV	0	0	13	0	0	0	~~0~~-6	0	0	0	~~13~~ 7	0
44396	Navy Juedge NLON	MARCH- SECNAV	2	0	0	0	~~2~~-1	0	0	0	~~2~~ 1	0	0	0
30293	NUMI Students	BUMED	0	0	0	64	0	0	0	0	0	0	0	64
30565	Subschool Students	CNET	0	0	0	~~344~~ 2055	0	0	0	~~0~~-565	0	0	0	~~344~~ 1490
21859	POCU CONNECTICUT	CINCLANTFLT	0	0	0	0	14	120	0	0	14	120	0	0 ARRIVES 98
		TOTAL	859	7419	1015	2164	-833	-2155	-7	-565	626	4664	1008	1599
	BRAC '93													
45859	NFAS	CNET	0	0	0	0	16	245	0	0	16	245	0	0
43149	NUCPWRSCOL	CNET	0	0	0	0	9	53	0	0	9	53	0	0
0617A	NUCPWRSCOL	CNET	0	0	0	0	124	67	0	0	124	67	0	0
37019	NUCPWRTRACOM	CNET	0	0	0	0	0	0	0	2266	0	0	0	2266
		TOTAL BRAC 93	0	0	0	0	149	365	0	2266	149	365	0	2266
	TOTAL Base Loading (this page)		859			2164					775	5,029	1,008	3,865

DEPARTMENT OF THE NAVY
NAVAL WEAPONS STATION CHARLESTON
2316 RED BANK ROAD STE 100
GOOSE CREEK SC 29445-8601

AUTOVON 794 + EXT.
IN REPLY REFER TO:
11000
05/069
14 APR 1995

From: Commanding Officer, Naval Weapons Station Charleston
To: Commander, Naval Training Command (02)

Subj: INFORMATION FOR BRAC95 MILPERS BASE OPERATING SUPPORT

Ref: (a) NAVCOMPNOTE 7111 of 20 Mar 95

Encl: (1) Worksheet

1. As directed by reference (a), enclosure (1) is provided.

2. Point of contact is Mr. Andrew Graham, Code 051, (803) 764-7746, DSN 794.

T. B. STARK

Copy to:
NAVORDCEN LANTDIV
NAVORDCEN (N33)

WPNSTA CHARLESTON INPUT TO BRAC IV
MILITARY PERSONNEL EXHIBITS

Activity/Tenant Abbr'ed Title	*UIC*	*OFC/ENL*	*PERSTYPE*	*FY99*	*FY00*
WPNSTA Chasn/Galley	00193	Ofc	nav	1	1
		Enl	nav	25	38
WPNSTA Chasn/BQ	00193	Ofc	nav	0	0
		Enl	nav	4	5
WPNSTA Chasn/PAO	00193	Ofc	nav	1	1
		Enl	nav	0	0
WPNSTA Chasn/Guard Mail	00193	Ofc	nav	0	0
		Enl	nav	1	1
WPNSTA Chasn/Religous Svcs	00193	Ofc	nav	2	2
		Enl	nav	1	2
WPNSTA Chasn/MWR	00193	Ofc	nav	0	0
		Enl	nav	3	5
Pers Support Detachment	43350	Ofc	nav	0	0
		Enl	nav	25	40
NAVHOSP Chasn/Medical	68084	Ofc	nav	5	5
		Enl	nav	7	7
NAVDEN Chasn/Dental	35748	Ofc	nav	3	5
		Enl	nav	7	10
NAVLEGAL/Legal	68364	Ofc	nav	2	2
		Enl	nav	1	1
Total Officers		Ofc	nav	14	16
Total Enlisted		Enl	nav	74	109

DEPARTMENT OF THE NAVY
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT 06349-5000

11000
Ser 00/ 05986

09 DEC 1994

From: Commanding Officer, Naval Submarine Base New London
To: Commander in Chief, U. S. Atlantic Fleet (N-95)

Subj: BRAC-95 SCENARIOS

Ref: (a) CINCLANTFLT (N-95) memo of 7 Dec 94

Encl: (1) NNPTC to Charleston Scenario Summary (1-01-0032-116)
(2) NNPTC to Charleston Losing Base Questions
(3) NNPTC to Charleston Gaining Base Questions
(4) BRAC Certification (1-01-0032-116)
(5) MILCON Requirements Scenario (1-02-0032-008Z)
(6) BRAC Certification (1-02-0032-008Z)

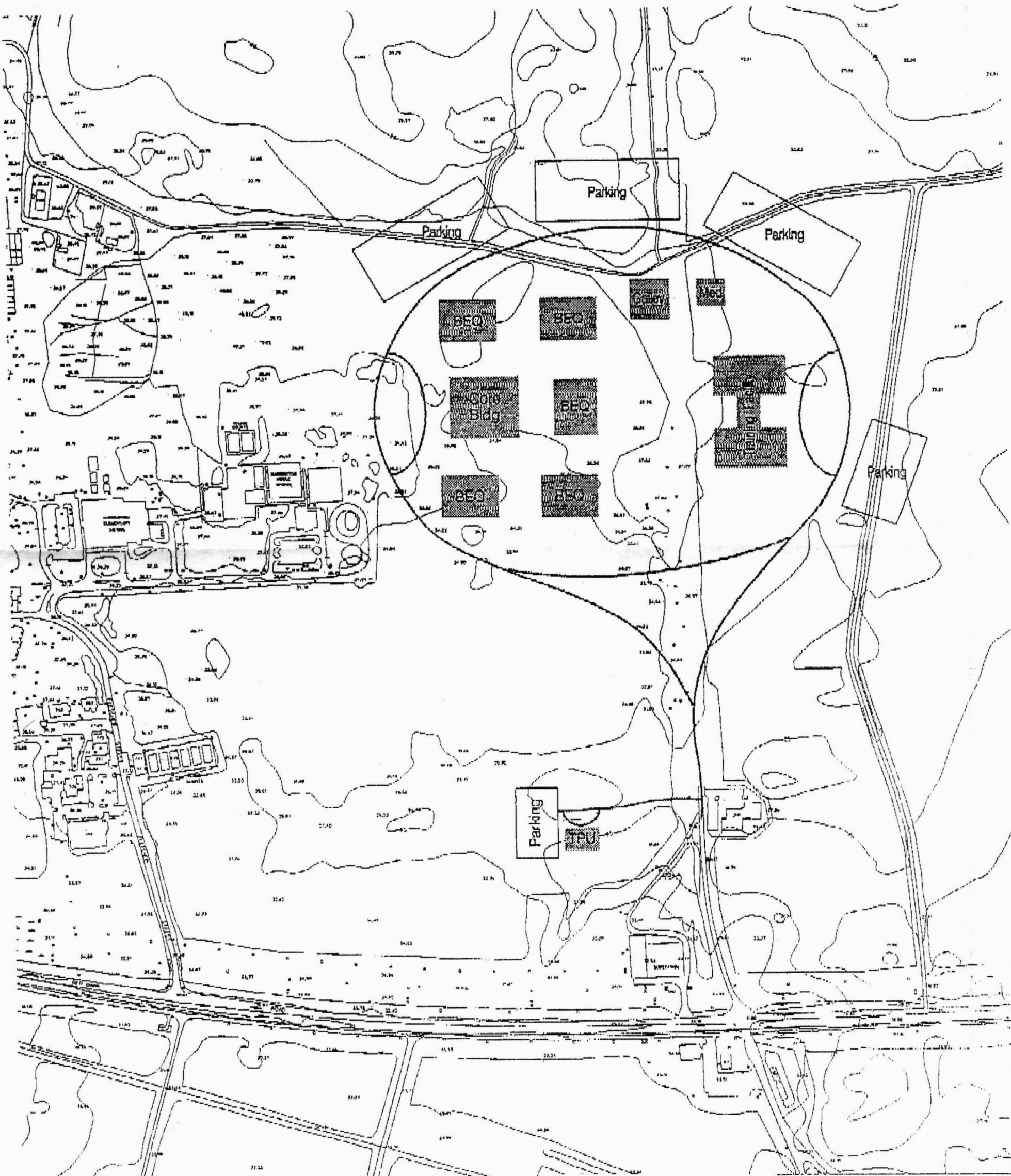
1. In response to reference (a), enclosures (1) through (6) are submitted.

2. A redirect of the BRAC-93 decision to realign NNPTC Orlando to New London needs to consider the following: the level of confidence in the costs derived from the COBRA model as opposed to 18 months of planning and design effort, the replication of 300KSF of available training spaces at New London, $486K of on-going construction, almost $10M of design contracts, over $1M of redesign effort/relocation costs to move displaced tenants from interim/transitional spaces and a two year delay in closing NTC Orlando.

L. G. DOMINIQUE

放

9996



OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL

# of pages ▶ 1

To ANDREW GRAHAM	From EFFIE MELETIS (NAVFAC SO DIV)
Dept./Agency Washington	Phone # 743-0349
DSN 794-7746	Fax #

NSN 7540-01-317-7368 5099-101 GENERAL SERVICES ADMINISTRATION

Department of the Navy
Base Structure Analysis Team

BSAT

Facsimile Transmission
Cover Sheet

Date: 5/19/95 # Pages (incl cover): Five (5)

From: CDR Mark Samuels
Office: (703) 681-0481
Fax: (703) 756-2174

To: LCDR Eric Lindenbaum
Office: (703) 696-0504 Ext: 185
Fax: (703) 696-0550

Eric,

Here's the attachment of the letter that Mr. Pirie will sign out on Monday morning. I'm providing it to you in advance so that you can get ready for the hearings, these should be considered DRAFT responses until Mr. Pirie signs it (which he most likely will). I'll get it to OLA as soon as Mr. Pirie signs it. I'll be in the office Sunday afternoon (5/21/95), and can come in or talk to you on the phone on Saturday if you need to talk about the response. My home phone# is (703) 644-4592.

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Responses to Questions Submitted by Representative Calvert

Q1. We hold information from official BRAC files and public documents for NWAD that clearly indicate that the preponderance of the billets culminated from BRAC scenarios run on NWAD were based solely on a "directed savings objective" and not founded on any real underlying study or documented savings assessment. If this is not true, please provide copies of the underlying studies or documents which form the basis for the savings achieved through the elimination of personnel. We would like copies of the studies/documents for each of the potential receiving sites for all of the four (4) scenarios covered in the GAO report. Also, please provide points of contact with phone numbers for each study should follow-up be required. If no such studies/documents exist, please so state.

A1. Billet eliminations associated with the closure of NWAD Corona were based on an assessment by NWAD Corona management and its superiors in the NAVSEA chain of command, and are shown in the certified data call response. The time constraints associated with the base closure process do not allow for the commissioning of long-term management studies. The process depends, in part, on the informed judgement of the responsible managers. This judgement lead NWAD Corona to eliminate 102 direct technical positions, and 145 command staff and support positions. However, 82 of the direct technical positions reflect a continuing workload requirement which will be transferred to the private sector. Consequently, no salary savings were taken for these 82 positions. The 145 command staff and support position eliminations were determined through coordination with the receiving commands. They represent those administrative and support positions (i.e. Public Works, Supply, Comptroller, Human Resources, etc.) that will not be required once NWAD Corona closes.

Q2 The note at the beginning of each scenario run on NWAD indicates that funded direct work will be abandoned if NWAD moves. A list of programs is provided which included well known programs such as GIDUP, etc. Please provide copies of the Navy's or other documentation that shows that these programs will no longer require these services to be performed by anyone. If no such documentation exists, please so state.

A2. The NWAD Corona certified Scenario Development Data Call response lists the programs that NWAD Corona may no longer service and could be procured through other sources. These programs are: Metrology Type II Standards Calibration Laboratory, Government-Industry Data Exchange Program, Test Program Set Development, Defense Acquisition University, Foreign Military Sales, and Systems Engineering Support. The 10[illegible] direct technical positions mentioned in answer 1 above are drawn from these programs. These programs will continue to be supported either through the 82 positions to be transferred to the private sector, or through the excess capacity that is remaining at the receiving sites. Program Managers have the flexibility to reassign the necessary work to other activities as appropriate. The BRAC-95 recommendations do not eliminate all excess capacity within DON's technical centers, therefore, Program Managers will still be able to obtain the necessary services from the best available source.

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Responses to Questions Submitted by Representative Calvert

Q3. The note from and signed by Captain Schweir at the front of each of the NWAD scenarios on the base loading data indicates that CP-7 loading data is inaccurate in the case of NWAD (about 10-15% low). Please provide the documentation that shows that the NWAD Base Commander does not know how many people he has on board in FY96 (next October) and why CP-7 is a more accurate predictor of future personnel at NWAD than information held by the activity. If none exists, please so state.

A3. The statement of the base commander is not based on hard data, but rather based on an assumption that since NWAD Corona received more work than was budgeted for in FY1994, that this trend will continue in the future. In reality, budget lines are decreasing substantially. Between FY1994 and FY1996, the RDT&E,N appropriation decreased by over 5% and the O&M,N appropriation decreased by almost 3%. By the end of FY2001, the RDT&E,N appropriation will have decreased by over 33% and the O&M,N appropriation will have declined by almost 14%. In addition, in NWAD Corona's certified Capacity Analysis Data Call response they indicate that over the last 8 years, projected budgeted workyears have closely tracked with actual in-house workyears. In the last two years of that period the actual workyears did exceed budgeted workyears, however, in these years a substantial reduction in the usage of contractor workyears is also seen. Therefore, there is no expectation that additional resources beyond those currently budgeted will be available. Finally, if NWAD Corona, in fact, has more personnel on-board at the time of the transfer, this would increase the number of eliminated billets and thus increase the savings resulting from this closure.

Q4. The note underneath each of the facility matrices in the official Navy BRAC scenario submissions for NWAD indicate that the NAVFAC Basic Facilities Requirements document for NWAD characterize most space as RDT&E space. Yet the available space at receiving sites used in the COBRA model run appears to be Administrative type space. Please provide the documentation or site visit/audit report used a basis to change the NAVFAC facilities requirements for NWAD. If the available space at the receiving sites is RDT&E, then please provide copies of the NAVFAC BFR document for each potential receiving site for all scenarios run and indicate which space is currently available for transferred NWAD activities. Further, please provide documentation used and at what cost the space (whether RDT&E or Administrative) at the proposed receiving sites can be renovated, or built from scratch, to accommodate the work that would be transferred from NWAD. If no documentation/studies exist, please so state.

A4. In the NWAD Corona COBRA analysis, RDT&E construction was included at Monterey, China Lake and Crane. In only one case did the BSEC convert an RDT&E requirement to administrative space, 23,390 sqft at NSWC Crane. This adjustment was based on NWAD Corona's certified response that the "engineering office space" for the measurement science functions is similar to office space with standard office furnishings, to include personal

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Responses to Questions Submitted by Representative Calvert

computers, workstations, servers and related peripheral equipment (see "Scenario Development Data - Response to BSEC Questions", page 6). The amount of actual laboratory space required to support these functions was entered as submitted and was not adjusted by the BSEC.

Q5. The official Navy BRAC submissions for NWAD show approximately $36 million+ in "mission costs." These costs are detailed in each scenario. Please explain, item by item, for all scenarios why this entire $36 million was apparently zeroed out in the COBRA analysis. Please provide any substantiating documentation that exists. If the COBRA model takes these specific items into account, please provide the documentation showing where the COBRA model does so. If no such documentation exists, please so state.

A5. The final data call response included $11.3 million in recurring mission costs. These costs fell into three categories - Increased Travel costs, Contracting Costs Differentials, and Procurement of Technical Services. All of these costs were excluded from our COBRA analysis.

a. Increased Travel Costs - $0.6 million per year. If the assumptions are made that future travel requirements are static, that trips will continue to be made to the same locations, and it costs more to fly out of one airport in California than from another airport, then a case could be made for inclusion of these costs. However, the reality is that prior travel requirements for NWAD Corona are not an indication of future requirements given the projected decline in DON budgets. In addition, the migration of workload to Monterey, Crane, China Lake, and the private sector will change both departure and destination sites as well as actual numbers of trips required to be taken. For example, NWAD Corona's analysis only identified cost increases and did not identify offsetting savings associated with reductions in travel costs associated with personnel who will now work out of China Lake and Crane, nor did it reflect the potential to avoid travel cost increases through better utilization of video teleconferencing, etc. NWAD Corona's analysis also did not take into consideration changes in travel costs resulting from both projected reductions in Corona's future workload and transfers of work to the private sector. Additionally, travel requirements are a function of Program Manager discretion and/or individual project needs, and will fluctuate from year-to-year over the life of a project.

b. Contracting Costs Differentials - $2.5 million per year. This cost estimate was based on an assumption that all contracting efforts would be relocated to Monterey and that the resulting cost to the government would be increased. However, there is no guarantee: (1) that all contracted work would be relocated outside of the southern California area, (2) that some contracted work might not be relocated to other receiving sites, e.g., China Lake or Crane, or (3) that any resulting new contracts would actually result in a cost increase to the government. The nature of competitive bidding is such that future proposal costs are

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Responses to Questions Submitted by Representative Calvert

unpredictable, especially in an aggressive bidding environment. Assuming an increase in support contract costs at this time is speculative at best, and it is impossible to accurately apportion any increases that may occur as resulting from a closure decision rather than from some other market or programmatic forcing function. Finally, as a result of the transfer of functions to receiving sites and the private sector, support contract costs may actually decrease as a result of this closure action.

c. Procurement of Technical Services - $8.2 million per year. When work is projected to be transferred to the private sector, the presumption is made that this transfer will only take place if private sector performance proves to be less costly than government performance. To reflect the continuing requirement to perform this workload, no salary savings are shown for work shifted to the private sector. While no savings are shown, COBRA algorithms do calculate RIF costs for these eliminated in-house jobs. Since no savings were taken for this transferred workload, there is no need to show an offset of recurring costs for private sector performance of this work.

DRAFT

BILL McCOLLUM
8TH DISTRICT, FLORIDA

CHAIRMAN
SUBCOMMITTEE ON CRIME

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TOLL FREE FROM KISSIMMEE
931–3422

March 27, 1995

The Honorable John Dalton
Secretary of the Navy
Department of the Navy
1000 Navy Pentagon
Washington, D.C. 20350-1000

RE: BRAC 95 Actions - Naval Nuclear Power School and Nuclear Field "A" School (Nuclear Power School)

VIA FAX TRANSMISSION TO (703) 614-3477

Dear Mr. Secretary:

After reviewing the materials made available to my office regarding the decision [illegible]nd realignment of the Navy Nuclear Power Propulsion Training Center, Naval T[illegible]nter Orlando (hereinafter referred to as the Nuclear Power School) from the Submarine S[illegible]l at the Naval at the Naval Submarine Base, New London to Naval Weapons Station, Charleston, South Carolina there remain a number of questions which I need answered in order to adequately review this recommendation and make necessary comments and presentations to the Defense Base Closure and Realignment Commission. Therefore, I am writing to request your assistance in providing answers to the questions contained in this letter. Furthermore, due to the short time frame of the base closure process, I respectfully request your assistance in furnishing the answers and information to my inquiries no later than April 15, 1995.

Please provide the answers to the following questions:

1. According to the 1995 BRAC Recommendations regarding the Navy Nuclear Power Propulsion Training Center located at the Orlando Naval Training Center, the Department of Defense is requesting a realignment of the school to Naval Weapons Station, Charleston (NWS) to "provide ready access to the moored training ships now at the Weapons Station...."

   I have been informed that there is one (1) moored training ship located at NWS with only limited room for training purposes. Please indicate the correct number of moored training ships currently located at NWS Charleston, the number of power school students able to train on the ship at one time, and the AOB currently for the training ship moored at NWS.

2. When students graduate from the Nuclear Field "A" School and the Nuclear Power School located in Orlando, please list the classes and/or courses that each graduate is required to attend and specify all possible locations where such follow-on training is taught. Does this curriculum require training on nuclear reactor prototypes?

3. It is my understanding that graduates of the Nuclear Power School engage in follow-on training to gain hands-on experience with "prototype" nuclear reactors in either Charleston (if they are submariners) or Ballston Spa, New York (if they are surface fleet). Is this true?

4. For all training locations where Nuclear Power Students are transferred immediately from Orlando, other than Charleston or Ballston Spa, please list the location and the type of training taught at each location.

5. Please list the actual number of graduates in 1992, 1993, 1994 and 1995 (projected) that graduated or will graduate from Orlando and transferred or will transfer directly to Charleston, Ballston Spa and any additional locations for follow-on training. In addition, please list the permanent change of station costs associated with relocating each student to each location used for the next level of training.

6. Please describe in detail each of the "prototype nuclear reactors" located in Charleston and Ballston Spa (and any other locations where Orlando graduates train). For each, please supply the age of the prototype, the date it was installed at the facility, and the number of prototypes located at each facility.

7. For each of the "prototype nuclear reactors" listed in question three, what is its useful life in years? How has this useful life been determined?

8. What was the AOB number of students trained in each of the last three years at the Nuclear Field A School and the Nuclear Power School? What is the average length of study for Nuclear Field A School? For Nuclear Power School?

9. Do all students that graduate from Nuclear Field A School and/or Nuclear Power School receive some training on the prototypes located at Charleston or Ballston Spa? What is the average length of study for this "hands-on" training? If students graduate from Orlando and do not train on these prototypes, what other training do they obtain before going to the fleet?

10. What is the maximum number of students who at present can be trained annually at Nuclear Field A School and the Nuclear Power School without any additional construction, alteration, repair, or maintenance at existing facilities in Orlando?

11. Please list the total base operation support costs of the Nuclear Field A School and the Nuclear Power School in 1992, 1993, and 1994. Please estimate the BOS costs if the schools were to remain in their current locations and the NTC Orlando closes on schedule. Please estimate any one-time costs that would be necessary should the schools remain in their current location.

12. Please list the total annual projected base operation support costs of the Nuclear Field A School and the Nuclear Power School if they were to be relocated to Charleston. To New London.

13. In the "Report of BSEC Deliberations," dated 19 December 1994, in paragraph 17c, the following statement was made: "Locating at Charleston would keep Orlando closed, result in better facilities for the students, and save $15M per year in BOS and PCS costs over Orlando."

    Please explain in detail how the Navy arrived at the cost savings of $15M per year in BOS and PCS costs over Orlando. Furthermore, please compare the BOS and PCS costs associated with the following scenarios: (1) leave Orlando open; (2) move the Nuclear Power School to New London; and (3) move the Nuclear Power School to Charleston. In making these comparisons, please include PCS costs associated with graduates moving from the Nuclear Power School to Ballston Spa and to the fleet or any other locations to which schools graduates are transferred.

14. Please explain the difference between the squad-bay type BEQs located in Orlando and the new Navy-standard BEQs.

15. It is my understanding that a "bunk reduction" project is in progress in Orlando to increase the habitability of nuclear power students to ninety square feet per occupant. This project would reduce the number of barracks in Orlando from 3,008 to 2,800. Once this project is completed, will the facilities in Orlando meet the new Navy-standard for BEQs? If not, why. What else could be done to rehabilitate these facilities to comply with the new Navy-standard for BEQs? What would be the total cost to rehabilitate these facilities?

16. In the "Report of BSEC Deliberations on 19 December 1994," NNPTC MILCON requirements state that $162.5 million worth of projects would be required to relocate Orlando to New London. These figures do not include MILCON for student parking at New London. I have seen reports that the student parking project, Project Number 500, could cost as much as $17 million. Why was this figure excluded from the chart found in the deliberations of 19 December 1994? If you failed to include them in the estimation of costs to move to New London, have they been excluded from the estimation of costs in moving to Charleston? If not, how does the Navy plan to address the parking needs of the students attending Nuclear Power School?

17. In the "Report of BSEC Deliberations on 19 December 1994," NNPTC MILCON requirements state that $162.5 million worth of projects would be required to relocate Orlando to New London. These figures do not include unitemized additional facilities, equipment, and personnel relocation expenses associated with the relocation to New London. It is my understanding that these unitemized expenses could cost as much as $40 million. Why was this figure excluded from the chart found in the deliberations of 19 December 1994? If you failed to include them in the estimation of costs to move to New London, have they been excluded from the estimation of costs in moving to Charleston?

18. I am concerned that the true reason for the development and utilization of the COBRA model has been lost in the detail of the BRAC process. For instance, based on the data that is available to me, the total costs associated with moving Nuclear Power to New London have now increased to at least $225 million. Furthermore, it is my understanding that the recurring annual costs for operation of the Nuclear Power School at New London were approximately $15.7 million, compared to the $21 million associated with leaving the facility in Orlando. With a cost savings of only $5.3 million annually and expenses reaching the $225 million mark, the real return on investment of this project is approximately 42 years -not the 9 years cited in the 1993 BRAC report.

    Since the move of the Nuclear Power School has not yet begun, a true analysis and comparison of the costs and savings associated with BRAC 95 actions dictate that the COBRA regarding the move to Charleston not include cost avoidances in New London. This simply masks the true costs associated with any relocation of the Nuclear Power School. As it has been presented, MILCON of $147 million to move Orlando to Charleston will have a return on investment of one year. With a cost savings of only $5.3 million annually, I conclude that the real return on investment is 27 or more years.

    In an effort to better understand your accounting methods, can you please explain why the cost avoidance of projects in New London were included in your analysis of the move to Charleston.

19. The Nuclear Power School in Orlando currently has 320,000 square feet of space for academic use. According to materials in the BRAC library, your plans call for the construction of 243,000 square feet in Charleston for training use. Can you please explain why the Navy plans to decrease this space by nearly 100,000 square feet. What are the current capacities, future requirements, and excesses of the Nuclear Power School facilities located in Orlando. In answering this question, please project future requirements for the next five years, ten years, and twenty years.

20. Based on the COBRA data used to conclude that Nuclear Power School should be redirected to Charleston, $147 million of MILCON money must be spent. Is this the total cost of MILCON at Charleston necessary to house the Nuclear Power School? Does the cost include all housing needs created by the move to Charleston? Does the proposal to move to Charleston incorporate any facilities at the Naval Air Station, including housing, in Charleston? If so, please list those facilities. Does the proposal call for the renovation or rehabilitation of any existing facilities. If so, please list those facilities and the current host Command. In identifying any of the buildings in these questions, please utilize building numbers.

21. It is my understanding that the property located around the proposed new site for the Nuclear Power School is closely located to the weapons storage area at Naval Weapons Station Charleston. Is my understanding correct? Please provide a map

21. (continued) of the current facilities at NWS Charleston and the proposed location of the Nuclear Power School. How close can the Navy build facilities to the existing NWS without creating a hazard?

22. Please provide the Explosive Safety Quantity Distances (ESQD) for any proposed MILCON and potential explosive sources. Will all of the new construction afford an acceptable degree of protection and safety for inhabitants and students?

23. If the areas that are being proposed for construction are currently unused parcels, is the area currently served by existing utilities or would utilities need to be provided? What are the estimated costs of providing such utilities to this site? Have these costs been included in the COBRA model?

24. Where will NWS obtain utilities to support the Nuclear Power School - from Navy-owned plants or from the local government sector? Does the NWS have sufficient capacity in electrical, water, sewer, gas and telephone to accommodate the Nuclear Power School? What is the current usage, current excess capacity, and the anticipated usage once the schools are transferred to Charleston?

25. It would appear that creating a contonement area for Nuclear Power School in Orlando would generate a great deal of cost savings. Did the Navy run a COBRA on leaving the schools in their current location? If so, please provide my office with those results.

26. Please cite any reasons, including all pertinent data supporting those reasons, regarding the Navy's objections to fully operate the Nuclear Power School in a "contonement" setting in Orlando - other than the "philosophical" objections raised by the BSEC.

27. Nuclear Power School Orlando represents approximately 10% of the entire land mass of what was once known as the NTC Orlando. The facility has an AOB of 2,653 and a permanent staff of 512 authorized personnel compared to the 15,000 employees of the installation when the base was fully operational.

    In an attempt to understand the BSEC objections to save millions of dollars by maintaining the facility in its present location and avoid reconstructing nuclear power school in its entirety elsewhere, please explain how the creation of a "contonement" area around the nuclear school campus is considered the "reopening of a closing base?"

28. NAVFACINST 11010.44E (Shore Facilities Planning Manual) requires NAVSEASYSCOM to review the proposed location of all projects encumbered by ammunition and explosives and provide review comments to the CNO. Does this instruction apply to the relocation of this facility? If so, have review comments been provided to the CNO? If so, please provide a copy of these comments, and if not, please specify when these comments are expected to be provided to the CNO.

29. Furthermore, the same instruction as noted in the previous question requires the SPAWARSYSCOM to certify the electromagnetic radiation safety of facilities. Since the Nuclear Power School currently uses rooftop mounted radar antenna, will such a certification be made to ensure that the Nuclear School training does not interfere with the mission or safety of NWS Charleston? If not, why? If so, please provide a copy of this certification.

30. How much money has been spent to date to perform site planning and preliminary design work at New London for the relocation of Nuclear Power School Orlando? How much of this work product could be recouped by adapting these designs for Charleston?

31. Is there sufficient housing on base or in the community for Nuclear Power School students and faculty in the Charleston community? In the New London community? Please list your sources and the data utilized to arrive at this conclusion.

Your prompt response and attention to these questions will be greatly appreciated.

Sincerely,

BILL McCOLLUM
Member of Congress

BMcC:jma

Frank O'Beirne, Jr.
Captain, USN (Retired)

DATE: 7 June, 1995

TO: Eric Lindenbaum, Navy Team Analyst

SUBJECT: New London Community Position on Nuclear School Redirect Proposal

In our conversation last week, I offered to provide a tabulation of the New London community position with respect to the proposed redirect of the Nuclear Schools from New London to Charleston, SC. A tabulation is included.

The first sheet is a comparison, as we see it, of the COBRA estimate provided you by Mr. Nemfakos, dated 24 May,1995, of the cost of an identical facility in New London as that proposed for Charleston. I believe that a comparison of COBRA with COBRA is valid if all costs are included. On the Charleston side, I have added the site development and utilities cost (infrastructure) and the cost of a never before considered building, the Transient BEQ. These costs were 1391 costs provided to you by SouthDiv, NavFac. In estimating total costs, I have also added a conservative cost for the delay of leaving Orlando for a Charleston decision. The $5.13M per year is the difference in O&MN between Orlando and New London as submitted in data by Naval Reactors. It is conservative because no costs are included for achieving a stand-alone condition at Orlando, such as fences and temporary relocation of personnel and support systems being closed. Additionally, the New London Public Works Officer has stated that the New London cost is too high, but I have no certified data to substitute.

The second sheet is a comparison of 1391 costs between New London and Charleston. This is less valid since the New London 1391s are for the larger facility proposed for New London. On both sides I have added a design cost of 6%, as I am told that 1391s do not include design costs, merely construction. On the Charleston side, I have added three items included in the COBRA listing but omitted from the 1391s. I have also added the cost mentioned above for the delay in leaving Orlando. On this sheet, at the bottom, I also show the best estimate for the real cost of a smaller facility at New London provided to you by the Public Works Officer. The significance of this number is that still no effort has been made to minimize costs in New London. Five examples have been provided to you by Duncan Schweitzer of the Public Works Office, which total well over $10M.

The third sheet is my agreement with your estimate of the PCS savings realized from co-location of schools and reactor training. I have added my estimate of savings from instructor PCS if the schools are located in New London. You may or may not accept this.

The significance of my calculations is that, even if the cost of Orlando delay is excluded, New London is the less expensive option in comparison of either COBRA or 1391s. With cost of delay included, all methods of comparison favor New London heavily. As a final note, I have some question of the credibility of some of the Charleston 1391s; reductions of 20% to 25.5% from COBRA estimates are hard to believe, as is a difference of 35% for the same Med/Den facility between Charleston and New London.

If I can be of further help, please call. (203) 536 7179

SHEET 1

COMPARISON OF COBRA PROJECTED COST

($ in Millions)

NEW LONDON		CHARLESTON	
97.6	BEQ	88.9	
36.2	TRAINING	36.4	
7.2	GALLEY	8.2	
4.5	PARKING	2.4	
2.4	PERS SUPPORT	2.6	
6.0	MED-DENTAL	5.3	
1.3	TELEPHONE		
	FIRE STATION	0.2	
155.2 (1)		144.5	(2)
	TERMINATION COSTS AT NEW LONDON	3.1	(2) 2.1
	SITE DEVELOPMENT / UTILITIES	13.2	(3) NO
	TRANSIENT BEQ	4.9	(3) NO
		165.7	
	2 YEAR DELAY IN CLOSING ORLANDO, O & M DELTA NLON & CHASN $5.13 M/YR	10.26	(4)
$ 155.2 M		$ 176.26 M	

(1) NEMFAKOS MEMO TO BRAC 24 MAY, 1995.

(2) ORIGINAL NAVY SUBMISSION.

(3) SOUTH DIV, NAV FAC MEMO 30 MAY, 1995.

(4) NAV NUC PROP DATA SUBMIT 16 AUG, 1994.

COMPARISON OF 1391 PROJECTED COSTS

NEW LONDON		CHARLESTON
156.0 (1) (2)	1391 COST	148.65 (3)
	PARKING	2.4 (4)
	PERS SUPPORT	2.6 (4)
	FIRE STATION	0.2 (4)
156.0		153.85
~~9.36 (7)~~	DESIGN, ARC & ENG	~~9.23 (7)~~
	TERMINATION COST IN NEW LONDON	3.1 (5)
	2 YEAR DELAY IN CLOSING ORLANDO, O & M DELTA NLON & CHASN $5.13 M/YR	10.26 (6)
$ 165.36		$177.44

(1) PWO, NLON MEMO TO BRAC, 10 MAY, 1995.

(2) THIS 1391 PROJECTION WAS FOR THE LARGER FACILITY DESIGN.

(3) SOUTH DIV, NAV FAC MEMO 30 MAY, 1995.

(4) OMITTED FROM NOTE (3) MEMO OF 1391 ESTIMATES.

(5) ORIGINAL NAVY SUBMIT.

(6) NAV NUC PROP DATA SUBMIT 16 AUG, 1995.

(7) 1391 DOES NOT INCLUDE DESIGN COST. 6% UTILIZED HERE.

PWO, NLON MEMO 10 MAY, 1995 NOTES REAL COST OF SMALLER FACILITY AT NEW LONDON $168.4 M WITHOUT ANY COST MINIMIZING. MINIMIZING CAN REDUCE COSTS $10-15 M. (SCHWEITZER MEMO)

RECURRING COSTS

PCS savings

from student travel with location at Charleston	$839K
from instructor travel with location at New London	$122K
Net delta	$717K

This PCS delta is a recurring annual savings for a Charleston location, and a recurring annual cost for a New London location.

FAX

Date 18MAY95

Number of pages including cover sheet 6

TO: MR. CHARLES NEMFAKOS

Executive Director, BSAT

Phone 703-681-0450

Fax Phone 703-756-2174

FROM: Alex Yellin

Review and Analysis-Navy Team

Defense Base Closure and Realignment Commission

1700 N. Moore St., Suite 1425

Arlington, VA 22209

Phone 703-696-0504

Fax Phone 703-696-0550

CC:

REMARKS: ☐ Urgent ☒ For your review ☒ Reply ASAP ☒ Please Comment

Request your comments on the two attached letters and two COBRA runs (to be sent via separate correspondence) from Rep. Bill McCollum who recommends the Naval Nuclear Power Propulsion Training Center stay in Orlando FL. instead of the executing the proposed redirect to the Charleston Weapons Station.

Please prepare a COBRA run on a redirect retaining the Naval Nuclear Power Propulsion Training Center in Orlando, FL.

Alex Yellin

ERIC

BILL McCOLLUM
8TH DISTRICT, FLORIDA

CHAIRMAN
SUBCOMMITTEE ON CRIME

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March 30, 1995

Please refer to this number
when responding 950403-10

S. Alexander Yellin
Navy Team Leader, Review and Analysis
Defense Base Closure and Realignment Commission
1700 North Moore Street
Suite 1425
Arlington, Virginia 22209

Dear Alex:

Thanks for taking time out of your busy schedule earlier today to discuss some of the topics our office is following regarding BRAC '95.

As I mentioned to you during our conversation, I have attached a copy of the letters Congressman McCollum has forwarded to the Navy regarding the Naval Research Laboratory, Underwater Sound Reference Detachment and the Naval Nuclear Power School and Nuclear Field "A" School in Orlando.

When our office obtains any responses from the Navy, we will gladly forward copies to your office.

Again, thanks for time earlier today. I look forward to visiting with you, Eric, or Les in the coming months regarding these matters. Please call if I can be of any assistance to you or your staff.

Sincerely,

John

John M. Ariale
District Director for
Congressman Bill McCollum

JMA

Enclosures

BILL McCOLLUM
8TH DISTRICT, FLORIDA

CHAIRMAN
SUBCOMMITTEE ON CRIME

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TOLL FREE FROM KISSIMMEE
931–3422

March 28, 1995

The Honorable John Dalton
Secretary of the Navy
Department of the Navy
1000 Navy Pentagon
Washington, D.C. 20350-1000

RE: BRAC 95 Actions - Naval Research Laboratory, Underwater Sound Reference Detachment, Orlando, Florida

VIA FAX TRANSMISSION TO (703) 614-3477

Dear Mr. Secretary:

After reviewing the materials made available to my office regarding the decision to disestablish the Naval Research Laboratory, Underwater Sound Reference Detachment (NRL-USRD) and relocate the calibration and standards function to the Naval Undersea Warfare Center, Newport Division, Newport (NUWC-DIVNPT), there remain a number of questions which I need answered in order to adequately review this recommendation and make necessary comments and presentations to the Defense Base Closure and Realignment Commission. Therefore, I am writing to request your assistance in providing answers to the questions contained in this letter. Furthermore, due to the short time frame of the base closure process, I respectfully request your assistance in furnishing the answers and information to my inquiries no later than April 15, 1995.

Please provide the answers to the following questions:

1. In the Navy's justification for the closure of NRL-USRD, the Department [illegible] that "specific reductions for technical centers are difficult to determine, be[illegible] these activities are supported through customer orders." Because specific reductions in "technical centers" like the NRL-USRD are hard to determine and due to the fact that the overall budget process is dependent upon customer orders, why would any expenditure of funds on behalf of the Department to relocate the activity be a wise, or cost saving move?

2. It is my understanding that the laboratory located in Orlando is run similarly to the way a business might operate in that salaries and the demand for additional staffing levels are based upon consumer purchases. Is this the case with respect to NRL-USRD?

3. If the answer to question two above is in the affirmative, please explain why any disruption of productivity or relocation would be of benefit to the Department of Defense. If the market dictated a reduction in activity, is it not incumbent upon the USRD to make adjustments to personnel based upon market demand?

4. The Navy cites an annual savings of $2.8 million. It is my understanding that the savings noted above are generated from the loss of contract employees such as security personnel and utilities. Please explain the source for these savings and indicate why the costs for utilities, contract personnel and other costs associated with the $2.8 million would not be a recurring expense at the gaining facility.

5. According to notations found in the "Scenarios Development Data Call," there is reference to restoration of the facility to its natural state - both in Leesburg and in Orlando. However, I was unable to find any reference to the estimated $3 million to restore the main site to its natural condition. Is this expenditure included in your analysis? If so, why was it deleted from the COBRA run that was made available to my office. How does the inclusion of this expenditure impact the COBRA results? Please provide a corrected COBRA analysis.

6. Please provide me with a listing of DoD's direct annual appropriations to NRL-USRD for FY 1992 - FY 1995. In addition, please provide a listing of DoN's appropriations to NRL-USRD for those same years. In addition, please provide me with the total "reimbursable funding" received by the facility for each of the years stated above. Finally, please provide a list of the "contracts" that the DoN sponsored through "work requests" with NRL-USRD for the same period of time.

7. Please supply me with the annual operating budget of NRL-USRD for FY 1992 - FY 1995 in detail, including separate line items for the following items: payroll, utilities, real property maintenance, leases, and contract employees.

8. It is my understanding that DoN uses the anechoic tank facility to test critical Navy underwater acoustic devices and related materials for the ADCAP torpedo sonar and acoustic hull treatments for the new attack submarine. What will DoN do to replace the anechoic tank facility? At what total cost? How much down time is required to accommodate this relocation?

9. It is my understanding that DoN uses its low-frequency facility in Orlando to test critical Navy underwater acoustic devices and related materials for the SOSUS hydrophones and acoustic hull treatments for the new attack submarine. What will DoN do to replace the low frequency facility? At what total cost? How much down time is required to accommodate this relocation?

10. Does the gaining activity, NUWCDIVNPT, plan to retain the lake facility at Leesburg? How will USRD perform the testing now conducted at this location without Leesburg? Please elaborate and include any additional costs associated with conducting these tests at a different location.

11. In the Department's recommendations for closure, the justification information for closure of this facility indicates that the "level of forces and of the budget are reliable indicators of sharp declines in technical center workload through FY

11. (continued) 2001, which leads to a recognition of excess capacity in these activities." Please provide the excess capacity analysis that was performed regarding the NRL-USRD that led to the conclusion that there was excess capacity in the category of work performed at this center.

12. In the Department's recommendations for closure, the justification information for closure of this facility indicates that the "disestablishment of this laboratory reduces excess capacity by eliminating unnecessarily redundant capability...." Please indicate the activities, measurements, testing, evaluations, calibrations and standards functions that are concurrently performed at the NRL-USRD and at other facilities. Please list the activity, measurement, test, evaluation, calibration or standards function NRL-USRD that is being concurrently performed at any other facility and please provide the name of each such facility.

13. It is my understanding that NRL-USRD is the only facility of its nature that is located in a southern, warm climate. Is this correct? If so, please indicate how testing, evaluations, calibrations and standards functions performed in this environment can be considered "redundant?"

14. Please provide me the historical reasons for why the Navy established the NRL-USRD in Orlando in the 1940's.

15. It is my understanding that the NRL-USRD is the Navy's institution for standardizing underwater acoustic measurements and that USRD provides a link in the traceability of underwater acoustic measurements to the National Institute of Standards and Technology (NIST). How will the relocation of this facility and the inevitable loss of expertise, interruption of testing, and reestablishment of facilities in NUWCDIVNPT affect this essential function provided by USRD? What is the estimated total time of interruption of services that are associated with this relocation?

16. In analyzing this option, did the Department explore the possibility of losing a large contingency of the expertise associated with this facility because some personnel at NRL-USRD will not make the move to Newport? If so, how does the Navy intend to accommodate for the lack of qualified and experienced personnel? Is the loss of this experience of any value to the Navy? Was this potential loss factored into any of the discussions regarding the less than modest savings generated by this relocation?

17. It is my understanding that the Department of the Navy (DoN) has relied upon the warm water calibration data of NRL-USRD for the last fifty years. The water temperatures of northern test facilities obviously vary from those found in Orlando. With a move to Newport, DoN will no longer be able to compare fifty years of data to present underwater sound measurements. How will this affect the reliability and confidence of measurements and calibrations in the future? Please elaborate on the extent of this loss and its long term impact on sonar transducers currently being utilized by the fleet.

18. After reviewing the materials available in the BRAC Library, I was unable to locate any information regarding the receiving facilities at NUWCDIVNPT. Please describe the renovation and/or construction needs of existing or new facilities located at NUWCDIVNPT necessary to accommodate the relocation of NRL-USRD and NUWCDETNL. In answering this question, please provide the costs associated with each renovation or construction project.

19. Will the relocation of 55 employees from NRL-USRD, sonar standard transducers, and calibration equipment increase the costs of operation (maintenance and utilities) in Newport? If so, please identify those expenses. If not, please specify why.

20. It is my understanding that the Anechoic Tank Facility II (ATFII) will be relocated to NUWC under the BRAC 95 scenario; however, the cost data included in the COBRA scenario development does not include any MILCON at NUWC. Where will the DoN relocate ATFII, in an existing facility? Please identify any of the renovation or rehabilitation costs associated with the building that will house ATFII in Newport. In addition, please provide the actual estimates for relocating the tank itself to Newport.

21. COBRA data provided to my office indicates a recurring savings of civilian salaries of $1,231,000 in 1997 and $2,461,000 in successive years. Please explain how these savings are generated. Do they result from savings associated with the 45 positions eliminated in the scenario? How is a savings generated to DoD if these employees are DBOF employees? Why wouldn't these savings occur whether NRL-USRD is moved or stays in Orlando?

22. It appears that the Navy is attempting to consolidate laboratory missions to create a more efficient operation. Towards that end, it certainly makes a great deal of sense to incorporate the NRL-USRD under the NUWC. However, it would appear to make equal sense, given some of the unique capabilities of NRL-USRD, for the DoN to consider the possibility of consolidating all of NUWC's transducer calibration and experimentation personnel in NRL-USRD. Was this option considered? If not, why not? If so, please provide a complete summary of data and deliberations engaged in during your review of this scenario.

23. It is my understanding that the decision to close NUWC, New London means the relocation of seven facilities to NUWCDIVNPT. Of these activities, (1) Submarine & Surface Ship Sonar Transducer RDT&E Complex; (2) Submarine Sonar Development & Evaluation Complex; (3) Underwater Mobile and Deployed Sonar Arrays RDT&E Complex; (4) Turbulent Boundary Layer Hydroacoustic Experimental Quiet Water Tunnel Facility; (5) Tactical Sonar Measurements and

23. (continued) Analysis Facility; (6) Acoustic Array Experimental Measurement Facility; and (7) Sonar Array Microelectronics Development Facility, please list the space and personnel requirements for each. Furthermore, please indicate which activities, if any, perform transducer calibration and experimentation.

Your prompt response and attention to these questions will be greatly appreciated.

Sincerely,

BILL McCOLLUM
Member of Congress

BMcC:jma

BILL McCOLLUM
8TH DISTRICT, FLORIDA

CHAIRMAN
SUBCOMMITTEE ON CRIME

COMMITTEE ON
JUDICIARY

COMMITTEE ON
BANKING AND FINANCIAL SERVICES

SELECT COMMITTEE ON INTELLIGENCE

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TOLL FREE FROM KISSIMMEE
931-3422

March 27, 1995

The Honorable John Dalton
Secretary of the Navy
Department of the Navy
1000 Navy Pentagon
Washington, D.C. 20350-1000

RE: BRAC 95 Actions - Naval Nuclear Power School and Nuclear Field "A" School (Nuclear Power School)

VIA FAX TRANSMISSION TO (703) 614-3477

Dear Mr. Secretary:

After reviewing the materials made available to my office regarding the decision to recommend realignment of the Navy Nuclear Power Propulsion Training Center, Naval Training Center Orlando (hereinafter referred to as the Nuclear Power School) from the Submarine School at the Naval at the Naval Submarine Base, New London to Naval Weapons Station, Charleston, South Carolina there remain a number of questions which I need answered in order to adequately review this recommendation and make necessary comments and presentations to the Defense Base Closure and Realignment Commission. Therefore, I am writing to request your assistance in providing answers to the questions contained in this letter. Furthermore, due to the short time frame of the base closure process, I respectfully request your assistance in furnishing the answers and information to my inquiries no later than April 15, 1995.

Please provide the answers to the following questions:

1. According to the 1995 BRAC Recommendations regarding the Navy Nuclear Power Propulsion Training Center located at the Orlando Naval Training Center, the Department of Defense is requesting a realignment of the school to Naval Weapons Station, Charleston (NWS) to "provide ready access to the moored training ships now at the Weapons Station...."

   I have been informed that there is one (1) moored training ship located at NWS with only limited room for training purposes. Please indicate the correct number of moored training ships currently located at NWS Charleston, the number of power school students able to train on the ship at one time, and the AOB currently for the training ship moored at NWS.

2. When students graduate from the Nuclear Field "A" School and the Nuclear Power School located in Orlando, please list the classes and/or courses that each graduate is required to attend and specify all possible locations where such follow-on training is taught. Does this curriculum require training on nuclear reactor prototypes?

3. It is my understanding that graduates of the Nuclear Power School engage in follow-on training to gain hands-on experience with "prototype" nuclear reactors in either Charleston (if they are submariners) or Ballston Spa, New York (if they are surface fleet). Is this true?

4. For all training locations where Nuclear Power Students are transferred immediately from Orlando, other than Charleston or Ballston Spa, please list the location and the type of training taught at each location.

5. Please list the actual number of graduates in 1992, 1993, 1994 and 1995 (projected) that graduated or will graduate from Orlando and transferred or will transfer directly to Charleston, Ballston Spa and any additional locations for follow-on training. In addition, please list the permanent change of station costs associated with relocating each student to each location used for the next level of training.

6. Please describe in detail each of the "prototype nuclear reactors" located in Charleston and Ballston Spa (and any other locations where Orlando graduates train). For each, please supply the age of the prototype, the date it was installed at the facility, and the number of prototypes located at each facility.

7. For each of the "prototype nuclear reactors" listed in question three, what is its useful life in years? How has this useful life been determined?

8. What was the AOB number of students trained in each of the last three years at the Nuclear Field A School and the Nuclear Power School? What is the average length of study for Nuclear Field A School? For Nuclear Power School?

9. Do all students that graduate from Nuclear Field A School and/or Nuclear Power School receive some training on the prototypes located at Charleston or Ballston Spa? What is the average length of study for this "hands-on" training? If students graduate from Orlando and do not train on these prototypes, what other training do they obtain before going to the fleet?

10. What is the maximum number of students who at present can be trained annually at Nuclear Field A School and the Nuclear Power School without any additional construction, alteration, repair, or maintenance at existing facilities in Orlando?

11. Please list the total base operation support costs of the Nuclear Field A School and the Nuclear Power School in 1992, 1993, and 1994. Please estimate the BOS costs if the schools were to remain in their current locations and the NTC Orlando closes on schedule. Please estimate any one-time costs that would be necessary should the schools remain in their current location.

12. Please list the total annual projected base operation support costs of the Nuclear Field A School and the Nuclear Power School if they were to be relocated to Charleston. To New London.

13. In the "Report of BSEC Deliberations," dated 19 December 1994, in paragraph 17c, the following statement was made: "Locating at Charleston would keep Orlando closed, result in better facilities for the students, and save $15M per year in BOS and PCS costs over Orlando."

    Please explain in detail how the Navy arrived at the cost savings of $15M per year in BOS and PCS costs over Orlando. Furthermore, please compare the BOS and PCS costs associated with the following scenarios: (1) leave Orlando open; (2) move the Nuclear Power School to New London; and (3) move the Nuclear Power School to Charleston. In making these comparisons, please include PCS costs associated with graduates moving from the Nuclear Power School to Ballston Spa and to the fleet or any other locations to which schools graduates are transferred.

14. Please explain the difference between the squad-bay type BEQs located in Orlando and the new Navy-standard BEQs.

15. It is my understanding that a "bunk reduction" project is in progress in Orlando to increase the habitability of nuclear power students to ninety square feet per occupant. This project would reduce the number of barracks in Orlando from 3,008 to 2,800. Once this project is completed, will the facilities in Orlando meet the new Navy-standard for BEQs? If not, why. What else could be done to rehabilitate these facilities to comply with the new Navy-standard for BEQs? What would be the total cost to rehabilitate these facilities?

16. In the "Report of BSEC Deliberations on 19 December 1994," NNPTC MILCON requirements state that $162.5 million worth of projects would be required to relocate Orlando to New London. These figures do not include MILCON for student parking at New London. I have seen reports that the student parking project, Project Number 500, could cost as much as $17 million. Why was this figure excluded from the chart found in the deliberations of 19 December 1994? If you failed to include them in the estimation of costs to move to New London, have they been excluded from the estimation of costs in moving to Charleston? If not, how does the Navy plan to address the parking needs of the students attending Nuclear Power School?

17. In the "Report of BSEC Deliberations on 19 December 1994," NNPTC MILCON requirements state that $162.5 million worth of projects would be required to relocate Orlando to New London. These figures do not include unitemized additional facilities, equipment, and personnel relocation expenses associated with the relocation to New London. It is my understanding that these unitemized expenses could cost as much as $40 million. Why was this figure excluded from the chart found in the deliberations of 19 December 1994? If you failed to include them in the estimation of costs to move to New London, have they been excluded from the estimation of costs in moving to Charleston?

18. I am concerned that the true reason for the development and utilization of the COBRA model has been lost in the detail of the BRAC process. For instance, based on the data that is available to me, the total costs associated with moving Nuclear Power to New London have now increased to at least $225 million. Furthermore, it is my understanding that the recurring annual costs for operation of the Nuclear Power School at New London were approximately $15.7 million, compared to the $21 million associated with leaving the facility in Orlando. With a cost savings of only $5.3 million annually and expenses reaching the $225 million mark, the real return on investment of this project is approximately 42 years -not the 9 years cited in the 1993 BRAC report.

    Since the move of the Nuclear Power School has not yet begun, a true analysis and comparison of the costs and savings associated with BRAC 95 actions dictate that the COBRA regarding the move to Charleston not include cost avoidances in New London. This simply masks the true costs associated with any relocation of the Nuclear Power School. As it has been presented, MILCON of $147 million to move Orlando to Charleston will have a return on investment of one year. With a cost savings of only $5.3 million annually, I conclude that the real return on investment is 27 or more years.

    In an effort to better understand your accounting methods, can you please explain why the cost avoidance of projects in New London were included in your analysis of the move to Charleston.

19. The Nuclear Power School in Orlando currently has 320,000 square feet of space for academic use. According to materials in the BRAC library, your plans call for the construction of 243,000 square feet in Charleston for training use. Can you please explain why the Navy plans to decrease this space by nearly 100,000 square feet. What are the current capacities, future requirements, and excesses of the Nuclear Power School facilities located in Orlando. In answering this question, please project future requirements for the next five years, ten years, and twenty years.

20. Based on the COBRA data used to conclude that Nuclear Power School should be redirected to Charleston, $147 million of MILCON money must be spent. Is this the total cost of MILCON at Charleston necessary to house the Nuclear Power School? Does the cost include all housing needs created by the move to Charleston? Does the proposal to move to Charleston incorporate any facilities at the Naval Air Station, including housing, in Charleston? If so, please list those facilities. Does the proposal call for the renovation or rehabilitation of any existing facilities. If so, please list those facilities and the current host Command. In identifying any of the buildings in these questions, please utilize building numbers.

21. It is my understanding that the property located around the proposed new site for the Nuclear Power School is closely located to the weapons storage area at Naval Weapons Station Charleston. Is my understanding correct? Please provide a map

21. (continued) of the current facilities at NWS Charleston and the proposed location of the Nuclear Power School. How close can the Navy build facilities to the existing NWS without creating a hazard?

22. Please provide the Explosive Safety Quantity Distances (ESQD) for any proposed MILCON and potential explosive sources. Will all of the new construction afford an acceptable degree of protection and safety for inhabitants and students?

23. If the areas that are being proposed for construction are currently unused parcels, is the area currently served by existing utilities or would utilities need to be provided? What are the estimated costs of providing such utilities to this site? Have these costs been included in the COBRA model?

24. Where will NWS obtain utilities to support the Nuclear Power School - from Navy-owned plants or from the local government sector? Does the NWS have sufficient capacity in electrical, water, sewer, gas and telephone to accommodate the Nuclear Power School? What is the current usage, current excess capacity, and the anticipated usage once the schools are transferred to Charleston?

25. It would appear that creating a contonement area for Nuclear Power School in Orlando would generate a great deal of cost savings. Did the Navy run a COBRA on leaving the schools in their current location? If so, please provide my office with those results.

26. Please cite any reasons, including all pertinent data supporting those reasons, regarding the Navy's objections to fully operate the Nuclear Power School in a "contonement" setting in Orlando - other than the "philosophical" objections raised by the BSEC.

27. Nuclear Power School Orlando represents approximately 10% of the entire land mass of what was once known as the NTC Orlando. The facility has an AOB of 2,653 and a permanent staff of 512 authorized personnel compared to the 15,000 employees of the installation when the base was fully operational.

    In an attempt to understand the BSEC objections to save millions of dollars by maintaining the facility in its present location and avoid reconstructing nuclear power school in its entirety elsewhere, please explain how the creation of a "contonement" area around the nuclear school campus is considered the "reopening of a closing base?"

28. NAVFACINST 11010.44E (Shore Facilities Planning Manual) requires NAVSEASYSCOM to review the proposed location of all projects encumbered by ammunition and explosives and provide review comments to the CNO. Does this instruction apply to the relocation of this facility? If so, have review comments been provided to the CNO? If so, please provide a copy of these comments, and if not, please specify when these comments are expected to be provided to the CNO.

29. Furthermore, the same instruction as noted in the previous question requires the SPAWARSYSCOM to certify the electromagnetic radiation safety of facilities. Since the Nuclear Power School currently uses rooftop mounted radar antenna, will such a certification be made to ensure that the Nuclear School training does not interfere with the mission or safety of NWS Charleston? If not, why? If so, please provide a copy of this certification.

30. How much money has been spent to date to perform site planning and preliminary design work at New London for the relocation of Nuclear Power School Orlando? How much of this work product could be recouped by adapting these designs for Charleston?

31. Is there sufficient housing on base or in the community for Nuclear Power School students and faculty in the Charleston community? In the New London community? Please list your sources and the data utilized to arrive at this conclusion.

Your prompt response and attention to these questions will be greatly appreciated.

Sincerely,

BILL McCOLLUM
Member of Congress

BMcC:jma

15 Dec 94 memo from J.E. Eimes (NAVSEA) to CAPT Buzzell (BSAT)

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

Signature

Title

2/21/95
Date

OPNAV 5216/144A (Rev. 8-81)
S/N 0107-LF-052-2320

DEPARTMENT OF THE NAVY

Memorandum

DATE: 15 May 1995

FROM: J. E. Eimes

TO: Public Works Officer, SUBASE NLON

SUBJ: COMMENTS ON BRACON COST TABLE PROVIDED TO BASE CLOSURE AND REALIGNMENT COMMISSION STAFF

Ref(a): SUBASE NLON Memorandum Ser 000/0014 dated 10 may 1995

1. Ref (a) provided a BRACON cost table to the Base Closure and Realignment Commission (BRAC) staff. The table provides cost estimates for the relocation of the Naval Nuclear Power Training Command (NNPTC) from Orlando, Florida to SUBASE NLON per BRAC III. One column of the table includes data for a relocation scenario of NNPTC to NLON with a reduced school population. Naval Reactors has the following comments on the cost estimates for this reduced population scenario:

a. The table shows a cost reduction for the BEQ from $111.3M to $96.3M based upon scaling down the design being prepared for use in NLON from 2800 berths to 2473 berths. The desig being prepared for use in NLON does not meet current BEQ ne construction standards so the scaling down improperly show savings. In fact, if 2473 berths were provided that meet current standards the size of the BEQ would <u>increase</u> approximately 15% with a corresponding <u>increase</u> in cost of several million dollars. For your information, Naval Reactors is requesting approval not to fully meet the current standards for Charleston, South Carolina; however, the BEQ being considered for Charleston still exceeds the standards and size of the NLON BEQ design.

b. The table shows a reduction for BEQ parking from $14.1M to $8.0M or about a 43% decrease in cost. The existing parking requirement is 2043 spaces (1700 spaces for the BEQ and 343 spaces to replace spaces lost due to the construction of NNPTC facilities). Scaling down the BEQ parking spaces gives:

$$1700 \text{ spaces} \times 2473/2800 \approx 1500 \text{ spaces}$$

The reduced parking requirement would thus be 1500 + 343 = 1843 parking spaces. The reduction in the parking space requirement (2043 → 1843) is therefore less than 10%. A quick review of the "Phase I On-base Parking Analysis" dated 4 April 1995 shows the recommended option provides 1978 parking spaces with a minimum cost of $14.1M and a maximum cost of $16.2M. Providing 1843 parking spaces would cost

closer to $14M than the $8.0M indicated.

c. The table shows a change in the design of academic building 499 and to a lesser extent building 83/84. The number and size of classrooms were changed. These changes do not meet the NNPTC functional requirements for either NLON or Charleston, South Carolina, and would likely increase slightly the number of school staff needed. Naval Reactors was not afforded the opportunity to review these proposed changes and does not concur with the academic building changes.

2. The BRACON cost table lists the cost to construct the Galley as $7.774M. The "Building Budget Estimate Summary Sheet" dated March 1995 lists the cost as $8.9M. The $7.774M figure appears to be the contract cost without other factors such as Supervision Inspection and Overhead. Other costs listed in the table cannot be validated by Naval Reactors as Naval Reactors does not have all the cost estimate documentation available to NLON.

J. E. Eimes

J. E. Eimes
By direction

Copy to:
E. J. Lindenbaum, BRAC staff
LCDR Bertolaccini, BSAT

PERMANENT CHANGE OF STATION SAVINGS FROM INSTRUCTORS

Total enlisted staff = 365

for average tour of 3 years, this means average of about 121 staff departing each year, and 121 new arrivals, for a total 242 moves.

About 60% of nuclear trained sailors are submariners; about 30% of submarines will be in New London in 2001.If the assumption can be made that instructors will come from/go to ships, then:

242 x .6 x .3 = 44 sailors would not move PCS

These are senior enlisted personnel, mostly married.

44 x $2784 = $122.5 thousand annual savings.

JUN 95 PRESENTED BY NLON COMMUNITY AT COMMISSION

Frank O'Beirne, Jr.
Captain, USN (Retired)

DATE: 7 June, 1995

TO: Eric Lindenbaum, Navy Team Analyst

SUBJECT: New London Community Position on Nuclear School Redirect Proposal

In our conversation last week, I offered to provide a tabulation of the New London community position with respect to the proposed redirect of the Nuclear Schools from New London to Charleston, SC. A tabulation is included.

The first sheet is a comparison, as we see it, of the COBRA estimate provided you by Mr. Nemfakos, dated 24 May,1995, of the cost of an identical facility in New London as that proposed for Charleston. I believe that a comparison of COBRA with COBRA is valid if all costs are included. On the Charleston side, I have added the site development and utilities cost (infrastructure) and the cost of a never before considered building, the Transient BEQ. These costs were 1391 costs provided to you by SouthDiv, NavFac. In estimating total costs, I have also added a conservative cost for the delay of leaving Orlando for a Charleston decision. The $5.13M per year is the difference in O&MN between Orlando and New London as submitted in data by Naval Reactors. It is conservative because no costs are included for achieving a stand-alone condition at Orlando, such as fences and temporary relocation of personnel and support systems being closed. Additionally, the New London Public Works Officer has stated that the New London cost is too high, but I have no certified data to substitute.

The second sheet is a comparison of 1391 costs between New London and Charleston. This is less valid since the New London 1391s are for the larger facility proposed for New London. On both sides I have added a design cost of 6%, as I am told that 1391s do not include design costs, merely construction. On the Charleston side, I have added three items included in the COBRA listing but omitted from the 1391s. I have also added the cost mentioned above for the delay in leaving Orlando. On this sheet, at the bottom, I also show the best estimate for the real cost of a smaller facility at New London provided to you by the Public Works Officer. The significance of this number is that still no effort has been made to minimize costs in New London. Five examples have been provided to you by Duncan Schweitzer of the Public Works Office, which total well over $10M.

The third sheet is my agreement with your estimate of the PCS savings realized from co-location of schools and reactor training. I have added my estimate of savings from instructor PCS if the schools are located in New London. You may or may not accept this.

The significance of my calculations is that, even if the cost of Orlando delay is excluded, New London is the less expensive option in comparison of either COBRA or 1391s. With cost of delay included, all methods of comparison favor New London heavily. As a final note, I have some question of the credibility of some of the Charleston 1391s; reductions of 20% to 25.5% from COBRA estimates are hard to believe, as is a difference of 35% for the same Med/Den facility between Charleston and New London.

If I can be of further help, please call. (203) 536 7179

SHEET 1

COMPARISON OF COBRA PROJECTED COST
($ in Millions)

NEW LONDON		CHARLESTON	
97.6	BEQ	88.9	
36.2	TRAINING	36.4	
7.2	GALLEY	8.2	
4.5	PARKING	2.4	
2.4	PERS SUPPORT	2.6	
6.0	MED-DENTAL	5.3	
1.3	TELEPHONE		
	FIRE STATION	0.2	
155.2 (1)		144.5	(2)
	TERMINATION COSTS AT NEW LONDON	3.1	(2)
	SITE DEVELOPMENT / UTILITIES	13.2	(3)
	TRANSIENT BEQ	4.9	(3)
		165.7	
	2 YEAR DELAY IN CLOSING ORLANDO, O & M DELTA NLON & CHASN $5.13 M/YR	10.26	(4)
$ 155.2 M		$ 176.26 M	

(1) NEMFAKOS MEMO TO BRAC 24 MAY, 1995.

(2) ORIGINAL NAVY SUBMISSION.

(3) SOUTH DIV, NAV FAC MEMO 30 MAY, 1995.

(4) NAV NUC PROP DATA SUBMIT 16 AUG, 1994.

COMPARISON OF 1391 PROJECTED COSTS

NEW LONDON		CHARLESTON
156.0 (1) (2)	1391 COST	148.65 (3)
	PARKING	2.4 (4)
	PERS SUPPORT	2.6 (4)
	FIRE STATION	0.2 (4)
156.0		153.85
9.36 (7)	DESIGN, ARC & ENG	9.23 (7)
	TERMINATION COST IN NEW LONDON	3.1 (5)
	2 YEAR DELAY IN CLOSING ORLANDO, O & M DELTA NLON & CHASN $5.13 M/YR	10.26 (6)
$ 165.36		$177.44

(1) PWO, NLON MEMO TO BRAC, 10 MAY, 1995.

(2) THIS 1391 PROJECTION WAS FOR THE LARGER FACILITY DESIGN.

(3) SOUTH DIV, NAV FAC MEMO 30 MAY, 1995.

(4) OMITTED FROM NOTE (3) MEMO OF 1391 ESTIMATES.

(5) ORIGINAL NAVY SUBMIT.

(6) NAV NUC PROP DATA SUBMIT 16 AUG, 1995.

(7) 1391 DOES NOT INCLUDE DESIGN COST. 6% UTILIZED HERE.

PWO, NLON MEMO 10 MAY, 1995 NOTES REAL COST OF SMALLER FACILITY AT NEW LONDON $168.4 M WITHOUT ANY COST MINIMIZING. MINIMIZING CAN REDUCE COSTS $10-15 M. (SCHWEITZER MEMO)

RECURRING COSTS

PCS savings

from student travel with location at Charleston	$839K
from instructor travel with location at New London	$122K

Net delta	$717K

This PCS delta is a recurring annual savings for a Charleston location, and a recurring annual cost for a New London location.

Frank O'Beirne, Jr.
Captain, USN (Retired)

DATE: 7 June, 1995

TO: Eric Lindenbaum, Navy Team Analyst

SUBJECT: New London Community Position on Nuclear School Redirect Proposal

In our conversation last week, I offered to provide a tabulation of the New London community position with respect to the proposed redirect of the Nuclear Schools from New London to Charleston, SC. A tabulation is included.

The first sheet is a comparison, as we see it, of the COBRA estimate provided you by Mr. Nemfakos, dated 24 May,1995, of the cost of an identical facility in New London as that proposed for Charleston. I believe that a comparison of COBRA with COBRA is valid if all costs are included. On the Charleston side, I have added the site development and utilities cost (infrastructure) and the cost of a never before considered building, the Transient BEQ. These costs were 1391 costs provided to you by SouthDiv, NavFac. In estimating total costs, I have also added a conservative cost for the delay of leaving Orlando for a Charleston decision. The $5.13M per year is the difference in O&MN between Orlando and New London as submitted in data by Naval Reactors. It is conservative because no costs are included for achieving a stand-alone condition at Orlando, such as fences and temporary relocation of personnel and support systems being closed. Additionally, the New London Public Works Officer has stated that the New London cost is too high, but I have no certified data to substitute.

The second sheet is a comparison of 1391 costs between New London and Charleston. This is less valid since the New London 1391s are for the larger facility proposed for New London. On both sides I have added a design cost of 6%, as I am told that 1391s do not include design costs, merely construction. On the Charleston side, I have added three items included in the COBRA listing but omitted from the 1391s. I have also added the cost mentioned above for the delay in leaving Orlando. On this sheet, at the bottom, I also show the best estimate for the real cost of a smaller facility at New London provided to you by the Public Works Officer. The significance of this number is that still no effort has been made to minimize costs in New London. Five examples have been provided to you by Duncan Schweitzer of the Public Works Office, which total well over $10M.

The third sheet is my agreement with your estimate of the PCS savings realized from co-location of schools and reactor training. I have added my estimate of savings from instructor PCS if the schools are located in New London. You may or may not accept this.

The significance of my calculations is that, even if the cost of Orlando delay is excluded, New London is the less expensive option in comparison of either COBRA or 1391s. With cost of delay included, all methods of comparison favor New London heavily. As a final note, I have some question of the credibility of some of the Charleston 1391s; reductions of 20% to 25.5% from COBRA estimates are hard to believe, as is a difference of 35% for the same Med/Den facility between Charleston and New London.

If I can be of further help, please call. (203) 536 7179

SHEET 1

COMPARISON OF COBRA PROJECTED COST
($ in Millions)

NEW LONDON		CHARLESTON	
97.6	BEQ	88.9	
36.2	TRAINING	36.4	
7.2	GALLEY	8.2	
4.5	PARKING	2.4	
2.4	PERS SUPPORT	2.6	
6.0	MED-DENTAL	5.3	
1.3	TELEPHONE		
	FIRE STATION	0.2	
155.2 (1)		144.5	(2)
	TERMINATION COSTS AT NEW LONDON	3.1	(2)
	SITE DEVELOPMENT / UTILITIES	13.2	(3)
	TRANSIENT BEQ	4.9	(3)
		165.7	
	2 YEAR DELAY IN CLOSING ORLANDO, O & M DELTA NLON & CHASN $5.13 M/YR	10.26	(4)
$ 155.2 M		$ 176.26 M	

(1) NEMFAKOS MEMO TO BRAC 24 MAY, 1995.

(2) ORIGINAL NAVY SUBMISSION.

(3) SOUTH DIV, NAV FAC MEMO 30 MAY, 1995.

(4) NAV NUC PROP DATA SUBMIT 16 AUG, 1994.

COMPARISON OF 1391 PROJECTED COSTS

NEW LONDON		CHARLESTON
156.0 (1) (2)	1391 COST	148.65 (3)
	PARKING	2.4 (4)
	PERS SUPPORT	2.6 (4)
	FIRE STATION	0.2 (4)
156.0		153.85
9.36 (7)	DESIGN, ARC & ENG	9.23 (7)
	TERMINATION COST IN NEW LONDON	3.1 (5)
	2 YEAR DELAY IN CLOSING ORLANDO, O & M DELTA NLON & CHASN $5.13 M/YR	10.26 (6)
$ 165.36		$177.44

(1) PWO, NLON MEMO TO BRAC, 10 MAY, 1995.

(2) THIS 1391 PROJECTION WAS FOR THE LARGER FACILITY DESIGN.

(3) SOUTH DIV, NAV FAC MEMO 30 MAY, 1995.

(4) OMITTED FROM NOTE (3) MEMO OF 1391 ESTIMATES.

(5) ORIGINAL NAVY SUBMIT.

(6) NAV NUC PROP DATA SUBMIT 16 AUG, 1995.

(7) 1391 DOES NOT INCLUDE DESIGN COST. 6% UTILIZED HERE.

PWO, NLON MEMO 10 MAY, 1995 NOTES REAL COST OF SMALLER FACILITY AT NEW LONDON $168.4 M WITHOUT ANY COST MINIMIZING. MINIMIZING CAN REDUCE COSTS $10-15 M. (SCHWEITZER MEMO)

RECURRING COSTS

PCS savings

from student travel with location at Charleston	$839K
from instructor travel with location at New London	$122K
Net delta	$717K

This PCS delta is a recurring annual savings for a Charleston location, and a recurring annual cost for a New London location.

ENLISTED $\frac{2166 \text{ ENL}}{2} = 1083$

50% = 975 single

10% = 108 married

OFFICER $\frac{224}{2} = 112$

50% = 101 single

10% = 11 married

975 x 370 = 360,750

108 x 2,784 = 300,672

101 x 1363 = 137,663

11 x 3592 = 39,512

360,750
300,672
137,663
39,512
$ 838,597

357
360

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION DRC

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950410-11

FROM: FINK, O. J.	TO: YELLIN, ALEX
TITLE: COOR. FOR LOCAL GOV. ASSIST.	TITLE: NAVY TEAM LEADER
ORGANIZATION: SOUTH CAROLINA	ORGANIZATION: DBCRC
INSTALLATION (s) DISCUSSED: CHARLESTON NAVAL WEAPONS STATION	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR./CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE	✓		
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER		X	
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

✓	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

REQUESTING DBCRC VISIT THE STATION.

Due Date: 950412	Routing Date: 950410	Date Originated: 950407	Mail Date:

STATE OF SOUTH CAROLINA

State Budget and Control Board

OFFICE OF LOCAL GOVERNMENT

DAVID M. BEASLEY, CHAIRMAN
GOVERNOR

RICHARD A. ECKSTROM
STATE TREASURER

EARLE E. MORRIS, JR.
COMPTROLLER GENERAL

P.O. BOX 11867
COLUMBIA, SOUTH CAROLINA 29211
(803) 734-2382

MICHAEL S. GULLEDGE
DIRECTOR

JOHN DRUMMOND
CHAIRMAN, SENATE FINANCE

HENRY B. BROWN, JR.
CHAIRMAN, WAYS AND MEANS COMMITTEE

LUTHER F. CARTER
EXECUTIVE DIRECTOR

Mr. S. Alexander Yellin
Navy Team Leader
Defense Base Closure and
Realignment Commission
Arlington, Virginia

7 April 95

Dear Mr. ~~Yellin~~ ALEX

In my capacity as central coordinator for the State of South Carolina with regard to BRAC-95, I would like to solicit your assistance. My recent attendance at the Regional Hearing in Birmingham highlighted the issue of relocating the Navy Nuclear Training School. It now appears that this issue may well be a three way "tug of war" between the status quo, the 1993 decision, and the 1995 recommendation.

During my testimony to the Commissioners in Birmingham, I got the impression there was a degree of surprise when they heard that a portion of nuclear training already takes place in Charleston, and that there are currently training vessels moored there to facilitate that training. The issue was confused by a statement made by a Florida Representative indicating that there were "no subs" left in Charleston for training...not true!!

After consultation with our U.S. delegation and the In Defense of Charleston Committee, we consider it necessary for the BRAC to visit the Charleston Naval Weapons Station in order to more accurately assess the existing facilities. It's my understanding that Commissioners do not visit "gaining" installations, but that the staff may. Given the degree to which Charleston has already been involved in, and affected by, the BRAC process, I would hope someone of <u>your experience and stature</u> could conduct such a visit. Please consider this invitation to represent not only State and local interest, but that of the South Carolina Congressional Delegation as well.

Thank-you for your continued outstanding support of our efforts.

Sincerely,

O.J. Fink, Jr.

UNCLASSIFIED
FACSIMILE COVER SHEET

FROM: JAMES E. EIMES
NAVAL REACTORS
(703) 603-6007/6008
FAX #: (703) 603-5377

TO: E. Lindenbaum

FAX #: 703 696 0550

CONFIRMATION #: (703) 603-6007/6008
(703) 602-1689/1695

THIS FAX CONSISTS OF 3 PAGES INCLUDING THIS SHEET

COMMENTS:

For your info.

___ PLEASE PHONE UPON RECEIPT OF THIS FAX

___ PLEASE PHONE IF COPY RECEIVED IS NOT CLEAR

UNCLASSIFIED

OPNAV 5216/144A (Rev. 8-81)
S/N 0107-LF-052-2320

DEPARTMENT OF THE NAVY

Memorandum

DATE: 15 May 1995

FROM: J. E. Eimes

TO: Public Works Officer, SUBASE NLON

SUBJ: COMMENTS ON BRACON COST TABLE PROVIDED TO BASE CLOSURE AND REALIGNMENT COMMISSION STAFF

Ref(a): SUBASE NLON Memorandum Ser 000/0014 dated 10 may 1995

1. Ref (a) provided a BRACON cost table to the Base Closure and Realignment Commission (BRAC) staff. The table provides cost estimates for the relocation of the Naval Nuclear Power Training Command (NNPTC) from Orlando, Florida to SUBASE NLON per BRAC III. One column of the table includes data for a relocation scenario of NNPTC to NLON with a reduced school population. Naval Reactors has the following comments on the cost estimates for this reduced population scenario:

a. The table shows a cost reduction for the BEQ from $111.3M to $96.3M based upon scaling down the design being prepared for use in NLON from 2800 berths to 2473 berths. The design being prepared for use in NLON does not meet current BEQ new construction standards so the scaling down improperly shows a savings. In fact, if 2473 berths were provided that meet current standards the size of the BEQ would <u>increase</u> approximately 15% with a corresponding <u>increase</u> in cost of several million dollars. For your information, Naval Reactors is requesting approval not to fully meet the current standards for Charleston, South Carolina; however, the BEQ being considered for Charleston still exceeds the standards and size of the NLON BEQ design.

b. The table shows a reduction for BEQ parking from $14.1M to $8.0M or about a 43% decrease in cost. The existing parking requirement is 2043 spaces (1700 spaces for the BEQ and 343 spaces to replace spaces lost due to the construction of NNPTC facilities). Scaling down the BEQ parking spaces gives:

$$1700 \text{ spaces} \times 2473/2800 = 1500 \text{ spaces}$$

The reduced parking requirement would thus be 1500 + 343 = 1843 parking spaces. The reduction in the parking space requirement (2043 → 1843) is therefore less than 10%. A quick review of the "Phase I On-base Parking Analysis" dated 4 April 1995 shows the recommended option provides 1978 parking spaces with a minimum cost of $14.1M and a maximum cost of $16.2M. Providing 1843 parking spaces would cost

Ser 08B/95-BARFL

closer to $14M than the $8.0M indicated.

c. The table shows a change in the design of academic building 499 and to a lesser extent building 83/84. The number and size of classrooms were changed. These changes do not meet the NNPTC functional requirements for either NLON or Charleston, South Carolina, and would likely increase slightly the number of school staff needed. Naval Reactors was not afforded the opportunity to review these proposed changes and does not concur with the academic building changes.

2. The BRACON cost table lists the cost to construct the Galley as $7.774M. The "Building Budget Estimate Summary Sheet" dated March 1995 lists the cost as $8.9M. The $7.774M figure appears to be the contract cost without other factors such as Supervision Inspection and Overhead. Other costs listed in the table cannot be validated by Naval Reactors as Naval Reactors does not have all the cost estimate documentation available to NLON.

J. E. Eimes

J. E. Eimes
By direction

Copy to:
E. J. Lindenbaum, BRAC staff
LCDR Bertolaccini, BSAT

Eric

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950524-16

FROM: GRAHAM, BOB	TO: COX, REBECCA
TITLE: SENATOR (FL)	TITLE: COMMISSIONER
ORGANIZATION: U.S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION (s) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR./CONGRESSIONAL LIAISON				COMMISSIONER STEELE	✓		
DIR./COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER	✓		
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER	✓		
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

COMMENDING COMMISSION ON HANDLING OF PROCESS SO FAR.

Due Date:	Routing Date: 950524	Date Originated: 950518	Mail Date:

BOB GRAHAM
FLORIDA

United States Senate

WASHINGTON, DC 20510-0903

May 18, 1995

Ms. Rebecca Cox
C/o Defense Base Realignment
And Closure Commission
1700 North Moore Street, Suite 1425
Arlington, Virginia 22209

Dear Ms. Cox:

I commend you on the work that the Defense Base Realignment and Closure Commission (BRAC) has done thus far in this difficult and challenging base closure process. We Floridians entered the BRAC process knowing well that our military facilities are among the best and the most militarily valuable in the world. Moreover, they are national assets upon which our Nation depends heavily for its national security.

I am glad that we had the opportunity to meet and discuss many of these important base closure issues. To date, I have been very impressed with the Commission's work. Clearly, all members of the BRAC commission, strive to make fair judgments and have a strong commitment to what is in the best interest of our Nation.

As you may appreciate, there are still a number of things that I am concerned about regarding this base closure process, including the future of Homestead ARB, Eglin AFB's test equipment, and the Orlando Navy Nuclear Propulsion Training Center. It is my continued hope that the Commission will pursue actions which seek the best economic and strategic options for our Nation as it proceeds in the final months of the base closure and realignment process.

I wish you the best as we continue in the base closure process, and I look forward to working with you closely in the remaining months. Please feel free to contact me or my staff if there is anything I can do to be of assistance to you.

With warm regards,

Sincerely,

United States Senator

BG/jmp

DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20350-1000

LT-0759-F15
BSAT/TG
2 May 1995

The Honorable Strom Thurmond
United States Senate
Washington, DC 20510

Dear Senator Thurmond:

This is in response to the recent query by Mr. George Lauffer of your staff, concerning the Navy Nuclear Power Training Command (NNPTC).

Response to Mr. Lauffer's questions regarding sunk costs in support of the relocation of the NNPTC to New London, student distribution between training activities, and the submarine homeporting plan for FY 2001, is attached. The information provided is based on certified data contained in the Department of the Navy's 1995 Base Structure Data Base. I trust this information satisfactorily addresses your concerns.

As always, if I can be of any further assistance, please let me know.

Sincerely,

C. P. NEMFAKOS
Vice Chairman,
Base Structure Evaluation Committee

Attachment

SENATOR STROM THURMOND'S QUESTIONS CONCERNING
THE NAVY NUCLEAR POWER TRAINING COMMAND

Q1. How much design money and construction funding has been spent in support of relocating the nuclear power school to New London?

A1. Planning and design work for the relocation of the Nuclear Field "A" School and the Nuclear Power School to Submarine Base (SUBASE) New London, Connecticut, will be stopped at the earliest opportunity consistent with good business judgment and the requirements of the base closure process. It is anticipated that about $10.3 million will have been spent on this effort. The estimated cost of terminating ongoing construction contracts is $100,000.

Q2. What is the projected percent of the students to be trained at the nuclear power in 2001 at New London or Charleston? What number at Idaho National Engineering Laboratory (INEL)?

A2. Fifty percent of the nuclear power school graduates will receive prototype training at Ballston Spa, New York and fifty percent will be trained at Charleston, South Carolina. Prototype training is no longer conducted at INEL.

Q3. What number of submarines are planned to be homeported at the following bases in 2001:

-- New London
-- Norfolk
-- Kings Bay
-- Pearl Harbor
-- other

A3. In 2001, 26 attack submarines will be assigned to CINCLANTFLT and 25 will be assigned to CINCPACFLT. Their homeports are subject to change and are at the discretion of the fleet commanders. Ballistic missile submarines will only be homeported at Kings Bay, Georgia and Bangor, Washington, and the number will vary based on strategic requirements. Current plans call for ten east coast and eight west coast ballistic missile submarines.

OPNAV 5216/144A (Rev. 8-81)
S/N 0107-LF-052-2320

DEPARTMENT OF THE NAVY

Memorandum

DATE: 31 October 94

FROM: J. E. Eimes

TO: CDR Barfield

SUBJ: NUCLEAR FIELD "A" SCHOOL AND NUCLEAR POWER SCHOOL THROUGHPUT AND STAFF SIZE IN 2001

1. Nuclear Field "A" School (NFAS) and Nuclear Power School (NPS) throughput projected in 2001 is as follows:

YEAR 2001		
	OFFICER INPUT	ENLISTED INPUT
NFAS	NONE	2800
NPS	450	2225

Staffing levels for each school in 2001 is:

NFAS - 283
NPS - 229

J. E. Eimes

J. E. Eimes

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DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20350-1000

LT-0679-F14
BSAT/SB
11 April 1995

The Honorable Alan J. Dixon
Chairman, Defense Base Closure
and Realignment Commission
1700 North Moore Street
Suite 1425
Arlington, VA 22209

Dear Chairman Dixon:

The response to questions asked by Eric Lindenbaum of your staff, on April 3, 1995, concerning the Navy Nuclear Power Training Command (reference number: 950403-1), is attached. In accordance with Section 2903(c)(5) of the Defense Base Closure and Realignment Act of 1990, I certify the information provided to you in this transmittal is accurate and complete to the best of my knowledge and belief.

We expect to be able to provide you with additional Cost of Base Realignments (COBRA) data, as promised in our response, by the end of April 1995. As always, if I can be of any further assistance, please let me know.

Sincerely,

C.P. NEMFAKOS
Vice Chairman,
Base Structure Evaluation Committee

Attachment

DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION QUESTIONS CONCERNING THE NAVY NUCLEAR POWER TRAINING COMMAND

Q1. Upon review of COBRA data two figures appear to need justification. These are:

- Annual PCS cost avoidance of $6,237,000. This figure appears too high in view of $537,000 from certified data call which is backed by historical data from prior Nuclear Power School student PCS costs.

- Annual non-payroll BOS costs for miscellaneous costs of $960,000. This figure also appears too high and may be due to using the pre-existing BOS for the Weapons Station which would be lowered (on a per capita basis) by the addition of students.

Request comment on these figures as they drive the COBRA to two different final results depending on which amount is used.

A1. Permanent Change of Station (PCS) Cost Avoidance. The Department of the Navy's Base Structure Evaluation Committee (BSEC) believed that the initial $537,000 estimate of PCS savings was not reasonable for a variety of reasons, to include the number and type of students involved and the duration of the training evolution. In the absence of a more reasonable estimate, the BSEC chose to use the standard Cost of Base Realignment Actions (COBRA) algorithms for calculating moving costs to estimate this savings.

Annual Non-Payroll Base Operating Support (BOS) Costs. We agree with your assessment that our initial estimate overstated non-payroll BOS costs at WPNSTA Charleston. We are correcting this overstatement and will provide you with a revised COBRA run as soon as we have finished our review.

BRLC

DEPARTMENT OF THE NAVY
THE ASSISTANT SECRETARY OF THE NAVY
(INSTALLATIONS AND ENVIRONMENT)
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

APR 26 1995

The Honorable Bill McCollum
House of Representatives
Washington, D.C. 20515

Dear Mr. McCollum:

This is in further response to your letter of March 27, 1995, to Secretary Dalton, concerning the Navy Nuclear Power Training Command (NNPTC).

In my letter of April 7, 1995, I provided answers to 11 of your 31 questions. Our answers to the remaining questions are attached; they are based on certified data obtained from the reply to a data call we issued specifically to enable our response to your query. I trust that the information provided satisfactorily addresses your concerns.

As always, if I can be of any further assistance, please let me know.

Sincerely,

R B Pirie Jr

ROBERT B. PIRIE, JR.

Attachment

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REPRESENTATIVE BILL MCCOLLUM'S QUESTIONS
CONCERNING THE NAVY NUCLEAR POWER TRAINING COMMAND

Q1. According to the 1995 BRAC Recommendations regarding the Navy Nuclear Power Propulsion Training Center located at the Orlando Naval Training Center, the Department of Defense is requesting a realignment of the school to Naval Weapons Station, Charleston (NWS) to "provide ready access to the moored training ships now at the Weapons Station...."

I have been informed that there is one (1) moored training ship located at NWS with only limited room for training purposes. Please indicate the correct number of moored training ships currently located at NWS Charleston, the number of power school students able to train on the ship at one time, and the AOB currently for the training ship moored at NWS.

A1. There are two Moored Training Ships at the Naval Weapons Station (WPNSTA), Charleston, South Carolina. Historically, each training platform has been able to train about 200-250 students simultaneously; however, this is highly dependent on factors such as maintenance schedules. Each Moored Training Ship currently has about 250 students on board.

Q2. When students graduate from the Nuclear Field "A" School and the Nuclear Power School located in Orlando, please list the classes and/or courses that each graduate is required to attend and specify all possible locations where such follow-on training is taught. Does this curriculum require training on nuclear reactor prototypes?

A2. Nuclear Field "A" School. This School actually comprises three separate schools for enlisted personnel: a Machinist's Mate School, an Electrician's Mate School, and an Electronics Technician School. The Machinist's Mate School has courses in mathematics, basic machinery, and mechanical equipment. The Electrician's Mate School has courses in mathematics, basic electricity, electronics, and electrical equipment. The Electronics Technician School has courses in mathematics, basic electricity, electronics fundamentals, communications equipment fundamentals, digital microprocessor fundamentals, and radar fundamentals. The curricula for the Nuclear Field "A" School do not involve hands-on training on nuclear reactor prototypes. Following the Nuclear Field "A" School, students attend the Nuclear Power School.

Nuclear Power School. Enlisted personnel and officers attend this School. The curriculum for enlisted students has courses in mathematics, physics, heat transfer and fluid flow, reactor plant systems, reactor principles, chemistry, materials, radiological fundamentals, and mechanical and electrical theory. With the exception of mechanical and electrical theory, the curriculum for officers has courses in the same subjects as for enlisted personnel, and courses in electrical engineering, core

characteristics, and the aspects of reactor plant operations. The curricula for the Nuclear Power School do not involve hands-on training on nuclear reactor prototypes. All graduates of the Nuclear Power School, enlisted and officer, receive follow-on training at either a Moored Training Ship at WPNSTA Charleston or at a prototype in Ballston Spa, New York, the only locations where facilities to support this training exist.

Q3. It is my understanding that graduates of the Nuclear Power School engage in follow-on training to gain hands-on experience with "prototype nuclear reactors in either Charleston (if they are submariners) or Ballston Spa, New York (if they are surface fleet). Is this true?

A3. Graduates of the Nuclear Power School may be trained at any Moored Training Ship or prototype regardless of whether their ultimate assignment in the fleet will be a submarine or a surface ship.

Q4. For all training locations where Nuclear Power Students are transferred immediately from Orlando, other than Charleston or Ballston Spa, please list the location and the type of training taught at each location.

A4. All graduates of the Nuclear Power School are only sent to either WPNSTA Charleston or Ballston Spa.

Q5. Please list the actual number of graduates in 1992, 1993, 1994 and 1995 (projected) that graduated or will graduate from Orlando and transferred or will transfer directly to Charleston, Ballston Spa and any additional locations for follow-on training. In addition, please list the permanent change of station costs associated with relocating each student to each location used for the next level of training.

A5. The following are historical and projected numbers of graduates of the Nuclear Power School at the Naval Training Center (NTC), Orlando, Florida, by fiscal year:

1992	1993	1994	1995
2,786	2,572	1,888	2,178

Presented below are typical permanent change of station (PCS) costs for graduates of the Nuclear Power School at NTC Orlando to follow-on training:

Destination	Enlisted PCS Costs			Officer PCS Costs		
	Pay-grade	Without Dependents	With Dependents	Pay-grade	Without Dependents	With Dependents
WPNSTA Charleston	E-4	$228	$2,213	O-1	$1,260	$3,176
Ballston Spa	E-4	$507	$3,371	O-1	$1,955	$5,007

Note: The PCS costs cited above were taken from Department of the Navy Bureau of Personnel's Enlisted and Officer Cost Tables and are preliminary cost estimates used when writing PCS orders.

Q6. Please describe in detail each of the "prototype nuclear reactors" located in Charleston and Ballston Spa (and any other locations where Orlando graduates train). For each, please supply the age of the prototype, the date it was installed at the facility, and the number of prototypes located at each facility.

A6. As mentioned earlier, all graduates of the Nuclear Power School are sent only to either WPNSTA Charleston or Ballston Spa. Each site operates two nuclear propulsion plants for training.

WPNSTA Charleston. Students at WPNSTA Charleston train on either Moored Training Ship 635 or 626. The Moored Training Ships are the former S5W submarines USS SAM RAYBURN (SSBN 635) and USS DANIEL WEBSTER (SSBN 626). The USS SAM RAYBURN and the USS DANIEL WEBSTER were commissioned in 1964. Each ship was converted for training use by removing the missile compartment and reconfiguring the forward end of the submarine to accommodate support systems. Moored Training Ship 635 began operations in WPNSTA Charleston in 1989, Moored Training Ship 626, in 1993.

Ballston Spa. Students at Ballston Spa train at either the Modified Advanced Reactor Facility (MARF) or S8G prototype. The MARF started operations in 1976 and was designed to test various types of prototypical equipment although the plant as a whole is not prototypical of any single ship design. The S8G prototype began operation in 1978 and is the propulsion plant prototype for TRIDENT Class submarines.

Q7. For each of the "prototype nuclear reactors" listed in question three, what is its useful life in years? How has this useful life been determined?

A7. The MARF and S8G prototypes are each considered to have a useful service life of about 50 years. The Moored Training Ships are each considered to have a 25 year post-conversion service life because part of their life was expended as an SSBN. Service life is based on ongoing engineering analysis of major plant components.

Q8. What was the AOB number of students trained in each of the last three years at the Nuclear Field A School and the Nuclear Power School? What is the average length of study for Nuclear Field A School? For Nuclear Power School?

A8. Presented below are the NNPTC student Average On Board (AOB) figures for the last three complete fiscal years:

School	Average On Board (AOB)		
	FY 1992	FY 1993	FY 1994
Nuclear Field "A" School	1,331	1,165	982
Nuclear Power School	1,783	1,617	1,140

Presented below are the program lengths for curricula taught at the NNPTC:

School	Program	Length (Calendar Days)
Nuclear Field "A" School	Machinist's Mate School	91 days
	Electrician's Mate School	112 days
	Electronics Technician School	196 days
Nuclear Power School		168 days

Q9. Do all students that graduate from Nuclear Field A School and/or Nuclear Power School receive some training on the prototypes located at Charleston or Ballston Spa? What is the average length of study for this "hands-on" training? If students graduate from Orlando and do not train on these prototypes, what other training do they obtain before going to the fleet?

A9. As mentioned earlier, all graduates of the Nuclear Power School receive follow-on training on a Moored Training Ship at WPNSTA Charleston or prototype at Ballston Spa. The length of this training at each site is 182 calendar days.

Q10. What is the maximum number of students who at present can be trained annually at Nuclear Field A School and the Nuclear Power School without any additional construction, alteration, repair, or maintenance at existing facilities in Orlando?

A10. The maximum number of enlisted students that could be input into the nuclear power training pipeline at NTC Orlando, is about 2,700 annually; the limiting factor is Bachelor Enlisted Quarters (BEQ) availability. The maximum number of officer students that could be trained annually at the Nuclear Power School is about 850; because officer students reside off-base, BOQ availability is not a limiting factor.

Q11. Please list the total base operation support costs of the Nuclear Field A School and the Nuclear Power School in 1992, 1993, and 1994. Please estimate the BOS costs if the schools were to remain in their current locations and the NTC Orlando closes on schedule. Please estimate any one-time costs that would be necessary should the schools remain in their current location.

A11. Base operating support (BOS) costs for the NNPTC at NTC Orlando, for fiscal years 1992, 1993, and 1994, cannot be provided because NTC base records do not identify support provided on a school-by-school basis. Total recurring annual costs to operate only these two schools after NTC Orlando closes have been estimated to be $19.3 million. The one-time costs required, should NNPTC remain in Orlando, include: a maintenance and repair backlog that totals nearly $8 million, $25.7 million in BEQ upgrades and new construction, and $165 thousand programmed to move the fence line to enclose only those facilities in direct support of the NNPTC and construct a gate house.

Q14. Please explain the difference between the squadbay-type BEQs located in Orlando and the new Navy-standard BEQs.

A14. Two types of BEQs are currently used to house Nuclear Field "A" School students and enlisted students at the Nuclear Power School:

a. Welton-Beckett design consisting of a common entrance/ living area shared by four two- or three-person rooms of 255 net square feet each, with individual baths.

b. Semi-open bay, designed to house 60 persons per bay, partitioned into cubicles with 4 persons per cubicle, 72 net square feet per person, with a central head. These BEQs are used primarily for Nuclear Field "A" School students.

c. Module type BEQ's consisting of rooms with 288 net square feet each with separate bath, housing two or three personnel depending on "A" school loading.

The new April 1995 Navy standard consists of a 66 gross square meter module with:

a. Two 118 net square feet (11 net square meters) living/sleeping rooms (one per person);

b. Two closets (one per person) with 21 net square feet (2 net square meters) each;

c. Shared bath and kitchenette; and

d. Interior module circulation.

Q15. It is my understanding that a "bunk reduction" project is in progress in Orlando to increase the habitability of nuclear power students to ninety square feet per occupant. This project would reduce the number of barracks in Orlando from 3,008 to 2,800. Once this project is completed, will the facilities in Orlando meet the new Navy-standard for BEQs? If not, why. What else could be done to rehabilitate these facilities to comply with the new Navy-standard for BEQs? What would be the total cost to rehabilitate these facilities?

A15. In April 1995, CNO approved new BEQ standards for the Navy. To keep our analysis consistent, the calculations and information provided below is based on the same standards that were in effect during the DON BRAC 95 process. The BEQs at NTC Orlando can continue to be improved by converting three person rooms to two person rooms where this is practical. To upgrade the Orlando BEQs to comply fully with new construction standards may not be cost effective and building new barracks would cost $81.5 million. The semi-open bay, Welton-Beckett, and rectangular room configurations could be remodeled to provide approximate space to meet occupancy standards. Remaining requirements would be met through new construction. The following table shows how this action could be effected (NOTE: Costs would be higher with the April 1995 standards):

BEQ Type	# PN	SF	Cost ($000)
Semi-open Bay	264	66,064 gsf	4,617
Welton-Beckett	1,324	168,810 nsf	6,390
Rectangular	552	78,384 nsf	2,967
New Construction	360	95,940 gsf	11,715
		TOTAL COST:	25,689

The new construction requirement has been reduced to ensure the same AOB will be supported at both Charleston and Orlando. Using the COBRA rehabilitation factor, semi-open bay BEQs can be converted for about 75% of construction cost. Rectangular and Welton-Beckett conversions include constructing four partitions and two closets, two electrical circuits, and counter top with refrigerator and microwave. No structural or circulation changes will be made to the buildings.

Q21. It is my understanding that the property located around the proposed new site for the Nuclear Power School is closely located to the weapons storage area at Naval Weapons Station Charleston. Is my understanding correct? Please provide a map of the current facilities at NWS Charleston and the proposed location of the Nuclear Power School. How close can the Navy build facilities to the existing NWS without creating a hazard?

A21. Refer to the attached map (page 10). The proposed new site for the NNPTC (within the area highlighted in yellow) is outside of weapons explosion arcs adjacent to a base housing area. Locations inside the weapons explosion arcs will not be considered.

Q22. Please provide the Explosive Safety Quantity Distances (ESQD) for any proposed MILCON and potential explosive sources. Will all of the new construction afford an acceptable degree of protection and safety for inhabitants and students?

A22. See response to question 21.

Q24. Where will NWS obtain utilities to support the Nuclear Power School - from Navy-owned plants or from the local government sector? Does the NWS have sufficient capacity in electrical, water, sewer, gas and telephone to accommodate the Nuclear Power School? What is the current usage, current excess capacity, and the anticipated usage once the schools are transferred to Charleston?

A24. Water, sewer, natural gas, and electricity for support of the schools will be obtained from the local government sector. How telephone service will be provided to the schools has not yet been decided. WPNSTA Charleston has sufficient utility capacity to support the schools. Usage for water varies by season and base operational tempo; the usage from mid-February to mid-March 1995 was about 53,000 gallons. Sewer usage is about 1.2 million gallons per day. Natural gas usage is about 1.8 decatherms per month. Electricity usage is about 16,000 KW per month. Increased utility usage if the schools are transferred to WPNSTA Charleston is expected to be within the capacity of the utility systems.

Q28. NAVFACINST 11010.44E (Shore Facilities Planning Manual) requires NAVSEASYSCOM to review the proposed location of all

projects encumbered by ammunition and explosives and provide review comments to the CNO. Does this instruction apply to the relocation of this facility? If so, have review comments been provided to the CNO? If so, please provide a copy of these comments, and if not, please specify when these comments are expected to be provided to the CNO.

A28. NAVFACINST 11010.44E does apply to the relocation to WPNSTA Charleston. Naval Sea Systems Command review comments on the relocation have not yet been provided to the Chief of Naval Operations. The Naval Facilities Southern Division is developing facilities documents based on training requirements provided by NAVSEASYSCOM and in accordance with NAVFACINST 11010.44E. NAVSEASYSCOM will have the opportunity to comment on the relocation when the documents are completed.

Q29. Furthermore, the same instruction as noted in the previous question requires the SPAWARSYSCOM to certify the electromagnetic radiation safety of facilities. Since the Nuclear Power School currently uses rooftop mounted radar antenna, will such a certification be made to ensure that the Nuclear School training does not interfere with the mission or safety of NWS Charleston? If not, why? If so, please provide a copy of this certification.

A29. All applicable certifications for the rooftop mounted radars will be obtained for the WPNSTA Charleston site. The radars are safe for both personnel and the most sensitive ordinance after a distance of only 22 feet, so interference with mission accomplishment is not expected.

Q30. How much money has been spent to date to perform site planning and preliminary design work at New London for the relocation of Nuclear Power School Orlando? How much of this work product could be recouped by adapting these designs for Charleston?

A30. Planning and design work for the relocation of the Nuclear Field "A" School and the Nuclear Power School to Submarine Base (SUBASE) New London, Connecticut, will be stopped at the earliest opportunity consistent with good business judgment and the requirements of the base closure process. It is anticipated that about $10.3 million will have been spent on this effort. Little, if any, of the design effort for the Schools' relocation to SUBASE New London will be adaptable to WPNSTA Charleston because the existing buildings at New London are planned for refurbishment, the academic buildings for Charleston would be new construction. Also, site conditions differ considerably between the two locations. For example, the site in New London is a rocky river valley, whereas the site in Charleston is flat and soft, which requires a different type of foundation.

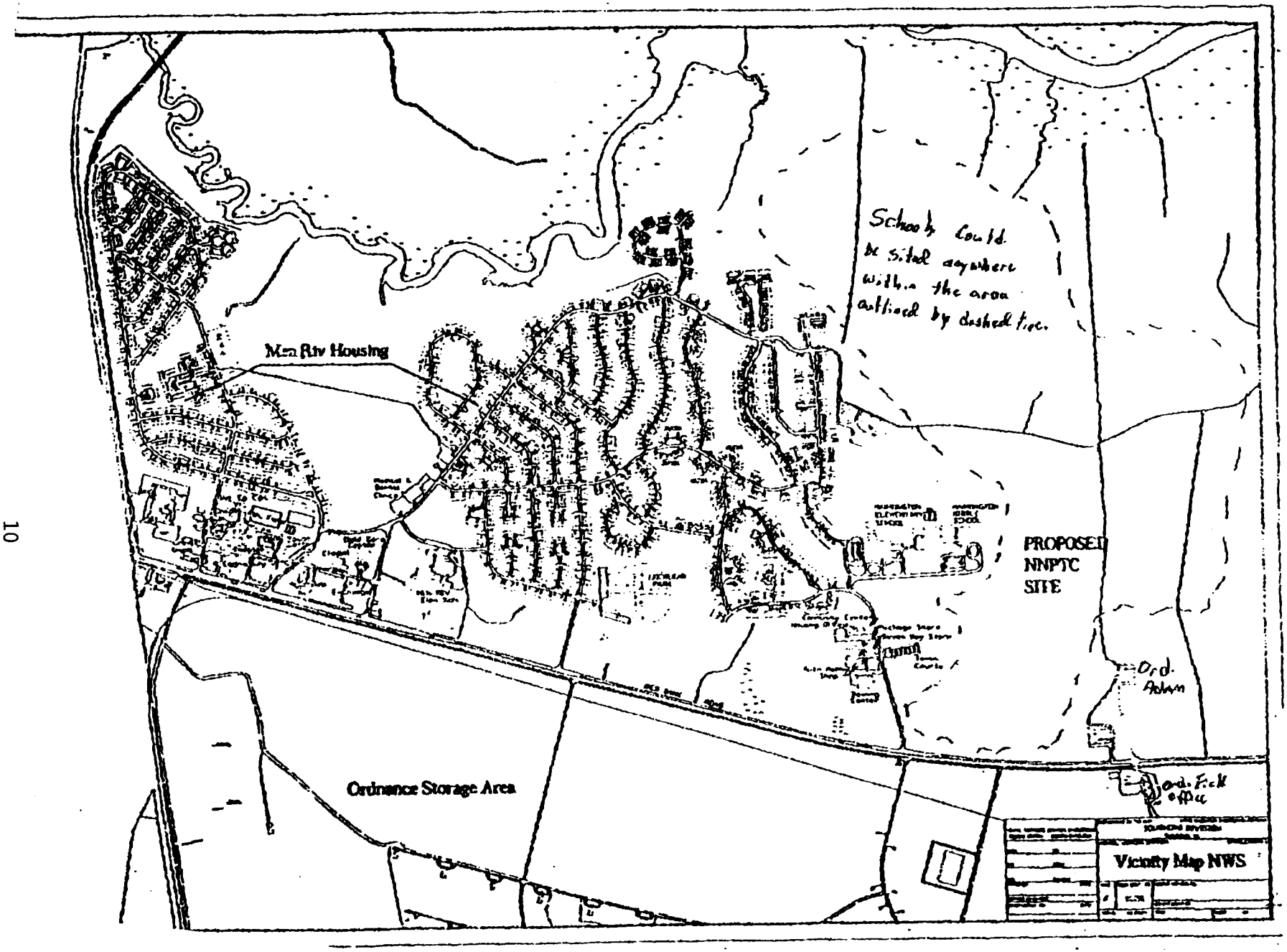
Q31. Is there sufficient housing on base or in the community for

Nuclear Power School students and faculty in the Charleston community? In the New London community? Please list your sources and the data utilized to arrive at this conclusion.

A31. Regardless of NNPTC receiving site location, WPNSTA Charleston or SUBASE New London, BEQs for enlisted students of the Nuclear Field "A" School and Nuclear Power School will have to be constructed. Officer students can live off-base at both locations as is currently done in Orlando.

Based on information provided by the base housing office in Charleston, they will have an excess of approximately 800 units upon closure of Naval Station Charleston. Historically, approximately 75% of the enlisted staff and 10% of the enlisted students are married and require family type housing. This is approximately 380 staff and 220 students (total 600) requiring housing. Because this is only about three-fourths of the projected excess, the WPNSTA Charleston housing office feels confident in their ability to house all NNPTC staff and students who desire family housing. Base housing for married students would most likely not be available in New London. Married students not living in base housing can live off base in both locations. Some lesser amount of base housing for school staff would likely be available in New London.

This assessment was made based on information provided by base housing offices at both New London and Charleston.


Schools could be sited anywhere within the area outlined by dashed line.
Man Riv Housing
PROPOSED NNPTC SITE
Ordnance Storage Area
Ord. Admin
Ord. Field office
Vicinity Map NWS

PERMANENT CHANGE OF STATION SAVINGS FROM INSTRUCTORS

Total enlisted staff = 365

for average tour of 3 years, this means average of about 121 staff departing each year, and 121 new arrivals, for a total 242 moves.

About 60% of nuclear trained sailors are submariners; about 30% of submarines will be in New London in 2001.If the assumption can be made that instructors will come from/go to ships, then:

242 x .6 x .3 = 44 sailors would not move PCS

These are senior enlisted personnel, mostly married.

44 x $2784 = $122.5 thousand annual savings.

11000
Ser 800/ 0014
10 MAY 1995

MEMORANDUM FOR THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION (ATTN: ERIC J. LINDENBAUM)

Subj: BRAC 95 REDIRECT OF NR ORLANDO MOVE TO SUBASE NLON

Encl: (1) BRACON Cost Table

1. Following your request, we have evaluated the change in construction cost and design fees that result from a revised population of 2905. That evaluation predicts a total cost of $168M which amounts to a $24M reduction.

2. Enclosure (1) displays changes for each BRACON. A point of contact for these figures is Mr. Duncan Schweitzer, Director of Engineering at (203) 449-3841.

O. E. BARFIELD
Commander, U. S. Navy
Public Works Officer

Copy to:
CINCLANTFLT (N95)

OPTIONAL FORM 99 (7-90)
FAX TRANSMITTAL
# of pages ▶ 2
To ERIC
Dept./Agency
Fax # (703) 696-0550
From COR BARFIELD
Phone # (203) 449-3841
Fax #
NSN 7540-01-317-7368 5099-101 GENERAL SERVICES ADMINISTRATION

FAX RCVD FROM PWO SUBASE NLON 10MAY

FAX RCVD AWN PWO SUBASE NLON 10MAY

BASE CLOSURE III
BASE REALIGNMENT AND CLOSURE (1993 COMMISSION)
FINANCIAL SUMMARY - EXCERPT, BRACON PROJECTS ONLY
($000)

ONE TIME COSTS	PROJECT COST ESTIMATE BY SOURCE					CURRENT	W/ REV. PER. OF 2905	AMOUNT FUNDED
	COBRA	PER OR 1391 DOC	SCHEM. DESIGN	35% DESIGN DEVLPMT	100% BID DOCS			
NEW LONDON MILCON								
PSR/PSD (P-447)	$590	$2,424	N/A	$2,162	$2,155	$2,155	$2,135	$2,424
CLINIC (P-307)	$6,000	$6,000	$6,000	$6,000		$6,000	$6,000	$5,000
RELOC ADMIN (P-432)	$4,600	$5,500				$5,500	$5,500	$4,600
BARRACKS (P-444)	$58,500	$76,735	$112,255	$111,283		$111,283	$96,330 Note 1	$134,030
BEQ PARKING, ALSO P-484	N/A	$22,400	$14,100			14,100	$8,000 Note 1	
GALLEY (P-445)	$7,500	$7,000	$5,055	$7,774		$7,774	$7,774	$7,240
PARK STRUCTURE (P-445)	$4,500	$5,372				$5,372	$5,372	$4,500
BLDG 83/84 (P-443)	$4,500	$13,400	$13,120	$12,731		$12,731	$12,731	$13,400
BLDG 426/437 (P-449)	$2,100	$8,200	N/A	$8,566		$8,555	$8,555	$2,400
UPGRADE PROWSS (P-450)	$1,120	$1,250	$1,202	$1,230		$1,230	$1,230	$1,250
BLDG 499 (P-451)	$1,000	$17,478	$17,467	$17,799		$17,799	$11,000 Note 2	$16,700
DSGN FSS INCR FOR REV.	N/A	N/A	N/A	N/A	N/A	N/A	$750	N/A
GRAND TOTAL Note 3	$91,110	$165,999	$193,938	$192,518	$192,540	$192,540	$169,408	$162,544

NOTES:

1. Accounts for a reduction in berths from 2800 to 2470, along with commensurate parking adjustment.

2. Assumes 13 classrooms (versus 11) accommodates 21 persons each (no movement of partitions required). Also places 3400 SF of admin space into Bldg 83/84, with the remaining admin placed into the building 499 addition.

3. GRAND TOTAL figures include the most recent figure for each project. For example, the GRAND TOTAL for the SCHEM. DESIGN column contains the PSR project figure for P-447, P-432, and P-446, since no new figure is shown in the SCHEM. DESIGN column itself.

As of ... 08 May 95

Enclosure (1)

WAPR w/ BARFIELD (PWO) CDR

BASE CLOSURE III
BASE REALIGNMENT AND CLOSURE (1993 COMMISSION)
FINANCIAL SUMMARY - EXCERPT, BRACON PROJECTS ONLY
($000)

ONE TIME COSTS	PROJECT COST ESTIMATE BY SOURCE					CURRENT	AMOUNT FUNDED
	COBRA	PEP OR 1391 DOC	SCHEM. DESIGN	35% DESIGN DEVLPMT	100% BID DOCS		
NEW LONDON MILCON							
PSA/PSD (P-447)	$890	$2,424	N/A	$2,163	$2,185	$2,185	$2,424
CLINIC (P-307)	$6,000	$6,000	$6,000	$6,000		$6,000	$6,000
RELOC ADMIN (P-432)	$4,600	$5,500				$5,500	$4,600
BARRACKS (P-444)	$58,500	$76,735	$112,258	$111,283		$111,283	$104,030
BEQ PARKING, **ALSO P-444**	N/A	$22,400	$14,100			14,100	
GALLEY (P-445)	$7,500	$7,000	$8,095	$7,774		$7,774	$7,240
PARK STRUCTURE (P-446)	$4,500	$5,372				$5,372	$4,500
BLDG 83/84 (P-448)	$4,600	$13,400	$13,120	$12,731		$12,731	$13,400
BLDG 426/437 (P-449)	$2,400	$8,300	N/A	$8,566		$8,566	$2,400
UPGRADE PHONES (P-450)	$1,120	$1,390	$1,302	$1,230		$1,230	$1,250
BLDG 499 (P-451)	$1,000	$17,478	$17,467	$17,799		$17,799	$16,700
GRAND TOTAL[1]	**$91,110**	**$165,999**	**$193,938**	**$192,518**	**$192,540**	**$192,540**	**$162,544**

[1] Note: GRAND TOTAL figures include the most recent figure for each project. For example, the GRAND TOTAL for the SCHEM. DESIGN column contains the PEP project figure for P-447, P-432, and P-446, since no new figure is shown in the SCHEM. DESIGN column itself.

As of ... 28 Apr 95

PRESENTED DURING
30 APR MTG w/ PWO SUBASE NL

ERIC

DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20350-1000

LT-0751-F15
BSAT/TG
10 May 1995

The Honorable Floyd D. Spence
House of Representatives
Washington, D.C. 20515

Dear Mr. Spence:

This is in response to the recent inquiry of Mr. Stan Graham of your staff concerning the Navy Nuclear Power Training Command (NNPTC).

Mr. Graham asked whether Charleston was considered as a potential receiving site location for the NNPTC during the 1993 round of base realignment and closure. This question was among those the Department of the Navy answered for the record in March, 1995, as requested by the Chairman of the 1995 Defense Base Closure and Realignment Commission.

Charleston was not considered as a receiving site for the NNPTC during the 1993 round. During the 1993 process it was determined that relocating this tenant of the Naval Training Center, Orlando, Florida, which was recommended for closure, to the Submarine Base, New London, Connecticut, would 1) create a training center of excellence through the collocation of the NNPTC with the Submarine School, and 2) take advantage of the infrastructure vacated by the relocation of fleet operational units. It was this latter point, the belief that we would be able to fully utilize existing facilities, that led us to focus solely on New London once closure of the operational aspects of the Submarine Base was determined.

I trust this information satisfactorily addresses your concerns. If we can be of furt assistance, please let me know.

Sincerely,

C. P. NEMFAKOS
Vice Chairman,
Base Structure Evaluation Committee

MILITARY PAPERWORK : IT NEVER CHANGES

MY LORD,

IF I ATTEMPTED TO ANSWER THE MASS OF FUTILE CORRESPONDENCE THAT SURROUNDS ME, I SHOULD BEBARRED FROM ALL SERIOUS BUSINESS OF CAMPAIGNING. I MUST REMIND YOUR LORDSHIP - FOR THE LAST TIME THAT SO LONG AS I RETAIN AN INDEPENDENT POSITION, I SHALL SEE NO OFFICER UNDER MY COMMAND IS DEBARRED, BY ATTENDING TO THE FUTILE DRIVELING OF MERE QUILL-DRIVING IN YOUR LORDSHIP'S OFFICE, FROM ATTENDING TO HIS FIRST DUTY - WHICH IS, AND ALWAYS HAS BEEN, SO TO TRAIN THE PRIVATE MEN UNDER HIS COMMAND THAT THEY MAY, WITHOUT QUESTION, BEAT ANY FORCE OPPOSED TO THEM IN THE FIELD.

DUKE OF WELLINGTON, 1810

ERIC

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950403-12

FROM: LINDENBAUM, ERIC	TO: CAPT. BILLS
TITLE: NAVY ANALYST	TITLE:
ORGANIZATION: DBCRC	ORGANIZATION: NAVY BASESTRUCTURE ANALYST TEAM
INSTALLATION (s) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL				COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR./CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR./COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER	✓		
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

QUESTIONS REGARDING COBRA RUNS OF NAVY NUCLEAR POWER SCHOOL REDIRECT FIGURES.

Due Date:	Routing Date: 950403	Date Originated: 950403	Mail Date: 950403

From : Eric Lindenbaum, Navy Analyst 03 APR 95
To : Capt Bills, Navy Base Structure Analyst Team

Subj : Navy Nuclear Power School Redirect Figures

Please refer to this number when responding 950403-12

1. Upon review of COBRA data two figures appear to need justification. These are:

- Annual PCS cost avoidance of $6,237,000. This figure appears too high in view of $537,000 from certified data call which is backed by historical data from prior Nuclear Power School student PCS costs.

- Annual non-payroll BOS costs for miscellaneous costs of $960,000. This figure also appears too high and may be due to using the pre-existing BOS for the Weapons Station which would be lowered (on a per capita basis) by the addition of students.

2. Request comment on these figures as they drive the COBRA to two different final results depending on which amount is used.

Very Respectfully,

PACKAGE PRESENTED BY NEW LONDON COMMUNITY DURING 1MAY95 NUWC, NEW LONDON BASE VISIT

NAVY/DOD PROPOSED REDIRECT

FOR

NUCLEAR POWER SCHOOL / NUCLEAR "A" SCHOOL

SIZE OF SCHOOLS IN 2001

		Average on Board
Nuclear Power School		1082
Basic nuclear instruction		
6 months		
Nuclear "A" School		964
Basic technical instruction		
Electronics	34 weeks	
Electrical	23 weeks	
Mechanics	20 weeks	
Instructors		514
TOTAL		2560

1993 DOD/NAVY AND BRAC COMMISSION RECOMMENDATION

"Close the Naval Training Center (NTC) Orlando and relocate certain personnel, equipment, and support to NTC Great Lakes and other locations, ..."

"The Nuclear Power School and the Nuclear "A" School relocate to the Submarine School at the Naval Submarine Base (NSB) New London, ..."

SINCE BRAC-93

Navy has expended 18 months of planning and design in New London

- Executed design contracts ~$ 10,000,000
  - Designed renovation of 300,000 square feet of *available* training space
- On-going construction $ 486,000
- Redesigned / relocated current tenants >$ 1,000,000

Total Expended >$ 11,486,000

1995 DOD/NAVY PROPOSAL

"Change the receiving site specified by the 1993 Commission for the "Nuclear Power School" (or the Navy Nuclear Power Propulsion Training Center) from "The Submarine School at the Naval Submarine Base (NSB), New London" to "Naval Weapons Station, Charleston, South Carolina."

WHAT HAS CHANGED SINCE BRAC '93?

Charleston option available in 1993 - Not selected

Navy recommended all submarine training be focused at New London- BRAC concurred - Congress approved

NOW NAVY SAYS

Relocate schools to Charleston because:

- Some facilities at New London no longer available
- Co-location with moored training ships enhances training capability
- Avoids significant building / renovation costs at New London

No other alternatives considered; no configuration comparisons

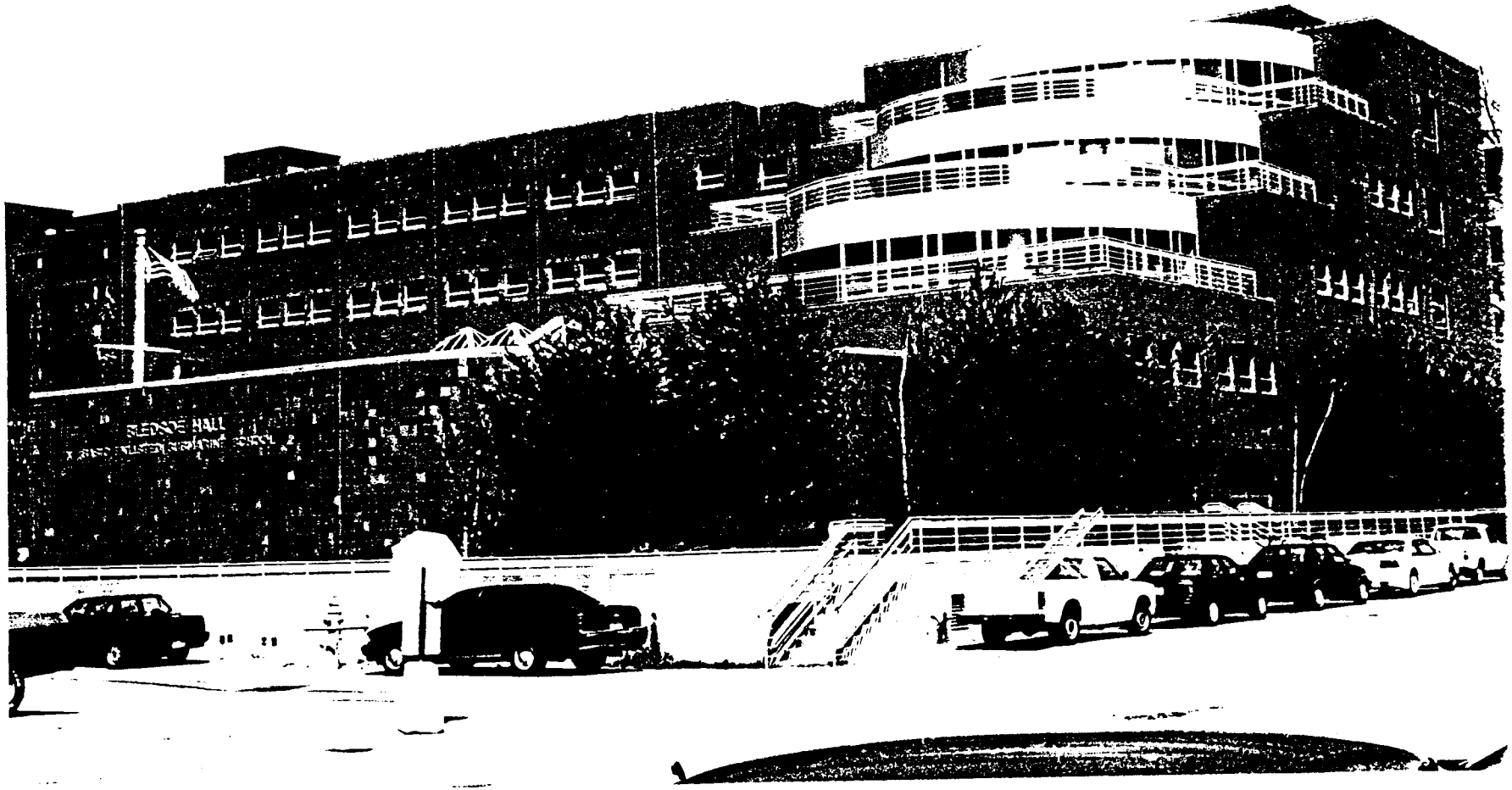
NAVY JUSTIFICATION #1
FACILITIES NO LONGER AVAILABLE

1993 Navy School proposal included reuse of six existing buildings for training and two old BEQs for berthing

1993 BRAC unanimously rejected DOD / Navy proposal to remove all subs from New London

- Old BEQs now not available
- Would have required major renovation

All facilities for training are still available



NEW LONDON

CHARLESTON.

NAVY JUSTIFICATION #2

CO-LOCATION WITH MOORED TRAINING SHIPS

Two moored ships at Charleston for reactor training

- In 2001, ~ 1/2 of NPS students will utilize
- Remaining ~ 1/2 will train in Idaho or New York
- Charleston location = annual PCS savings ($537,000)
  - At least equal PCS savings at New York or Idaho
    - -- Navy did not consider any other options

SCHOOLS LOCATED IN NEW LONDON

- Co-located with Basic and Advanced Submarine School
- Co-located with advanced technical schools
- Co-located with operating nuclear fleet units
- Ultimate permanent duty station for many
  - PCS savings for instructors to and from school omitted

NAVY JUSTIFICATION #3

AVOIDS SIGNIFICANT BUILDING / RENOVATION COSTS AT NEW LONDON

Navy proposal COBRA claim:

Total estimated costs at Charleston	$ 147.9 M
• Net savings during implementation period	$ 19.5 M
• Annual savings after implementation	$ 5.3 M
• Net present value savings over 20 years	$ 71.1 M

MIL CON		1996	1997	1998	1999	2000	2001	
$ M	NLON	2.4	120.1	40	0	0	0	162.5
	CHASN	56.1	22.1	22.1	22.1	22.1	0	144.5
								Δ18.0

PROBLEMS WITH NAVY PROPOSAL

- Two very different facilities are compared
- Significant costs of Charleston alternative omitted from COBRA calculations

COMPARISON OF VERY DIFFERENT FACILITIES

New London	Charleston
1997 student requirement	2001 student requirement (~170 fewer on board)
Designed and budgeted	Computer-generated estimate "non-budget quality costs"
BEQ 100%, all others > 35% design review	→ No site plan or footprint
Ready for bid	
Complete in 1999 ⟷	Complete in 2001

FACILITY COMPARISON

New London (1997) (> 35% Design Review)		Charleston (2001) (No Design)
711 KSF	BEQ	667 KSF
249 KSF	Training	243 KSF
36 KSF	Galley	36 KSF
74 KSY	Parking	70.5 KSY
16 KSF	Pers Sup	16 KSF
23 KSF	Med / Den	23 KSF
$ 1.3 M	Telephone	$ 0 M
0	Expand Fire	14 KSF
Cost $ 162.5 M		$ 144.4 M
(BUDGETED)		(COBRA)
	New London termination	$ 3.1 M
		$ 147.5 M

SIGNIFICANT COSTS OMITTED FOR CHARLESTON OPTION

Design, architect and engineering costs omitted
- Detailed in certified data - $ 10.48 M

Infrastructure costs omitted
- No roads or drainage - $ unspecified
- No sewage or water "
- No electrical "
- No telephones (New London modification $ 1.3 M)

No EIS or EA (wetlands, threatened species)
- No permitting costs - $ 100 K mitigation

Support facilities costs omitted
- No costs for support activities moving from closed Naval Station
- No costs for any athletic accommodations
  - Existing facilities are 100% utilized

*Continued operation at Orlando costs omitted
- No allocation for 2 additional years of operating fire, security, medical, public works, etc. at Orlando ~ $ 5.1 M / year
- No cost for delaying Orlando savings ~ 2 years - $ unspecified

UNANSWERED QUESTIONS

What is the Charleston facility location plan?

- No site plan for area of mixed woods and wetlands
- Road, infrastructure, support, and facility requirements
- Impact of other military activities moving to Weapons Station
  - ~20 functions relocating from closed Naval Station
- Other land encumbered by explosive safety arcs

What is the true cost of a Charleston decision?

COBRA	+	DESIGN	+	INFRASTRUCTURE	+	SUPPORT	+	ORLANDO	=	$ 168.6 +
($ 147.9 M)		($ 10.48 M)		?		?		($ 10.2 M)		

NEW LONDON $ 162.5 M

CRITERIA

NEW LONDON	MILITARY VALUE	CHARLESTON
Yes	1. Current and future mission requirements operational readiness	Yes
Facilities, land, infrastructure	2. Availability and condition of land, facilities	Land
~ 8% Expansion capability beyond 2001	3. Contingency, mobilization, total force	2001 capable, no expansion capability
Known, budgeted	4. Cost and manpower	Understated, probably greater than New London

CRITERIA

NEW LONDON	RETURN ON INVESTMENT	CHARLESTON
MILCON ends 1998	5. Extent and Timing (from Orlando decision)	MILCON ends 2000 Orlando shutdown delayed 2 years
	IMPACTS	
Yes	6. Economic impacts	Yes
Adequate	7. Community infrastructure	Adequate
No	8. Environmental	Unknown

CONCLUSION

Purpose of BRAC to reduce unnecessary infrastructure

- DOD / NAVY recommendation creates new infrastructure
- Fails to utilize excess capacity existing at New London
- No substantive gain based on selection criteria
- Significant deviation from criteria

RECOMMENDATION

Reject proposal for redirection

NORTHDIV FIGURES PROVIDED BY
PWO NEW LONDON 30 APR 95.

BASE CLOSURE III
BASE REALIGNMENT AND CLOSURE (1993 COMMISSION)
FINANCIAL SUMMARY - EXCERPT, BRACON PROJECTS ONLY
($000)

ONE TIME COSTS	PROJECT COST ESTIMATE BY SOURCE					CURRENT	AMOUNT FUNDED
	COBRA	PEP OR 1391 DOC	SCHEM. DESIGN	35% DESIGN DEVLPMT	100% BID DOCS		
NEW LONDON MILCON							
PSA/PSD (P-447)	$890	$2,424	N/A	$2,163	[redacted]	$2,185	$2,424
CLINIC (P-307)	$6,000	$6,000	$6,000	[redacted]		$6,000	$6,000
RELOC ADMIN (P-432)	$4,600	$5,500		[redacted]		$5,500	$4,600
BARRACKS (P-444)	$58,500	$76,735	$112,258	$111,283	[redacted]	$111,283	$104,030
BEQ PARKING, **ALSO P-444**	N/A	$22,400	$14,100	[redacted]		14,100	
GALLEY (P-445)	$7,500	$7,000	$8,095	[redacted]		$7,774	$7,240
PARK STRUCTURE (P-446)	$4,500	[redacted]				$5,372	$4,500
BLDG 83/84 (P-448)	$4,600	$13,400	$13,120	[redacted]		$12,731	$13,400
BLDG 426/437 (P-449)	$2,400	$8,300	N/A	[redacted]		$8,566	$2,400
UPGRADE PHONES (P-450)	$1,120	$1,390	$1,302	[redacted]		$1,230	$1,250
BLDG 499 (P-451)	$1,000	$17,478	$17,467	[redacted]		$17,799	$16,700
GRAND TOTAL[1]	**$91,110**	**$165,999**	**$193,938**	**$192,518**	**$192,540**	**$192,540**	**$162,544**

[1] Note: GRAND TOTAL figures include the most recent figure for each project. For example, the GRAND TOTAL for the SCHEM. DESIGN column contains the PEP project figure for P-447, P-432, and P-446, since no new figure is shown in the SCHEM. DESIGN column itself.

As of ... 28 Apr 95

ESTIMATED ONE-TIME COSTS TO MOVE NNPTC

	Category	NLON up-to-date Cost (in $M)	Charleston Cost (in $M) NR Estimated	Charleston Cost (in $M) N44 Estimated	
MILCON	Horizontal (Parking)	22.40 87.3 K SY	4.08 86.4 K SY	3.72 70.5 K SY	• 60% vs 85% P-
	Administrative	6.00 40 K SF	N/A	N/A	
	Training	47.00 386.3 K SF	22.84 249 K SF	22.27 243 K SF	• 2001 vs 2000
	BEQ 880.30 SF	111.28 711 K SF	78.90 745 K SF ↑	65.99 667 K SF	• NEW STANDARD
	Dining Facilities	8.10 31 K SF	5.64 31 K SF	6.35 36 K SF	• 31 K MEETS NEI
	Personnel Support	2.42 22.2 K SF	~~1.02~~ ~~16 K SF~~		
	Medical Facilities	6.00 23 K SF	4.18 23 K SF	3.52 23 K SF	• DOES CHASN NEI
	Environmental	0.00	0.10		→ BRAC
	Other		+10 - 15		
	(Demolition/Sitework)	20.00	13.45		• UNCERTAIN
	(Telephone Upgrade)	1.38	1.30		
	(Fire Station Expansion)	0.00	~~0.21~~ 14 K SF		→ BRAC
	MILCON COSTS	**224.58**	**131.72**	**101.85**	

159

NUW

放

Set North Dwo similar sheet for Eric.

ED BY ERNIE L. MERTIS P.E.; EH STEHMEYER JR P.E.; DALE C. JOHANNESMEYER P.E.

D BY SOUTHDIV MARINE CHASN WEP STA STAFF BASE VISIT

3 APR w/ BARFIELD (PWO) CDR

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D BY SOUTHDIV ANNUAL CHASN WEP STA STAFF BASE VISIT

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NR UUUUU
UFRCNE T CINCUSNAVEUR LONDON UK
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M CNO WASHINGTON DC//N44//

O RULSADK/COMNAVFACENGCOM ALEXANDRIA VA//30/12/50B//

RUCBCLF/CINCLANTFLT NORFOLK VA//N44//
RHHMHAH/CINCPACFLT PEARL HARBOR HI//N46//
RULSNAA/COMNAVAIRSYSCOM WASHINGTON DC//09Y//
RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//07I//
RUFRCNE/CINCUSNAVEUR LONDON UK//N72//
RUCTPOA/CNET PENSACOLA FL//N41//
RUENMED/BUMED WASHINGTON DC//43//
RULKSDF/COMNAVSECGRU WASHINGTON DC//G43//

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NEW BEQ STOS MSG FROM CNO. COPY RCVD DURING
CHAIN BREAK UNIT FROM CO WEPSTA

R A 250245Z MAR 95 NAVY IMPLEMENTATION OF NEW BEQ CONSTRUCTI

LSSAD/COMNAVSUPSYSCOM WASHINGTON DC//451//
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DMONI/ONI SUITLAND MD//02//
EACNP/CHNAVPERS WASHINGTON DC//67//
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EACMC/CMC WASHINGTON DC//LFL//
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CCFLD/COMNAVMETOCCOM STENNIS SPACE CENTER MS//N14//
LSOCA/CNR ARLINGTON VA//0123//
LSMSC/COMSC WASHINGTON DC//67//

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SGID/GENADMIN/CNO WASHINGTON DC//

JBJ/NAVY IMPLEMENTATION OF NEW BEQ CONSTRUCTION STANDARDS//

EF/A/MTG/19JAN94/-//
ARR/REF A WAS DOD INSTALLATIONS POLICY BOARD MEETING WHICH DETAILED
NEW TRI-SERVICE BEQ STANDARD WHICH HAS BEEN RECOMMENDED TO THE
ECRETARY OF DEFENSE.//
MKS/1. THE NEW TRI-SERVICE BEQ CONSTRUCTION STANDARD WILL PROVIDE
MODULE SUPPORTING EITHER TWO INDIVIDUALS (E1-E4) OR ONE INDIVIDUAL
E5-E9). THE NEW MODULE HAS A GROSS BUILDING AREA PER MODULE OF 66
QUARE METERS (SQM), COMPRISED OF A 46 GSQM LIVING MODULE PLUS 20
SQM FOR BUILDING CIRCULATION, UTILITY SUPPORT, AND COMMUNITY CORE
REAS. THE 46 GSQM MODULE CONTAINS TWO 11 NET SQM LIVING/SLEEPING
OOMS, TWO 2 NET SQM CLOSETS, A SHARED BATHROOM AND KITCHENETTE, AND
NTERNAL MODULE CIRCULATION. FOR HIGH RISE BEQ'S, UP TO 4 SQM
DDITIONAL AREA PER MODULE MAY BE ADDED TO THE 66 SQM GROSS BUILDING
AGE 03 RUENAAA1071 UNCLAS
REA PER MODULE AS REQUIRED.
. NAVFAC IS DIRECTED TO TAKE THE FOLLOWING ACTION FOR THE FY1996
MILCON PROGRAM:
REDESIGN BARRACKS PROJECTS TO PROVIDE THE 46 GSQM MODULE WITH
11 NSQM LIVING/SLEEPING ROOMS. THE SQUARE FOOT SCOPES AND BUDGET
AMOUNTS MAY NOT EXCEED THOSE SHOWN IN THE PRESIDENT'S BUDGET
DD-1391'S SUBMITTED TO CONGRESS IN FEBRUARY 1995. PROVIDE THE
MAXIMUM NUMBER OF MODULES, SUBSTITUTING MODULE SPACE FOR COMMUNITY
CORE AREAS TO THE MAXIMUM EXTENT POSSIBLE, MINIMIZING BUILDING AREA
REQUIRED FOR CIRCULATION AND UTILITIES.
3. NAVFAC AND MAJOR CLAIMANTS SHOULD COORDINATE BEST SOLUTIONS FOR
EACH FY1996 TRANSITION PROJECT ON A CASE BY CASE BASIS. EVALUATION
OF SELECTED TEST CASES HAVE SHOWN A VARIETY OF SOLUTIONS THAT CAN

A 250245Z MAR 95 NAVY IMPLEMENTATION OF NEW BEQ CONSTRUCTI

DE SUITABLE OVERALL DESIGNS WHILE UPGRADING THE PERSONAL SPACE
UR SAILORS.
S BQ STANDARD IS FOR THE DESIGN OF FACILITIES UNDER NEW
TRUCTION OR REPLACEMENT PROJECTS. THE DESIGNS FOR MODERNIZATION
ISTING FACILITIES SHALL BE BASED ON THIS STANDARD, BUT MAY BE
TED TO WORK WITHIN CONSTRAINTS OF THE EXISTING STRUCTURE.
S CHANGE IN DESIGN STANDARDS DOES NOT CHANGE CURRENT BQ
04 RUENAAA1071 UNCLAS
NMENT CRITERIA, AND SHALL NOT BE USED TO CLASSIFY AN EXISTING
UATE FACILITY AS INADEQUATE OR SUBSTANDARD. ALTERATIONS TO
ING BACHELOR QUARTERS PRIMARILY INTENDED TO MEET THESE DESIGN
DARDS SHALL NOT BE CLASSIFIED AS A REPAIR PROJECT, AND MUST BE
RAMMED AS A MILCON PROJECT IF THE CONSTRUCTION COST EXCEEDS

C IS LCDR CHRIS MOSSEY/N445C/DSN 225-9698/COMM. 703-695-9698.//

) ....ACT FOR COMNAVSEASYSCOM
(1) 01(1) 01K(1) 91W4(1) PMS325(1) PMS335(1) PMS377(1) 00(1)
(1) 03(1) 03D3(1) 03DM(1) 03E(1) 04I(1) 04PT(1) 04TD(1)
(1) 91(1) 91W(1) 92(1)

1) ....ACT FOR COMNAVSUPSYSCOM
1) 425(1) 431(1) 443(1) 52(1) 00(1)

1991 REALIGNMENT STATUS REPORT

One time costs	1991 Estimate	1995 Status/ Estimate
New Construction	$ 34.8 M	$ 36.0 M+
Homeowners assistance program	$ 0 M	$ 28.0 M+
Personnel	$ 3.7 M	$ 30.0 M+
Moving	$ 9.3 M	
Other	$ 11.8 M	
Totals	**$ 59.5 M**	**$ 120.0 M**

Recurring savings		
Mission	$ 0 M	$ 0 M
Salaries / billets eliminated	$ 5.9 M / 110+	$ 3.4 M / 62
Overhead	$ 1.4 M	$ 0 M
Other	$ 0 M	$ 0 M
Totals	**$ 7.3 M**	**$ 3.4 M**

Payback period	7 years	100+ years

Personnel plan		
Turnover (5 years)	428	300+
Transfers	734	32
Remaining in New London	400	999

PACKAGE PRESENTED BY NEW LONDON COMMUNITY DURING COMMISSION VISIT 27 APR 95

1995 CLOSURE PLAN

One time costs	1991 Estimate	
New Construction	$	0 M
Homeowners assistance program (HAP)	$	0.5 M
Personnel	$	0.8 M
Moving	$	15.0 M
Other (Bldg rehab / environmental)	$	7.1 M
Totals	$	23.4 M

Recurring savings		
Mission	$	0.5 M
Salaries / billets eliminated	$	3.4 M / 58
Overhead	$	4.1 M
Other	$	0 M
Totals	$	8.0 M

Payback period	3 years

Personnel plan	
Turnover (5 years)	151
Transfers	269
Remaining in New London	0

6

1995 CLOSURE PLAN ADJUSTMENTS

One time costs	Correction
• $ 1.6 M planning and management omitted	+ $ 1.6 M
• $ 6.8 M building rehab underestimated	+ $ 14.3 M
- Building 68 renovation cost for 417 civilians and $ 5.3 M towed array facility (BRAC-1991 estimate: $ 21.1 M(1))	
• $ HAP costs underestimated	+ $ 9.4 M
- $ 35 K / transfer X 269 transfers equals $ 9.9 M	
	Total: + $ 25.3 M

Recurring savings	
29 NOV • $ 50 K BSEC mission / travel savings inflated to $ 490 K	- $ 0.4 M
• 35 billets transferred not eliminated • 84 billets vacated by retirement / turnover	- $ 3.4 M
• Newport and New London overhead BOS estimates should be equal (NPT BOS = $ 2.4 M, NLON BOS = $ 5.4 M)	- $ 3.0 M
• Newport overhead RPMA omits building 68	- $ 0.5 M
• City of New London replaces fire / EMS service	- $ 0.6 M
	Total: - $ 7.9 M

Note (1): Consolidation Cost Analysis Study (with Appendix I & II) dated 15 April 1991.
One time installation costs: $ 21.1 M (Sonar equipment : $ 7.3 M, LBITS: $ 13.8 M)

CORRECTED 1995 CLOSURE PLAN

One time costs	DOD/Navy estimate	Adjustment	Revised estimate
New construction	$ 0.0 M	0	$ 0.0 M
Homeowners assistance program	$ 0.5 M	+ $ 9.4 M	$ 9.9 M
Personnel	$ 0.8 M	0	$ 0.8 M
Moving	$ 15.0 M	0	$ 15.0 M
Other (Bldg rehab / environmental)	$ 7.1 M	+ $ 15.9 M	$ 23.0 M
Totals	$ 23.4 M	+ $ 25.3 M	$ 48.7 M
Recurring savings			
Mission	$ 0.5 M	- 0.4 M	$ 0.1 M
Salaries / billets eliminated	$ 3.4 M / 58	- $ 3.4 M / -119	0
Overhead	$ 4.1 M	- $ 3.5 M	$ 0.6 M
Other (NLON city fire / EMS)	0	- $ 0.6 M	$ 0.6 M
Totals	$ 8.0 M	- $ 7.9 M	$ 0.1 M
Payback period	3 years		100 years

RECOMMENDATION

Create the DOD/Navy acoustic R&D Center of Excellence

	Savings
• Reject 1995 DOD/Navy NUWC New London closure recommendation	$ 48.7 M
• Realign current NUWC submarine sonar (Code 20) and surface ship sonar (Code 30 billets in New London)	$ 10.5 M+
(HAP savings = $ 35 K / transfer X 300 persons)	
• Assign 356 NUWC Norfolk billets and equipment	$ 6.6 M+
Realigned by BRAC 1993 to MILCON Bldg P020 vice commercial lease (lease savings $ 1.1 M/yr)	
• Realign NRL/USRD with NUWC New London vice NUWC Newport	$ 0.5 M
(Install ATF I in Bldg 80 and save $ 0.5 M)	
• Consolidate NAWC Warminster sonar billets at NUWC New London vice Patuxent, MD	$ X M
($ X M MILCON savings)	
	Total: $ 66.3 M+

- Relocate USCG R&D Center from UCONN campus to NUWC New London ($ 0.5 M savings/yr)

NAVY/DOD PROPOSED REDIRECT

FOR

NUCLEAR POWER SCHOOL / NUCLEAR "A" SCHOOL

SIZE OF SCHOOLS IN 2001

		Average on Board
Nuclear Power School		1082
Basic nuclear instruction		
6 months		
Nuclear "A" School		964
Basic technical instruction		
Electronics	34 weeks	
Electrical	23 weeks	
Mechanics	20 weeks	
Instructors		514
TOTAL		2560

1993 DOD/NAVY AND BRAC COMMISSION RECOMMENDATION

"Close the Naval Training Center (NTC) Orlando and relocate certain personnel, equipment, and support to NTC Great Lakes and other locations, ..."

"The Nuclear Power School and the Nuclear "A" School relocate to the Submarine School at the Naval Submarine Base (NSB) New London, ..."

SINCE BRAC-93

Navy has expended 18 months of planning and design in New London

- **Executed design contracts** ~$ 10,000,000
  - **Designed renovation of 300,000 square feet of *available* training space**
- **On-going construction** $ 486,000
- **Redesigned / relocated current tenants** >$ 1,000,000

Total Expended >$ 11,486,000

1995 DOD/NAVY PROPOSAL

"Change the receiving site specified by the 1993 Commission for the "Nuclear Power School" (or the Navy Nuclear Power Propulsion Training Center) from "The Submarine School at the Naval Submarine Base (NSB), New London" to "Naval Weapons Station, Charleston, South Carolina."

WHAT HAS CHANGED SINCE BRAC '93?

Charleston option available in 1993 - Not selected

Navy recommended all submarine training be focused at New London- BRAC concurred - Congress approved

NOW NAVY SAYS

Relocate schools to Charleston because:

- Some facilities at New London no longer available
- Co-location with moored training ships enhances training capability
- Avoids significant building / renovation costs at New London

No other alternatives considered; no configuration comparisons

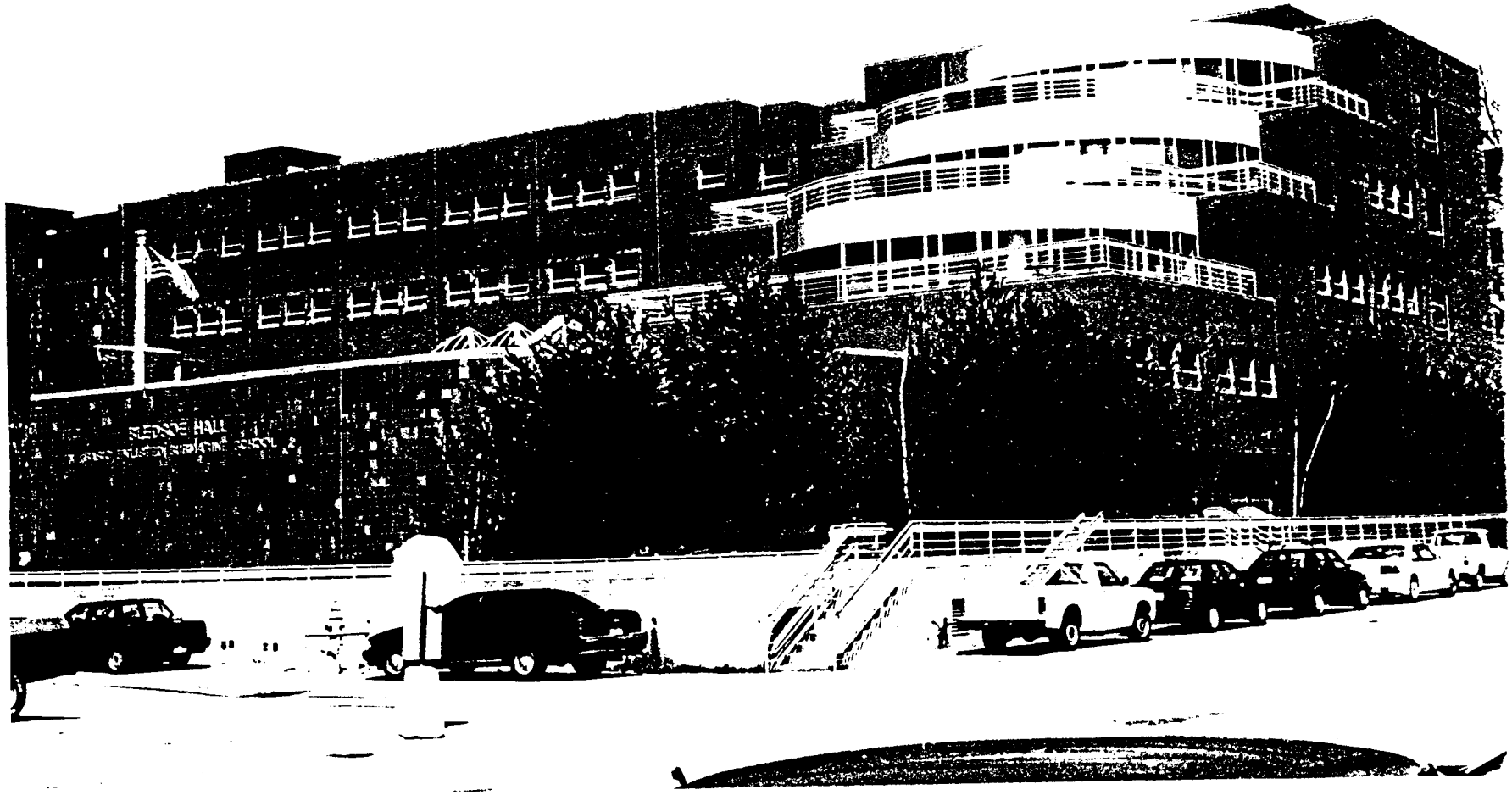
NAVY JUSTIFICATION #1
FACILITIES NO LONGER AVAILABLE

1993 Navy School proposal included reuse of six existing buildings for training and two old BEQs for berthing

1993 BRAC unanimously rejected DOD / Navy proposal to remove all subs from New London

- Old BEQs now not available
- Would have required major renovation

All facilities for training are still available



NEW LONDON

CHARLESTON.

NAVY JUSTIFICATION #2

CO-LOCATION WITH MOORED TRAINING SHIPS

Two moored ships at Charleston for reactor training

- In 2001, ~ 1/2 of NPS students will utilize
- Remaining ~ 1/2 will train in Idaho or New York
- Charleston location = annual PCS savings ($537,000)
  - At least equal PCS savings at New York or Idaho
    - -- Navy did not consider any other options

SCHOOLS LOCATED IN NEW LONDON

- Co-located with Basic and Advanced Submarine School
- Co-located with advanced technical schools
- Co-located with operating nuclear fleet units
- Ultimate permanent duty station for many
  - PCS savings for instructors to and from school omitted

NAVY JUSTIFICATION #3

AVOIDS SIGNIFICANT BUILDING / RENOVATION COSTS AT NEW LONDON

Navy proposal COBRA claim:

Total estimated costs at Charleston	$ 147.9 M
• Net savings during implementation period	$ 19.5 M
• Annual savings after implementation	$ 5.3 M
• Net present value savings over 20 years	$ 71.1 M

MIL CON		1996	1997	1998	1999	2000	2001	
$ M	NLON	2.4	120.1	40	0	0	0	162.5
	CHASN	56.1	22.1	22.1	22.1	22.1	0	144.5
								△18.0

PROBLEMS WITH NAVY PROPOSAL

- Two very different facilities are compared
- Significant costs of Charleston alternative omitted from COBRA calculations

COMPARISON OF VERY DIFFERENT FACILITIES

New London	Charleston
1997 student requirement	2001 student requirement (~170 fewer on board)
Designed and budgeted	Computer-generated estimate "non-budget quality costs"
BEQ 100%, all others > 35% design review	No site plan or footprint
Ready for bid	
Complete in 1999	Complete in 2001

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- Impact of other military activities moving to Weapons Station
  - ~20 functions relocating from closed Naval Station
- Other land encumbered by explosive safety arcs

What is the true cost of a Charleston decision?

COBRA	+	DESIGN	+	INFRASTRUCTURE	+	SUPPORT	+	ORLANDO	=	$ 168.6 +
($ 147.9 M)		($ 10.48 M)		?		?		($ 10.2 M)		

NEW LONDON $ 162.5 M

CRITERIA

NEW LONDON	MILITARY VALUE	CHARLESTON
Yes	1. Current and future mission requirements operational readiness	Yes
Facilities, land, infrastructure	2. Availability and condition of land, facilities	Land
~ 8% Expansion capability beyond 2001	3. Contingency, mobilization, total force	2001 capable, no expansion capability
Known, budgeted	4. Cost and manpower	Understated, probably greater than New London

CRITERIA

NEW LONDON	RETURN ON INVESTMENT	CHARLESTON
MILCON ends 1998	5. Extent and Timing (from Orlando decision)	MILCON ends 2000 Orlando shutdown delayed 2 years
	IMPACTS	
Yes	6. Economic impacts	Yes
Adequate	7. Community infrastructure	Adequate
No	8. Environmental	Unknown

CONCLUSION

Purpose of BRAC to reduce unnecessary infrastructure

- DOD / NAVY recommendation creates new infrastructure
- Fails to utilize excess capacity existing at New London
- No substantive gain based on selection criteria
- Significant deviation from criteria

RECOMMENDATION

Reject proposal for redirection

EGION

Obituaries	14-A
Business	18-A
Markets	19-A

CHARLESTON AND DORCHESTER COUNTIES

ark land criticized

ion) can't do drastically d.
nd Ravenel n promised who oppose park will ds, he said. mmissioner sed selling y to raise rk at U.S. in North levelop a so are in egislators' ding.

The sale was voted down, 2-1.

Before legislators stepped in, the commission had planned to issue $8 million in bonds March 1 for the North Charleston and Tea Farm parks and one on Isle of Palms.

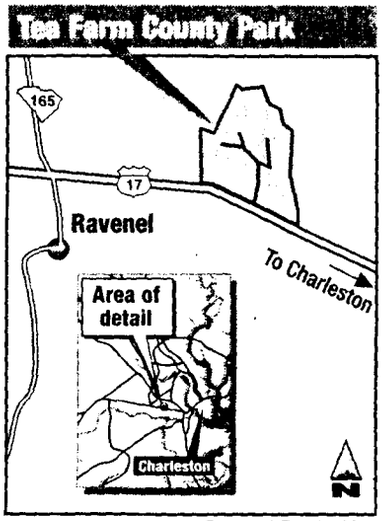
Washington questioned whether the four legislators — state Sen. Larry Richter and Rep. Harry Hallman, both R-Mount Pleasant, and Reps. Chip Limehouse and Lynn Seithel, both R-Charleston — reflect the wishes of the rest of the 19-member Charleston County legislative delegation.

He also questioned whether the commission needs approval from the delegation to issue additional bonds. But Hallman has said he will not vote to reappoint three of the commission members if they favor issuing more bonds.

Two state House members, Curtis Inabinet, D-Ravenel, and Ron Fulmer, R-Charleston, support the bond issue but want restrictions on how the money is used.

Charleston County Council must approve the commission's budget, and two members, Tom Masi and Anne Alford, have also said they don't want additional bonds issued.

The park commission budget will be presented to council Thursday.



Post and Courier Map

Connecticut fights for nuclear school

By TERRY JOYCE
Of The Post and Courier staff

After working largely behind the scenes, state and local leaders said Tuesday they feel South Carolina and the Lowcountry are in good shape as they face the final events linked to the 1995 round of military base closures.

"Up to now, we're a state that's gaining (military billets)," retired Marine Corps Col. O.J. "Skip" Fink said during a meeting of the In Defense of Charleston Campaign committee.

Fink is Gov. David Beasley's coordinator for South Carolina's efforts in defending against the current round of military base closures. He and Lt. Gen. Claudius E. Watts III, Citadel president, spoke Tuesday at a meeting at the Charleston Metro Chamber of Commerce.

Watts heads the chamber's efforts with help from several retired military officers and leaders such as Charleston Mayor Joseph P. Riley Jr. and Charleston County Council Chairman Vaughn Howard. Riley and Howard attended Tuesday's meeting where they learned the fight to beef up the area's military, while going well, isn't over yet.

Especially at stake is the future location of the Navy's Nuclear Power Training C

training facilities in Orlando and send the nuclear school to New London, Conn. The service still wants to close Orlando, but now it wants to send the school to the Charleston Naval Weapons Station. Lowcountry leaders rejoiced at the Feb. 28 announcement, but quietly agree they have a fight on their hands.

"The Navy messed up last time," said retired Navy Capt. Tom Williams, a Washington-based shipyard expert who worked behind the scenes two years ago in an unsuccessful attempt to keep Charleston's shipyard and Naval Base alive.

The decision to redirect the nuclear power school from New London to Charleston "is a correction from 1993" when the Navy wanted a "clean kill" when it presented its case against Charleston to the Defense Base Closure and Realignment Commission, Williams said earlier by phone.

"Will New London put up a clamor? I would say yes, but the Navy would say they're simply correcting an oversight. All the reasons for moving the school to Charleston are as good now as they would have been two years ago."

The clamor, if it comes, may be heard in New York City on May 5 when Connecticut's leaders will speak at the last of a series of regional base closure commission hearings

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

Eric

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950522-7

FROM: GRAHAM, BOB	TO: DIXON
TITLE: SENATOR (FL)	TITLE: CHAIRMAN
ORGANIZATION: U.S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION (s) DISCUSSED: HOMESTEAD ARB, EGLIN AFB, ORLANDO NNPPTC	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR./CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE	✓		
DIR./COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER	✓		
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER	✓		
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

✓	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

DESCRIBING THREE ISSUES WHICH THEY FEEL DBCRC SHOULD CONSIDER DURING THE DELIBERATION PROCESS.

Due Date: 950524	Routing Date: 950522	Date Originated: 950512	Mail Date:

BOB GRAHAM
FLORIDA

United States Senate

WASHINGTON, DC 20510-0903

May 12, 1995 Please refer to this number when responding 950522-7

The Honorable Alan J. Dixon
Chairman
Defense Base Closure and Realignment Commission
1700 North Moore Street
Suite 1425
Arlington, Virginia 22209

Dear Alan:

We commend you and your fellow commissioners on the excellent work that the commission has done thus far in the base closure process. We Floridians entered the BRAC process knowing well that our military facilities are among the best and most militarily valuable in the world. Moreover, they are national assets on which our Nation depends heavily for its national security.

There remain three issues which we are deeply concerned about that the Commission will be considering in the next two months. We hope that you will carefully consider the following issues during your deliberations.

(1) Homestead ARB: Closing Homestead would be a strategic and military error. The recent strife in the Caribbean, particularly the Haiti operations, have served to enhance and highlight Homestead's strategic value. Clearly, it is in our Nation's best interest to have defense resources poised and ready in South Florida, considering the frequently unstable conditions that exist in the Caribbean region, including a hostile Cuba. Losing this valuable resource would undermine America's ability to react quickly and effectively to contingencies in Latin America. We urge you and your fellow commissioners to give careful consideration to Homestead's true military and strategic value, for we are confident you will recognize its important future and function in our national defense and foreign policy strat

(2) Eglin AFB: We remain concerned that the Air Force' recommendations to the Department of Defense with respec weapons test and evaluation (T/E) lacks sufficient justi n to warrant implementation. The 1995 National Defense Authorization Act directed the Defense Department to develop a master plan for T/E before consolidating or moving electronic warfare equipment. Moving Air Force T/E equipment in accordance with the Air Force's recommendations would undermine the intent of Congress to ensure that a comprehensive and cost-effective

weapons T/E plan is in place before consolidating or moving EC equipment and operations. Eglin AFB is a proven, cost-effective and efficient T/E center -- it is ideally suited for the mission of weapons T/E. Moving the simulators out of Eglin will seriously degrade the Air Force's capability to perform vital T/E functions. Therefore, we urge you and the members of your Commission to reject the Air Force's recommendations and allow the Defense Department to develop its comprehensive master plan.

(3) Orlando Navy Nuclear Power Propulsion Training Center: The 1993 BRAC decision to relocate the training center to New London, Connecticut was projected to produce annual savings of, according to the 1993 Commission, approximately $75.8 million after a one time cost of $374 million. However, in this BRAC round, the Defense Department recommends a redirect of the training center to Charleston, South Carolina. We ask you and your fellow commissioners to carefully analyze the cost effectiveness of moving the training center from Orlando to Charleston. Should the costs associated with its relocation to, and its operation at, Charleston exceed the costs of keeping the training center in Orlando, we urge the Commission to redirect the 1993 decision to keep it at its present site.

We thank you for your superb leadership, fair judgement and dedicated service to America. We look forward to discussing this matter with you in the near future, and hope that you will contact us if we can assist you in any way.

Sincerely,

Bob Graham
United States Senator

Connie Mack
United States Senator

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950517-13 BRIE

FROM: MCCOLLUM, BILL	TO: GENERAL
TITLE: REP. (FL)	TITLE:
ORGANIZATION: U. S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION (s) DISCUSSED: NAVY NUCLEAR POWER TRAINING COMMAND	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR./CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE	✓		
DIR./COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER		X	
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

✓	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

FORWARDING REPORT AND COBRA RUN IN SUPPORT OF REDIRECTING NNPTC TO ORLANDO.

COBRA RUN IN FILE

Due Date: 950519	Routing Date: 950517	Date Originated:	Mail Date:

BILL McCOLLUM
8TH DISTRICT, FLORIDA

CHAIRMAN
SUBCOMMITTEE ON CRIME

COMMITTEE ON
JUDICIARY

COMMITTEE ON
BANKING AND FINANCIAL SERVICES

SELECT COMMITTEE ON INTELLIGENCE

Congress of the United States
House of Representatives
Washington, DC 20515–0908

2266 RAYBURN HOUSE OFFICE BUILDING
WASHINGTON, DC 20515–0908
(202) 225–2176

DISTRICT OFFICE:
SUITE 650
605 EAST ROBINSON STREET
ORLANDO, FL 32801
(407) 872–1962
TOLL FREE FROM KISSIMMEE
931–3422

Navy Nuclear Power Training Command

Orlando, Florida

Please refer to this number when responding 950517-13

Background

Under the base realignment and closure process (BRAC) of 1993, the Navy Nuclear Power Training Command (NNPTC) was to be relocated to Navy Submarine Base, New London. This move was originally proposed to take advantage of the anticipated space that would become available as a result of the relocation of several activities from New London. The BRAC 93 decision rejected the proposal to relocate activities from New London, thereby creating a need for new military construction and sharply increasing costs at New London to accommodate the NNPTC.

During the BRAC 95 process, the Departments of Defense and of the Navy decided to review the relocation of the NNPTC - a redirect from New London to Naval Weapons Station, Charleston. The Departments reviewed redirecting the NNPTC from New London to Charleston due to the increasing costs associated with rebuilding in New London.

The Case for Redirecting NNPTC to Orlando

In response to some of the critical issues raised by the Department of Defense and the Department of the Navy regarding this matter, the community believes that the following matters must be evaluated:

A. **The Department of Defense substantially deviated from selection criteria 5 when the Department failed to properly evaluate the return on investment associated with the recommendation to redirect the NNPTC to Charleston.**

The Department of Defense did not examine the issue of return on investment for all plausible options regarding the redirect of NNPTC from New London to Charleston. If the Department had properly reviewed this matter, the Department would have ultimately decided to maintain NNPTC in Orlando based upon cost savings alone.

放

It is clear that the savings associated with a redirect to Orlando far outweigh any potential savings in redirecting the facility to Charleston. Subsequently, the failure to review costs represents a substantial deviation from the selection criteria in the recommendation to redirect NNPTC to Charleston.

Preliminary COBRA runs redirecting Orlando to Orlando are included in the attached tables. The COBRA data compares savings resulting from the redirect to Orlando from either New London or Charleston.

B. The Department of Defense substantially deviated from selection criteria 2 when the Department failed to properly evaluate the availability and conditions of land, facilities and airspace at both the existing and potential receiving location.

NNPTC Orlando was designed to be a self contained, university-like campus when the facility was constructed. The campus' facilities are modern and are in good repair. Located within the parameters of the facility are ample infrastructure resources to house: Public Works; Security; Exchange (the Exchange will remain in Orlando regardless of whether the NNPTC remains or moves to New London or Charleston); MWR Facilities (ample resources currently exist that will accommodate any needs in this area of the NNPTC including a gymnasium, the Mariner's Club, two softball fields, tennis courts, basketball courts, and access to the swimming pool and recreational access to Lake Baldwin); and Family Services (building 356).

Without assessing the existing infrastructure at the NNPTC Orlando, the Department reviewed only one option to relocate to Charleston. At either the New London or Charleston location, these facilities would have to be reconstructed at a cost of anywhere between $147 million and $200 million.

C. The Department of Defense substantially deviated from selection criteria 4 when the Department did not properly analyze the costs and manpower implications associated with a redirect of the NNPTC from New London to Charleston.

In analyzing the costs associated the decision to redirect NNPTC from New London to Charleston, the Department's final analysis raises several concerns:

Base Operating Support Costs

According to a task force report prepared by NAVSEA's contractor (Bettis), who was asked to make an impartial review of O&MN costs at Orlando and New London, the BOS costs for NNPTC would be $19.3 million while the BOS costs at New london would be $14.3 million.

The Navy has stated that Charleston would have recurring costs of only $11.5 million. The Navy has not produced any data that we have seen to substantiate the numbers for Charleston, which seem low in comparison to New London. We believe the cost figures in Charleston may allocate BOS costs to larger tenants, thereby understating NNPTC BOS costs in Charleston.

BEQ upgrades and Annual Inspection Surveys

According to our research, there are approximately $5.5 million in repairs for the BEQ's located at Orlando. These repairs are generally for the HVAC system replacements. This number excludes the new Department of Defense design criteria. However, it should be noted that Orlando currently meets berthing criteria, and there is no requirement to bring the BEQ's to any new standard. The remaining portion of the $8.1 million one time costs also include $2.25 million for repairs that must take place should the NNPTC remain in Orlando past 1998.

Double counting of savings

The Navy included the costs of not building in New London as savings. The Navy also included lower overhead costs comparing New London with Charleston. However, the lower overhead costs come in part from overhead savings of closing the NNPTC buildings not yet built in New London; therefore, allowing for a double counting of savings.

NAVAL WEAPONS STATION CHARLESTON

GOOSE CREEK, SOUTH CAROLINA

CAPTAIN TIMOTHY B. STARK, USN
COMMANDING OFFICER

COMMAND BRIEFING

NAVAL WEAPONS STATION CHARLESTON
GOOSE CREEK, SC

****

CAPTAIN TIMOTHY B. STARK, USN
COMMANDING OFFICER

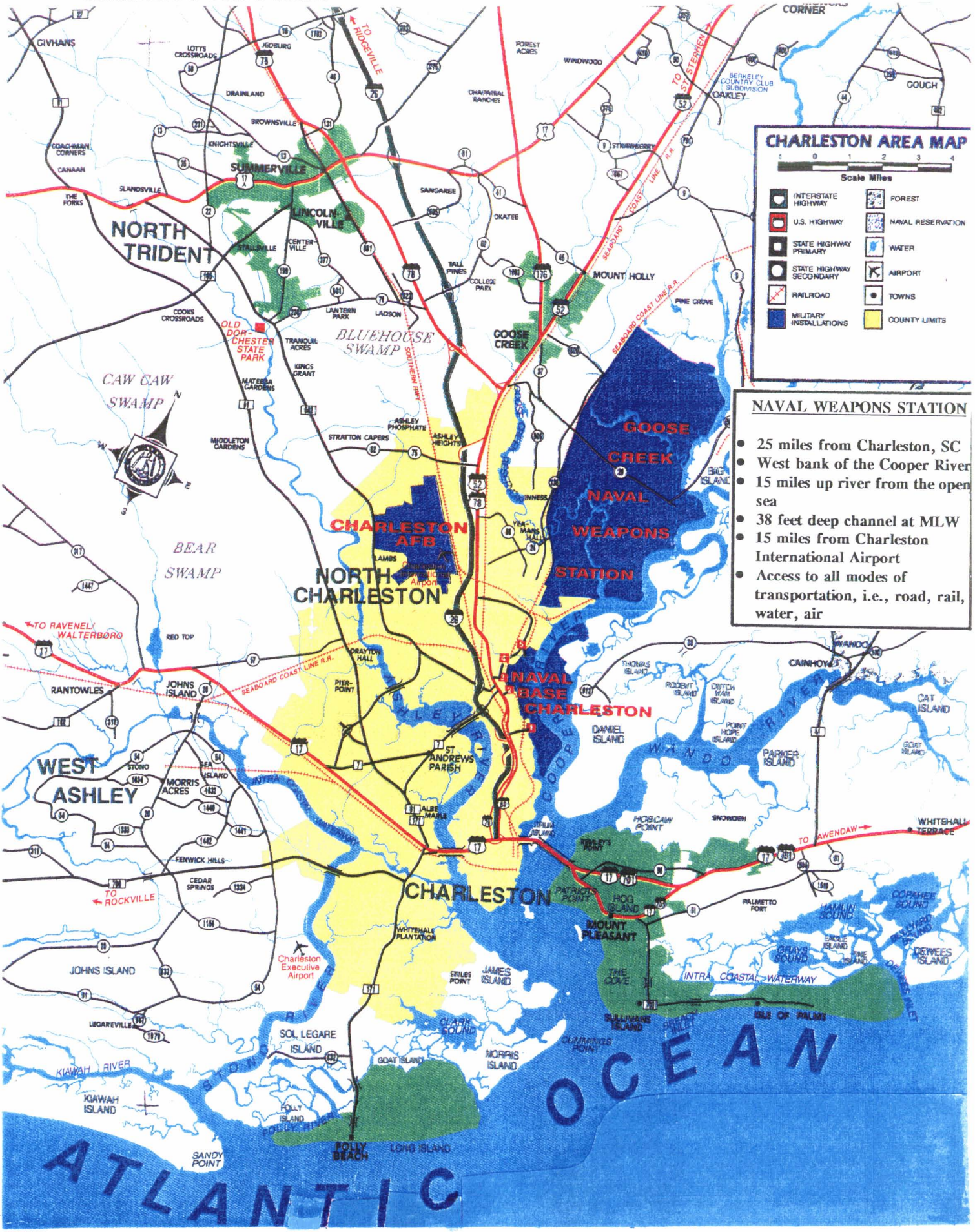
HISTORY

Naval Weapons Station (WPNSTA) Charleston is one of six weapons stations under the direction of the Naval Ordnance Center. It is located on the Cooper River's west bank, 25 miles north of Charleston, South Carolina and 15 miles from the Atlantic Ocean. The station encompasses over 17,000 acres of land (27 square miles). WPNSTA Charleston lies on lands that were once plantations known as "Red Bank," "White House," "Ararat," "Mt. Pleasant," and "Marrington," joined together with "Liberty Hall," "Brick Hope," "Parnassus," "The Cottage," and part of "Medway." The rich lands produced Indigo and rice. In addition to agricultural crops, the area produced bricks and tiles used to build many of Charleston's historic homes and buildings. Piles of old broken bricks and clay pits, common throughout the station's wooded areas, are all that remain of the extensive brick manufacturing activity that once occurred here. The War of Northern Aggression brought the end of plantation life. In 1865, the family living at "Parnassus" fled their home to escape looting Yankee soldiers. It is rumored that the family buried their silver on the land to keep it from being stolen. Today, very little remains of the plantations and other evidence of historical human activity that occurred on the station. What remains are left, however, are under the Department of the Navy's protection. Although no sites have been determined as eligible for the Register of Historic Places, some have research potential and all are being preserved. Today, the station also has an extensive Natural Resources Conservation and Wildlife Program and is home to several endangered species.

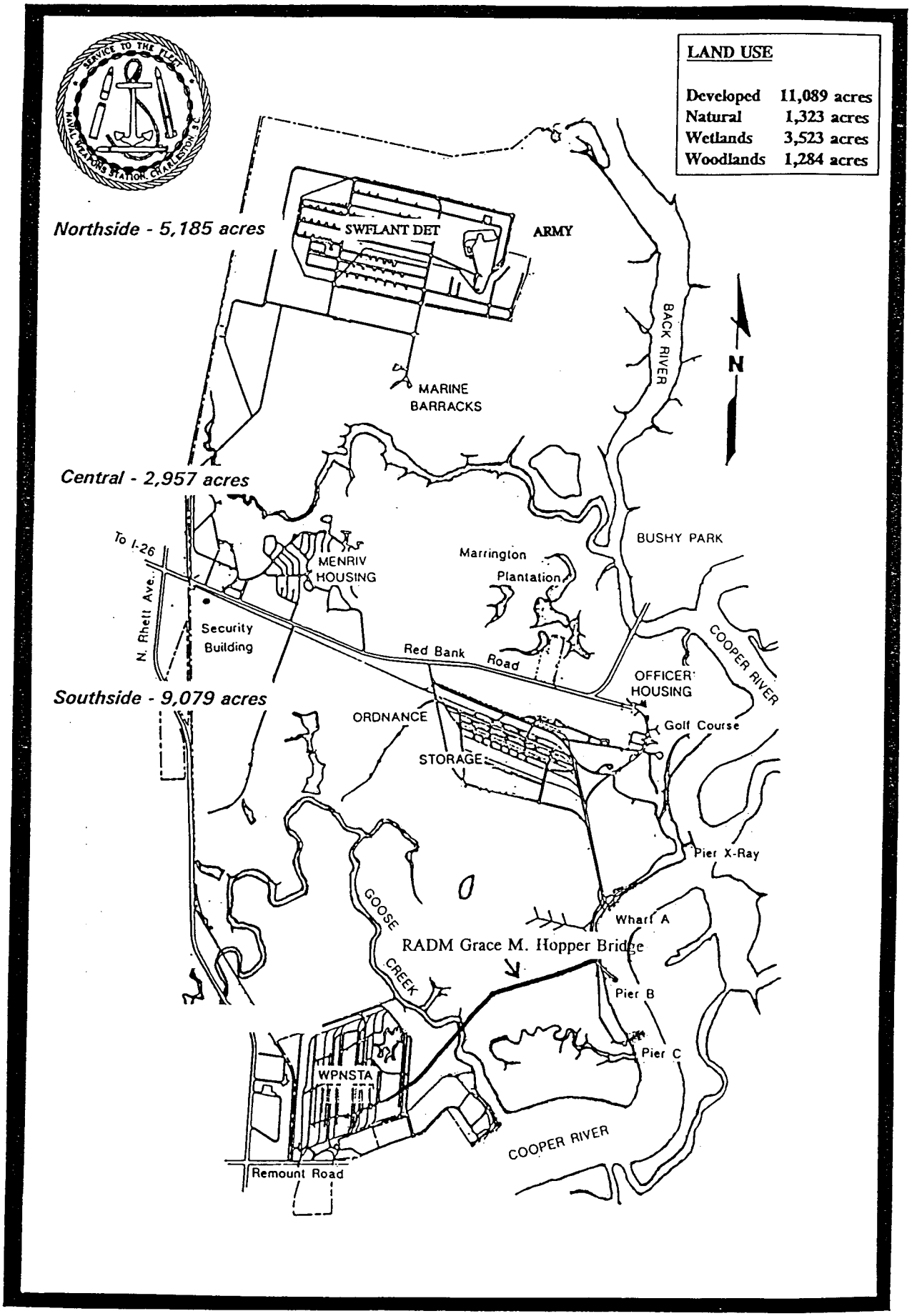
Shortly before the outbreak of World War II, the Department of the Navy purchased land and on November 5, 1941, the Naval Ammunition Depot, Charleston, South Carolina was commissioned. On August 11, 1965 the activity's name changed to Naval Weapons Station, Charleston. Since 1941, WPNSTA Charleston has increased from the original 6,700 acres to its current size and has undergone several mission changes, although the overall mission has always been "to support the fleet." Today we maintain and operate an explosive ordnance outloading facility and provide homeport services for two ammunition ships, the USS SANTA BARBARA and the USS MOUNT BAKER.

CANADA
PACIFIC OCEAN
Port Hadlock
Washington
Montana
North Dakota
Minnesota
Lake Superior
Michigan
Wisconsin
Lake Huron
Lake Michigan
Maine
Oregon
Idaho
South Dakota
Wyoming
Lake Ontario
New York
VT
NH
MA
CT
RI
Lake Erie
Pennsylvania
NJ
WPNSTA Earle
Nevada
Utah
Nebraska
Iowa
Illinois
Indiana
Ohio
MD
DE
WPNSTA Concord
California
Colorado
Kansas
Missouri
West Virginia
Virginia
WPNSTA Yorktown
Kentucky
Tennessee
North Carolina
Arizona
Oklahoma
Arkansas
S. Carolina
WPNSTA Seal Beach
Fallbrook
New Mexico
Mississippi
Alabama
Georgia
WPNSTA Charleston
ATLANTIC OCEAN
Texas
Louisiana
Florida
MEXICO
GULF OF MEXICO
ARCTIC OCEAN
U.S.S.R.
Alaska
CANADA
BERING SEA
Scale (Approx.)
0 75 150 300 Miles
PACIFIC OCEAN
Hawaii
Scale (Approx.)
0 50 100 Miles
CUBA
The United States
0 50 100 200 MI.
0 50 100 200 KM.
1959

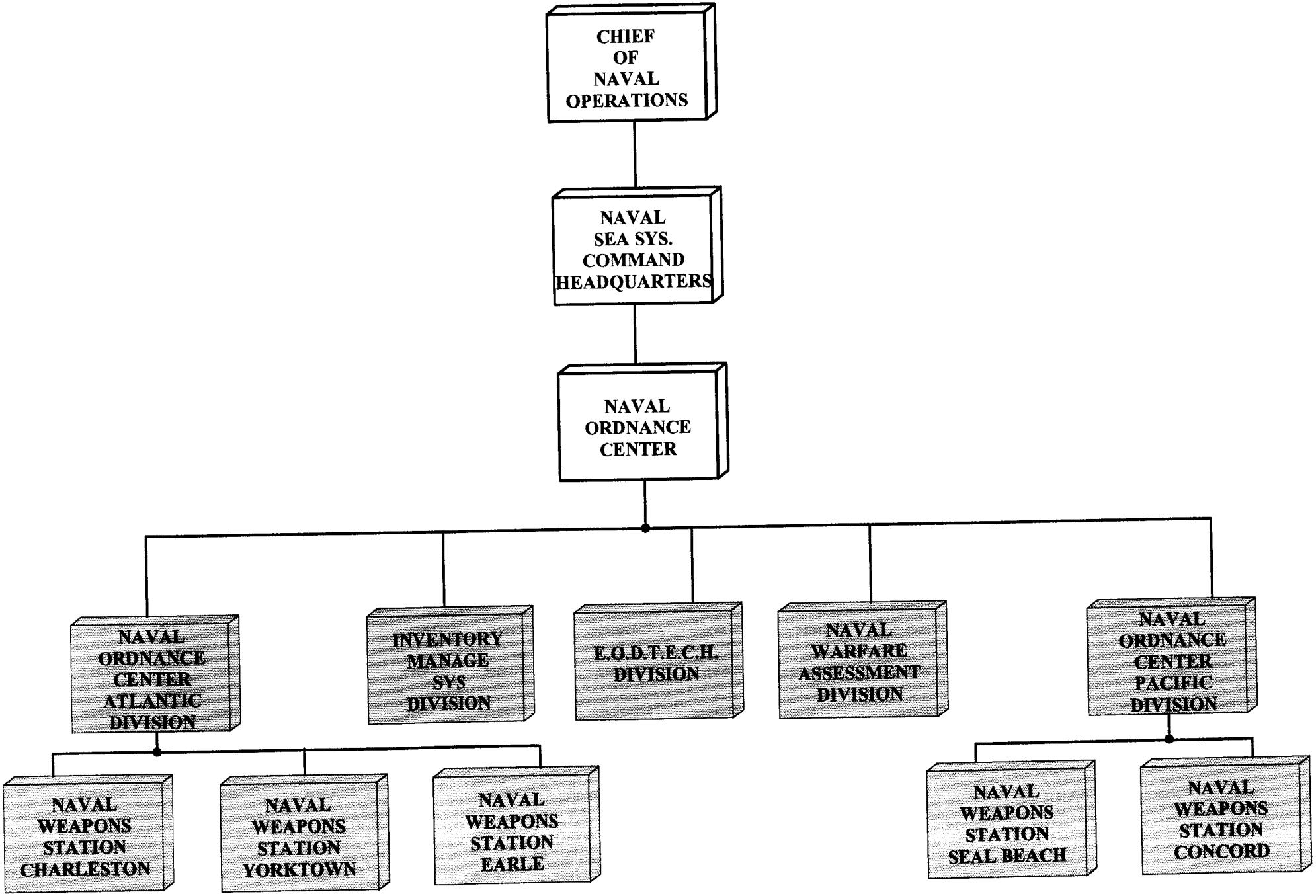
Naval Weapons Station Charleston is a warm water, explosive loading port facility and is the only coastal activity with explosive storage, outload, and maintenance capability in the Southeastern United States.



NAVAL WEAPONS STATION, CHARLESTON



Chain Of Command



OVERVIEW

♦ Established	1941
• Chartered as Navy Industrial Funded Activity	1967
• Transitioned to Defense Business Operating funded activity	1991
♦ Size	17,221 Acres (27 Sq Miles)
♦ Budget (FY 95)	$93.8M
♦ Personnel	
• Civilians	665
• Navy	209**
• Marines	15
• Non-Appropriated Fund	165*
* Fluctuates up to 210 due to season/nature of work	
• Navy and Marine Family Housing Residents	8,425***
• 36 Tenants (Military and Civilian)	3,061
TOTAL	12,540

** Includes TAD, Limited Duty and EEAP
*** Includes Naval Base and Hunley Park

MISSION

"Provide quality logistical, technical, and material support to the fleet in the areas of combat subsystems, equipment, components, and retail ammunition management . . . ."

RECEIVE
SEGREGATE
STORE
ISSUE
REPAIR

WEAPONS &
COMBAT SYSTEMS

- Support Maritime Prepositioning Force (MPF) Program
- Homeport for Two Ammunition Ships
- Support Nine Navy Reserve Units
- Support 36 Tenant Activities
  - Major Tenants:
    - Strategic Mobility Logistics Base (SMLB) Army
    - Nuclear Power Training Unit (NPTU)
    - Naval Consolidated Brig
    - Military Traffic Management Command, 1304th Major Port Command
    - NISE EAST
- Manage All Navy Housing in Charleston Area
  (2,675 Family Units & 60 Mobile Units)
- Provide Morale Welfare Recreation Services

BUSINESS PROFILE

($000's)

♦ Labor	
• Military	$ 2,912
• Civilian	$28,994
♦ Material	$10,214
♦ Contractor Services	$32,306
♦ Other (depreciation, real property maintenance)	$ 6,054

WPNSTA CHARLESTON STATISTICS

- Average Age Onboard
  - 45 Yrs
- Average Grade Onboard
  - GS-07
  - WG-09
- Average Salary
  - $29,877
- Contractor Workyears
  - 500

BUILDINGS & FACILITIES

♦ Industrial	97
♦ Administrative	26
♦ Housing	
• Units	2,675
• Mobile Home Pads	60
♦ Explosive Magazines (38,000 Tons Storage Capacity)	147
• SWFLANT DET	103
♦ Inert Storage Areas	13
♦ Warehouses	62
♦ Railroads	25 Miles
♦ Roads	292 Miles

- 205 Miles (WPNSTA)
- 51 Miles (SWFLANT DET)
- 36 Miles (MenRiv/Hunley Park Housing)

WORKLOAD

CURRENT

- Receipt, Segregation, Storage & Issue (RSS&I)
  - Maritime Prepositioning Force (MPF) Ammunition Maintenance
  - Onload/Offload Ships
  - Storage
  - Segregate and Inspect Fleet Return Ammunition
- Homeport AE's
- Calibration
- Manufacture
  - Containers
  - Ordnance Equipment (special tools/handling equipments,etc.)
- Public Works Support

WORKLOAD
(Continued)

FUTURE

- Establishment of Joint Calibration Laboratory
  - Joint Operations to begin 1 Oct 95
  - Meet Core Electronic and Mechanical Calibration needs of WPNSTA Charleston and NISE EAST
- Provide base operating support to 18-23 new tenants
  - Public Works Support
  - Security
  - Fire Protection
  - Safety and Environmental
  - Central Mail Service
  - Central Telephone Service
  - Area PAO Services
  - Chaplain Services

EXPECTED BRAC95 IMPACT (NNPTC)

Relocation of ***Navy Nuclear Propulsion Training Center (NNPTC)*** to WPNSTA Charleston - FY 98/99 time frame

			NL. SEP93 #'s
School Personnel:	Enlisted Students	2,166	2660
	Officer Students	224	397
	Off/Enl Staff	515	344
	TOTAL	2,905	

MILCONS:	Training Facility	268K sq ft	252
	Parking Lot	71K sq yd	71
	BEQ	888K sq ft	888
	Dining Facility	31K sq ft	31
	Medical Facility	23K sq ft	15K
	Increase Fire Station	14K sq ft	14K
	TOTAL New Construction =	1,224K sq ft[1],	1200 NEW + Revised

999 000

[1]Does not include parking lot.

EXPECTED BRAC95 IMPACT (NNPTC)
(continued)

SUPPORT PERSONNEL:	Civ	Mil
Chaplain	1	4
Public Works	10	0
Security	5	0
Fire	16	0
Galley	0	39
Admin	2	0
MWR	0	5
Pass/ID	1	0
Barracks	0	5
Guard Mail	0	1
PAO	0	1
Safety	2	0
Increase to WPNSTA Charleston	37	55
*Dental	4	15
*Medical	0	12
*Fam Ser Ctr	1	0
*Personnel Property	2	0
*PSD	0	40
*Supply	6	0
*Legal	0	3
*Navy Champus	2	0
*Payroll	1	0
Increase to other support commands*	16	70
GRAND TOTAL	53	125

FAMILY HOUSING

- Assets:
  - 2,675 Family housing units
  - 60 Mobile home spaces

- BRAC 93 Impact:
  - Naval Station Charleston Housing Area (86 officer units)
    - Vacate 81 units by 31 Dec 95
    - Vacate remaining 4 units by 1 Apr 96
    - All 86 units transferred to NAVFACENGCOM for caretaker service by 1 Jun 96
    - Currently 40 vacant units
  - Hunley Park Housing Area (500 units)
    - COMNAVBASE letter to CAFB to transfer units - Dec 93
    - CAFB unable to accept transfer of units
    - Excess property report to be submitted Feb 95 to NAVFACENGCOM
    - Currently 314 vacant units

FAMILY HOUSING
(Continued)

- Current Situation:
  - 115 Families on waiting lists
  - Letter to CAFB 3 Feb 95 regarding Air Force occupancy of 400 Family Housing Units in MenRiv Park
  - Maintaining 99.3% occupancy rate

    - 1,463 Move-Outs FY 94
  - Current staffing at 28
  - NAVFACENGCOM to fund $25.3M
  - Superior maintenance service contract - two years remaining
  - Repair/Construction Projects:
    - Install vinyl siding - 978 units ($2M)
    - Replace HVAC systems - 430 units ($3.1M)
    - Replace playground equipment to meet Neighborhoods of Excellence standards ($100K)
    - Remove 5 ea 10K gal underground fuel oil tanks ($245K)
    - Execute 5-year paving plan ($100K)

FAMILY HOUSING
(Continued)

- Future Plans:
  - Convert 68 excess two-bedroom family housing units to bachelor enlisted quarters for unaccompanied personnel
  - Convert 14 excess three-bedroom family housing units to bachelor officer quarters for unaccompanied personnel
  - Whole-house/site revitalization of 164 quarters ($5.3M)
  - Develop comprehensive neighborhood plan for MenRiv Park
  - Additional family housing units in MenRiv Park may be available for excess in FY 96/97
  - House NNPTC personnel in FY 99

BACHELOR QUARTERS

- Assets:
  - Building 909 (current BEQ, 40 rooms)
    - Constructed 1966
    - 13,782 SF
    - 2 Adequate rooms (E5/E6) / 38 inadequate rooms
  - Building 304 (old Marine Barracks, 108 rooms)
    - Constructed 1960
    - 64,317 SF
    - 36 Adequate rooms (E5/E6) / 72 inadequate rooms
- BRAC 93 Impact on WPNSTA:
  - Naval Station BEQ closes 30 Sep 95
  - Anticipate 32 personnel may request relocation to WPNSTA Charleston
  - WPNSTA Charleston obtaining 50 washers, 23 dryers, and misc. consumables through custody transfer from NAVSTA
- Current Situation:
  - MAIT Inspection conducted Feb 95 - Grade: Good
  - Review of Bachelor Housing survey and current BQ occupant data indicates projected Bachelor Housing requirement of 195
    - (does not include NNPTC impact)
  - 1 Vacancy at Bldg 909

BACHELOR QUARTERS
(Continued)

- 22 Navy personnel occupy A-wing, Bldg 304
- Extensive repairs to Bldg 304 required
- WPNSTA Charleston letter of 17 Feb 95 to CO MCSFC to recoup $82,352 for damages to Bldg 304

♦ Future Plans:

- Divert 82 family housing units to establish BEQ and BOQ for unaccompanied personnel
- Relocate personnel from Bldgs 304 and 909 to Mahan Circle and Hickory Hall Court
- Compete in FY 96 ADM Zumwalt Award competition for excellence in Bachelor Quarters management

NAVAL WEAPONS STATION CHARLESTON
MEASURES OF MERIT

- Warm Water, Explosive Loading Port Facility
- Only Coastal Activity with Explosive Storage, Outload, and Maintenance Capability in Southeastern United States
- Closest Explosive Loading Port to the Homeported Ships Located in GA, FL, and The Gulf of Mexico
- Close Proximity to Charleston Air Force Base provides Quicktrans Support Service for Shipment of Materials using the Military Air Transport

STATION PHILOSOPHY

WORKING AS A TEAM, WE WILL ENHANCE OUR STATUS AS THE PREMIER ORDNANCE ACTIVITY IN THE WORLD, PROVIDING:

- ***THE HIGHEST QUALITY ORDNANCE AND ORDNANCE-RELATED PRODUCTS AND SERVICES***
- ***THE BEST MWR, HOUSING, PUBLIC WORKS, AND COMMUNITY SERVICES***
- ***QUALITY SERVICES TO OUR TENANTS***
- ***A HIGH STATE OF READINESS FOR MOBILIZATION***

WE WILL CONDUCT OUR BUSINESS IN A PROFESSIONAL MANNER, EMPHASIZING SAFETY, SECURITY, AND CUSTOMER SATISFACTION. WE WILL TREAT EACH OTHER FAIRLY AND EQUITABLY, AND STRIVE TO PROVIDE A CHALLENGING WORK ENVIRONMENT.

KATZ, KUTTER, HAIGLER, ALDERMAN, MARKS, BRYANT & YON

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June 9, 1995

VIA FEDERAL EXPRESS

Mr. Alex Yellin, Navy Team Leader
The Defense Base Closure and Realignment Commission
1700 North Moore Street, Suite 1425
Arlington, Virginia 22209

Dear Alex:

Enclosed please find a copy of the "Report to the Defense Base Closure and Realignment Commission on Orlando Area Concerns." This report will be delivered to each Commissioner by Congressman Bill McCollum over the course of the next few days, however, I wanted to insure that you had a copy to preview prior to those meetings. In addition, it is my understanding that the Congressman will be attempting to schedule meetings with you for some time over the next few days.

After reviewing the section pertaining to your area of interest, please feel free to contact me should you have any questions or concerns. I look forward to working with you and discussing these matters in more detail with you in the future.

Sincerely,

John

John M. Ariale

JMA:vr
Enclosure

Report to the Defense Base Closure and Realignment Commission On Orlando Area Concerns

Navy Nuclear Power Training Command

Naval Research Laboratory - Underwater Sound Reference Detachment

Armstrong Laboratory - Air Crew Training Facility

June 9, 1995

Report to the Defense Base Closure and Realignment Commission On Orlando Area Concerns

Prepared for:

The Economic Development Commission of Mid-Florida,
Orange County, and
The City of Orlando

Prepared by:

U.S. Congressman Bill McCollum;
John M. Ariale,
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COBRA Model; Community Alternative - Redirect NNPTC from New London to Orlando (NPSORL2.cbr)

Appendix B

NNPTC Orlando Map

Appendix C

NUWC Inconsistencies (NRLO.cbr and NUWC1.cbr)

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COBRA Model; Combine Navy Data from Closing NRL-USRD and NUWC, New London (NUWCOMB0.cbr)

Appendix E

COBRA Model; Community Alternative-Combine Data from Closing NRL-USRD and NUWC, New London; Keep NRL-USRD open and consolidate activities at NRL-USRD (NUWCOMB2.cbr)

NNPTC

Navy Nuclear Power Training Command

Orlando, Florida

Background

Under the base realignment and closure process (BRAC) of 1993, the Navy Nuclear Power Training Command (NNPTC) was to be relocated to Navy Submarine Base, New London. This move was originally proposed to take advantage of the anticipated space that would become available as a result of the relocation of several activities from New London. The BRAC 93 decision rejected the proposal to relocate activities from New London. As a result, to accommodate the NNPTC, a need for new military construction and sharply increased costs occurred at New London.

During the BRAC 95 process, the Departments of Defense (DOD) and of the Navy (DON) decided to review the decision to relocate NNPTC to New London and made a recommendation for a redirect from New London to Naval Weapons Station, Charleston. The primary reason was the unexpected and increasing costs associated with the New London move since a lot of new construction would be necessary to make this move. The DOD and the DON reviewed redirecting the NNPTC from New London to Charleston due to the increasing costs associated with rebuilding in New London.

The Case for Redirecting NNPTC to Orlando

The cost effective, common sense thing to do is to keep NNPTC in Orlando. DOD and the DON apparently never seriously evaluated this option. As a result, DOD substantially deviated from several selection criteria, and Defense Base Closure and Realignment Committee (DBCRC) should reject the redirect from New London to Charleston and redirect NNPTC to Orlando. In reviewing data utilized by DON and DOD in making a decision to redirect NNPTC New London to Charleston, it is clear several critical issues were either unaddressed by the Departments or intentionally overlooked. Specifically, DOD did not consider retention of NNPTC at existing facilities in Orlando. As a result, a decision was made that will cost the taxpayers millions of dollars in unnecessary military construction. The DOD substantially deviated from three of the four military value criteria. In addition, DOD failed to adequately evaluate criterion 5, the return on investment, in the decision to redirect

nuclear power school from New London to Charleston. In making these decisions, the DOD never ran COBRA that estimated and evaluated other viable options.

A. The Department of Defense substantially deviated from selection criterion 5 when the Department failed to proper[illegible] evaluate the return on investment associated with the recommendation to redirect the NNPTC to Charleston.

– CLOSED BASE ∴ NOT AN OPTION

In evaluating BRAC 95 issues, the DOD failed to run any COBRA models v[illegible] compared leaving NNPTC in Orlando to moving the facility to either New I[illegible] Charleston. This omission alone demonstrates that the DOD substantially deviated from selection criterion 5.

If properly reviewed and evaluated, DOD would have ultimately decided to maintain NNPTC in Orlando based upon cost savings alone.

Utilizing the COBRA model, the Navy estimates that a move from New London to Charleston would cost $147.9 million and save approximately $162 million in military construction cost avoidances associated with relocation to New London. This scenario generates a return on investment of one year and a net present value of the costs and savings over 20 years of $71.1 million. It makes no sense to spend $147 million today in order to save $71 million over time.

↑ THIS IS THE BASIS OF THE BRAC PROCESS

Using the same cost analysis method[illegible] would also generate approximately $162 million in militar[illegible] and would only require a one-time cost of $8.125 million. Un[illegible] n investment is immediate and DOD would generate a net prese[illegible] igs over 20 years of $157.545 million. The savings gener[illegible] e schools in Orlando is over 100 percent greater than that which t[illegible] t of NNPTC to Charleston would generate one-time costs that ar[illegible] d redirect to Orlando.

	Orlando to Orlando	Orlando to Charleston	Difference
One Time Costs	$ 8.125 M	$ 147.9 M	***$ 139.78 M***
Net Present Value	$ 157.545 M	$ 71.1 M	***$ 86.445 M***
Return on Investment	IMMEDIATE	ONE YEAR	

The savings associated with a redirect to Orlando far outweigh any potential savings in redirecting the facility to Charleston. Consequently, the failure to review costs represents a substantial deviation from the selection criteria in the recommendation to redirect NNPTC to Charleston.

COBRA runs redirecting NNPTC to Orlando are included in Appendix A (NPSORL2.cbr). The COBRA data compares savings resulting from the redirect to Orlando from New London.

B. The Department of Defense substantially deviated from selection criterion 2 when the Department failed to properly evaluate the availability and conditions of land, facilities and airspace at both the existing and potential receiving location.

NNPTC Orlando, a self contained tenant command of the former Naval Training Center Orlando (NTC Orlando), was designed to be a university-like campus when the facility was constructed. The campus' facilities are modern and are in good repair. Located within the parameters of the facility (after the rest of NTC is closed) are ample infrastructure resources to house: Public Works; Security; the Navy Exchange (the Exchange will remain open in Orlando after NTC closes regardless of whether the NNPTC remains or moves to New London or Charleston); MWR Facilities (ample resources currently exist that will accommodate any needs in this area of the NNPTC including a gymnasium, the Mariner's Club, two softball fields, tennis courts, basketball courts, and access to the swimming pool and recreational access to Lake Baldwin); Family Services (building 356); and a branch medical facility.

In Appendix B, please find a map outlining the area that could be fenced in to support the NNPTC in Orlando. All of the facilities and support services mentioned above are already built and in place to serve the NNPTC at levels that the facility is currently accustomed.

Without assessing the existing infrastructure at the NNPTC ly one option: to relocate to Charleston. At either the New Lonc ese facilities would have to be reconstructed at a cost of anywl 1 $200 million. Once again, DOD failed to properly apply criteri led to properly evaluate and analyze the conditions of land and th Orlando, a potential receiving location. As one of the key alue assessment in the BRAC process, this deviation alone would justify consideration of a redirect of NNPTC to Orlando, Florida.

NOT IDED IN KEY. REQUIRED AND NOT PROVIDED

C. The Department of Defense substantially deviated from from selection criterion 3 when the Department did not properly analyze the ability to accommodate contingency, mobilization, and future total force requirements at both

existing and potential receiving locations.

During the BRAC 95 process, the DOD failed to recognize the fact that NNPTC was uniquely designed to handle the current load of men and women that support this type of mission training. The current force requirements do indeed indicate that the average on board for NNPTC will be reduced; however, the fact that a minimal amount of existing excess capacity could be maintained at a relatively inexpensive cost was overlooked and not analyzed by the Department. In its decision to redirect the NNPTC from New London to Charleston, the Department recognizes that the force structure would be reduced by time the facilities would be rebuilt in Charleston. As a result, the DOD states that the need for square footage would be reduced. However, this reduction in square footage does not accommodate for any surge or growth that may be necessary with respect to this type of training in the event of future contingency or mobilization needs.

In its justification for the redirect decision, the Navy sites this excess capacity in Orlando as a negative. The rebuilding of NNPTC at Charleston creates additional capacity that need not be created. On the other hand, the minimal amount of excess capacity that is located at NNPTC Orlando should be viewed as a positively. The necessary NNPTC facilities are already built in Orlando. Any excess could easily be mothballed and would allow for any potential surge capacity that might be necessary. Should the Department's redirect be implemented in Charleston, the ability to handle any type of surge would be eliminated.

D. The Department of Defense substantially deviated from selection criterion 4 when the Department did not properly analyze the costs and manpower implications associated with a redirect of the NNPTC from New London to Charleston.

↑IT CANNOT BE BOTH WAYS. AN ARGUEMENT FOR N.L.

There is no justification to spend $147 million to rebuild NNPTC's facilities in Charleston, South Carolina when high quality facilities already exist in Orlando. This logic is flawed at best. As a result of this decision, the DOD has recommended a one-time expenditure of $147 million. This expenditure is 1,800 percent greater than the one-time costs of $8.1 million necessary to retain NNPTC in Orlando.

Even if the Commission were to accept the one-time costs suggested by the DOD, the $147 million associated with expenditures in Charleston are over four times greater than the costs associated with redirecting the facility to Orlando.

The estimate provided by DOD regarding the total recurring annual costs necessary to operate the two schools that make up NNPTC in Orlando after NTC Orlando closes appears to be overstated. In response to Congressman Bill McCollum's inquiries to the DON, the DON responded that the "total recurring annual costs to operate only these two schools after NTC Orlando closes, have been estimated to be $19.3 million." Furthermore, the Department

estimated that BOS costs associated with New London would equal $14.3 million while the same BOS costs associated with Charleston would be $11.5 million. In a letter to Congressman Bill McCollum dated May 24, 1995, the Navy stated that the Department "recognized that the BOS costs in Charleston were overstated and could be improved upon with further evaluation. Subsequently, the BOS costs for Charleston and New London have been revised to $6.6 million and $7.1 million respectively, to more accurately reflect the BOS costs at these locations."

During the last eight to twelve months, information was obtained which indicated that future costs to support NNPTC in Orlando would amount to an annual recurring expenditure of $14.8 million. DON has not provided certified BSEC documents to allow the community to fully evaluate the apparent overstatement of these costs in Orlando, and the continuing understatement of costs of operating NNPTC in either New London or Charleston. Perhaps the cost estimates currently provided by the DON, which represent a fluctuation of 50% from the original "estimates," reflect the allocation of BOS costs to larger tenants thereby incorrectly stating NNPTC BOS costs in both Charleston and New London. Only when we are able to analyze the costs in the same manner, can we adequately and accurately analyze the differential between the three communities. The failure to produce this certified data or any detailed financial analysis in a manner which would compare all facilities under review represents another substantial deviation from properly analyzing the cost implications associated with the redirect of NNPTC from New London to Charleston.

A second major area of concern for the community is in the discussion of BEQ upgrades and costs associated with Orlando's NNPTC. The Chief of Naval Operations approved new BEQ st: of this year. In response to those BEQ standards, the DON ar: Qs at NNPTC Orlando can be improved by converting three- pe oms where practical and that the semi-open bay, Welton B configurations could be remodeled to provide approximate sp standards. Furthermore, DON states that remaining re ugh new construction. The total cost of this "BEQ fix" is ap However, the issuance of new BEQ standards applies only to new construction. NNPTC is now operational and meets all current requirements for BEQ's. Furthermore, NNPTC is in the process of a bunk reduction project to increase the habitability of nuclear power students to 90 square feet per occupant. With this reduction program, the NNPTC BEQ's meet or exceed all current DOD and DON standards

NOT CORRECT. ORLANDO IS NOT GRAND-FATHERED.

THIS IS NOT CORRECT 3-MAN @ 255 SQFT

In response to Congressman Bill McCollum's questions to the DON, responded with uncertified data claiming that one-time costs associat in Orlando would reach $34 million. These costs include what the N $25.7 million, s which amount to $8 m the Departmen -time costs associated w $8.1 million. current berthing criteria, requirement to wly adopted BEQ standards, there is no need to

INCLUDES 8.1 MIL

spend $25.7 million in BEQ upgrades in Orlando. Of the $8.1 million, $5.5 million represents money needed to repair or replace the air conditioning system in some of the buildings, and $2.25 million represents expenditures for general maintenance concerns. The balance will be used to fence in the property line.

A final error is the fact that the DOD included the reduced overhead costs of not building new buildings in New London as savings. The Navy COBRA run justifying the redirect to Charleston includes savings from lower overhead costs of buildings that were not yet built in New London. This oversight, actually allows a double counting of savings under the COBRA analysis. Savings come from either a reduced overhead due to the moth balling of buildings or savings come from a military construction avoidance. However, savings can not be counted from lower overhead costs of unbuilt buildings <u>and</u> from cost avoidances. This results in a double counting of savings.

THIS IS NOT DOUBLE COUNTING IT IS A VALID COBRA COMPARISON

These three major areas of concern d nt substantially deviated from selection criterion 4 by not prop ations associated with the redirect of Orlando to Charleston.

NRL-USRD

Navy Research Laboratory
Underwater Sound Reference Detachment

Orlando, Florida

Background

As a result of the BRAC 95 process, the Navy Research Laboratory, Underwater Sound Reference Detachment (NRL-USRD) is to be disestablished and relocation of the calibration and standards function with associated personnel, equipment and support is to relocate to the Naval Undersea Warfare Center, Newport Division, Newport, Rhode Island.

According to the DOD justification, the overall reduction in operational forces and a sharp decline of the DON's budget through fiscal year 2001, specifically warrant reductions for technical centers. While the DOD admits that the reduction in technical centers is difficult to determine because activities are supported through customer orders, the Department has nevertheless determined that the closure of one of the Navy's most unique facilities should be closed.

The total estimated one-time cost implement the recommendation specified is $8.4 million with a net overall cost in savings during the implementation period of $3.7 million in savings. The net present value of the costs and savings over 20 years is a savings of $30.1 million.

The Case for Removing NRL-USRD from the BRAC 95 List

After reviewing the materials and associated documents provided by the DOD to justify the closure and disestablishment of NRL-USRD, it appears that DOD substantially deviated from several military value selection criteria. Furthermore, certain calibration measurements and testing are not performed at NRL-USRD that are no performed anywhere else within the Navy's laboratory system would be lost if this facility were to be disestablished. This testing is performed exclusively in Orlando for several reasons. NRL-USRD is staffed with an abundance of transducer expertise, the facility is located in a climate which allows for year-round testing, and the facility has several unique features including a one of a kind anechoic tank facility as well as a one of a kind lake facility.

The loss of this facility will ultimately result in irrefutable harm to the readiness of the overall DOD's force. In researching and analyzing BRAC 95 issues regarding NRL-USRD, the Department avoided opportunities to analyze the closure and consolidation of like-oriented functions elsewhere within the Navy system to a unique and valuable facility such as NRL-USRD. Ultimately, the Navy and the Department of Defense will suffer as a result of this decision.

A. The Department of Defense substantially deviated from selection criterion 1 when the Department failed to properly evaluate the current and future mission requirements and the impact on operational readiness of the Department of Defense's total force.

DOD did not properly evaluate the current and future mission requirements and the impact on the operational readiness of the Department's total force when it recommended the closure of NRL-USRD.

The core mission of the NRL-USRD is calibrations and standards associated with underwater sound measurements for underwater acoustic devices, a key fact that seems to have been excluded from the overall evaluation of this facility. As a result of the calibrations and standards associated with these measurements, specialized facilities have been established in Orlando to provide acoustic calibration and test and evaluation measurements for acoustic transducers and materials.

NRL-USRD maintains a stock of approximately 1,400 calibrated reference transducers that are made available to Navy activities and government contractors for use in research and development for underwater measurement programs. NRL-USRD is the only naval laboratory that provides a link in the traceability of underwater sound measurements to the National Institute of Standards and Technology (NIST). Therefore, the use of the referenced transducers in Orlando provides great uniformity, accuracy, and reliability in underwater acoustic measurements throughout industry and the Navy. In an NIST publication entitled "Navy Metrology/Calibration Program", the importance of an NIST certified facility was stressed. In this publication, NIST stated that "in rare circumstances, the DOD makes a conscious decision not to develop national standards for use at NIST, but instead, that an agency with exclusive responsibility for given measurements. An example, is the Naval Research Laboratory-Underwater Sound Reference Detachment in Orlando, Florida (NRL-USRD). NRL-USRD maintains state of the art capabilities in acoustic measurements and sonar transducers."

The NRL-USRD calibration facilities have also been specified in documents known as Critical Item Product Specification (CIPS) for more than twenty years. The CIPS are DOD procurement specifications used to purchase transducers from industry. The CIPS specify among other things exactly where a transducer is to be calibrated. For example, SSN BOW SONAR (BQQ5) CIPS specified that the transducer it uses, the TR317C, must be calibrated at the NRL-USRD and no where else. The reason for this is that NRL-USRD is the only NIST traceable facility. The CIPS are extremely specific and mentions NRL-USRD solely because of the reliability and accuracy and commitment that has been a historic trademark operation at NRL-USRD.

In addition to the unique testing standards and calibrations functions performed in Orlando, the facility has certain unique features which would be difficult to replace or relocate. For instance, the Anechoic Tank Facility II, was designed specifically for use in this facility and is 750,000 pounds. Its unique design and construction would make reconstruction of another facility cost prohibitive; therefore, transportation and relocation would be necessary. In addition to these facilities located on the Orlando site, NRL-USRD also maintains a Leesburg facility approximately one hour north of Orlando. This facility consists of a leased lake which provides year-round availability due to the mild climate. Because of the lake's depth, isothermal conditions, and extremely low ambient noise, it represents a unique calibration facility which is not available anywhere else in the United States.

The loss of these facilities and of the highly standards and calibrations performed at these facilities would clearly impact on the operational readiness of the DOD's total force.

In addition, the potential technical loss associated with the disestablishment of a facility such as NRL-USRD represents an incalculable loss to the overall readiness of DOD's forces. The personnel of this lab have 547 collective years of transducer experience with the largest core of transducer among all Navy labs. This experience includes extremely specialized research and, therefore, requires specially trained technicians to accomplish the mission. If NRL-USRD is disestablished and the calibration functions relocated, there will clearly be a reduction or cessation of NRL's mission. At the very best, the Navy can hope for a long delay of the mission while facilities are rebuilt and while technical personnel are retrained in Rhode Island. While the community understands that "technical loss" cannot be quantitatively measured, there remain several major concerns. First of all, NRL-USRD has generated hundreds, if not a few thousand, applicable technical reports, memoranda, papers and patents. This information and data have helped scientists at other Navy laboratories, as well as in industry, in resolving tough technical problems regarding sonar transducers. Secondly, the entire United States Naval fleet has depended upon warm water calibration data of NRL-USRD for fifty years. Water temperatures of northern test facilities such as those found at Rhode Island, vary significantly with the season. If NRL-USRD is relocated, the Navy will no longer be able to compare the previous fifty years of data taken at the original test site. The significance of this point is that temperature changes in a test environment mean possible changes in the test data that is recorded. Clearly, the problem that occurs in comparing such data is that the evaluator is unable to determine if changes in measurements are due to the test environment or if they are due to a problem with the transducers. NRL-USRD's unique test facilities remain nearly constant in temperature year round compared to other Naval facilities; therefore, these facilities have provided the DON and the DOD with confident and reliable calibration.

Furthermore, the situation regarding sonar transducer RDT&E has reached a critical situation in the United States Navy. Clearly, anti-submarine warfare capability is not as critical today as it was at the peak of the Cold War; however, it is imperative that critical capabilities be

maintained and supported by responsible management. As a result of anti-submarine warfare cutbacks, industry experts estimate that approximate 70 percent of the sonar transducer engineers who are engaged in the design of sonar transducers have been eliminated. If NRL-USRD and NUWC New London are both closed, industry experts estimate that the Navy will lose a large percentage of the scientists, engineers and technicians currently engaged in sonar transducer work. Since most of the individuals that would be relocated to Rhode Island would either come from Orlando or New London, it is a fair assessment to conclude that a large portion of senior staff level management and a large portion of the senior scientists, engineers and technicians, will be lost as a result of this particular consolidation. This situation clearly poses a threat to the mission readiness of the United States Navy.

B. The Department of Defense substantially deviated from selection criterion 2 when the Department failed to properly evaluate the availability and condition of land, facilities. . . at the existing and potential receiving locations.

The DOD did not fully examine the issue of availability and condition of land and facilities at NRL-USRD, Orlando, Florida, when the Department recommended the disestablishment of the facility.

The activities, measurements, testing, evaluation, calibrations, and standards functions that are performed at NRL-USRD are unique to this facility and not performed at other facilities that are operated by the United States Navy. Furthermore, functions such as measurements, testing, evaluation, and calibration and standards of acoustic transducers and materials are also performed at NSWC Carter Rock, MD; NUWC Keyport, WA; NUWC Newport, RI; NSWC Crane, IN; NSWC Panama City, FL; and NCCOSC San Diego, CA. However, there is little direct duplication among all of these sites meaning that the testing performed in Orlando is indeed unique.

Measurements, tests and evaluations on acoustics, transducers and materials are carried out in specialized facilities at NRL-USRD. Measurements have been made on transducers and materials associated with most of the Navy's major underwater acoustic programs sonar buoys and anechoic codings. NRL-USRD has six separate facilities, each with a unique capability. These facilities include: the Lake Gem Mary Facility; the Anechoic Tank Facility I and the Anechoic Tank Facility II, which is used to simulate deep ocean depths; the low frequently facility, which operates at extremely high pressures to simulate very deep ocean depths; and the Leesburg Facility, an acoustically quiet and constant temperature facility to make low frequency measurements.

Over the last decade, NRL-USRD has invested a substantial amount of money in modernizing laboratory facilities. This expansion and modernization has included the construction of three new buildings to provide engineers and technicians with over 7,200 square feet of space. One

building was specifically designed as a laboratory for transducer development and fabrication. The existence of these modernized laboratory facilities combined with the Leesburg Lake facility and with the Anechoic Tank facilities located in Orlando provide for a modern and well poised facility to continue the type of testing evaluation and calibration now being performed at Orlando.

While consolidation of like-minded activities, testing, and evaluation are critical to the success of a smaller sized Navy, the DOD never evaluated or looked at options that would have kept NRL-USRD open. The location and unique features associated with this facility, and the availability of current laboratory and administrative space in Orlando were totally overlooked. For instance, the closure of NUWC New London means the relocation of seven activities to Rhode Island. The following activities are currently located in New London: (1) submarine and surface ship sonar transducer RDT&E complex; (2) submarine sonar development and evaluation complex; (3) underwater mobile and deployed sonar arrays RDT&E complex; (4) turbulent boundary layer hydroacoustic experimental quiet water tunnel facility; (5) tactical sonar measurements and analysis facility; (6) acoustic array experimental measurement facility; and (7) sonar array microelectronics development facility. Several of these activities nicely compliment the type of equipment, facilities, and calibration that are currently being performed at NRL-USRD. The Navy did not pursue options that might include the reduction of personnel in Orlando combined with the shifting of several of these activities with other like-minded activities already located in Orlando. This would allow the DOD to take advantage of the existing land and facilities at NRL-USRD while also maintaining a unique laboratory asset. The remainder of these activities which are not consolidated at NRL-USRD, would be relocated to Newport, Rhode Island.

C. The Department of Defense substantially deviated from selection criterion 5 when the Department failed to properly evaluate the extent and timing of potential costs and savings including the number of years beginning with the date of completion and the closure of realignment for the savings to exceed the costs.

DOD did not fully evaluate the return on investment criteria with respect to its decision to place NRL-USRD on the closure list. The value and importance of the military value and operational readiness issues discussed above warrant a complete review and evaluation of all viable options regarding NRL-USRD, and the Navy omitted any evidence that such an analysis was performed.

Alternative cost scenarios would have revealed a cost plan which is cheaper initially and will save more in the long run, while maintaining the operational readiness of the DOD's forces. Further, had these other alternatives been examined, a fundamental inconsistency in DON's analysis would have been detected and corrected. As it stands, two final Navy scenarios relocating laboratory work to Newport used difference BOS/RPMA costs in Newport depending on which scenario is examined. The BOS/RPMA differences can generate a final

net present value in excess of $10 million a final net present value. The inconsistency noted can be found on input screen 4, BOS/RPMA at Newport, NUWC activity code 64410. The two COBRA runs are NRLO.cbr and NUWC 1.cbr can be found in Appendix C.

Attached in Appendix D, please find a combined COBRA analysis utilizing the Navy's COBRA models and incorporating both the closure of NUWC and NRL-USRD to Newport scenarios. In addition, the community compared that COBRA scenario to a consolidation approach which sends only specific schools to Newport, leaves underwater testing calibration in Orlando, and relocates underwater testing calibration functions in New London to Orlando. The community alternative is a more cost effective option which does not jeopardize the critical operational readiness concerns articulated earlier.

The community's alternative COBRA analysis generates a net present value that is nearly $30 million greater that DON's alternative and has a one-time cost that is $10.3 million less than DON's scenario. The community's COBRA alternative is attached under Appendix E. The chart below highlights the comparisons and distinctions between these COBRA runs.

	Community Alternative	**Navy COBRA Run: Combining NUWC and NRL-USRD**	**Difference**
One Time Costs	$ 21.5 M	$ 31.8 M	***$ 10.3 M***
Net Present Value	$ 139.5 M	$ 112.8 M	***$ 26.7 M***
Return on Investment	TWO YEARS	TWO YEARS	

Attachment

Armstrong Laboratory
Air Crew Training Facility

Mesa, Arizona

Background

Under the BRAC 91 process, the DOD recommended the closure of Williams Air Force Base and the relocation of one of the tenants at the base, the Armstrong Laboratory, the simulation research and development center for the Air Force, to Orlando, Florida. The rationale behind the proposed relocation stemmed from the fact that both the Navy and the Army simulation centers, the Naval Air Warfare Center - Training Systems Division (NAWC-TSD) and Simulation Training and Instrumentation Command (STRICOM) were already co-located at the Central Florida Research Park in Orlando, Florida. The synergy and corroboration between these two facilities have generated untold benefits to the DOD. The addition of the Air Force component in the simulation and training industry would complete the Department's collocation efforts.

Pursuant to public law, the Air Force began its relocation efforts to Orlando within the prescribed period of time. However, during the course of the last twelve months, the Air Force has undertaken studies to justify the request for a redirect of the Armstrong Laboratories from Orlando to Mesa so that the laboratories would remain in Arizona. According to correspondence provided by the Air Force, the Air Force Materiel Command initiated and conducted a study concerning Armstrong's missions, functions and locations. After requesting this information from the Air Force, it is our understanding that Congressman McCollum received a reply indicating that the study was an internal working document and, therefore, was not appropriate for release outside of the Air Force. Furthermore, the Air Force responded by saying that the study was not used in the Air Force BRAC analysis. However, in correspondence to Congressman McCollum, the Secretary of the Air Force implied that the conclusions of the study were the catalysis for the request of redirect.

Armstrong Laboratories Should Remain in Orlando, Florida

Armstrong Laboratories should be co-located with NAWC-TSD and STRICOM in Orlando, for two primary reasons. First, the current co-location of NAWC-TSD and STRICOM has afforded the Department of Defense a unique opportunity to avoid duplication of efforts among the services and to afford the development of a synergy between the departments which generates cost savings, more productivity and ultimately a better product. Consolidation of support activities such as simulation technology has proven to be extremely effective in the case of the Navy and the Army. Moving Armstrong Laboratories to Orlando to join all three

services in this co-location as directed by BRAC 91, just makes plain sense.

In its BRAC justification, the Air Force stated that facilities were not available at the estimated costs in Orlando but that is not true. Second, the Air Force justification for a redirect simply falls apart upon examination. They did not do their homework in the Orlando area. However, the Air Force never evaluated or considered options that exist at the closing Naval Training Center, Orlando or cost effective opportunities to move into the Central Florida Research Park. The Air Force stated that Navy actions in BRAC 93 reduced pilot resources necessary for this facility's work. However, pilot resources to assist the Air Force in its work are available at numerous facilities in the Central Florida area.

Finally, the recommendation by the Department of Defense to request a redirect so that Armstrong Laboratories remain in Mesa, Arizona seems to be in direct contradiction to the rationale used to attempt to move the NNPTC from Orlando to Charleston instead of considering maintaining the NNPTC in Orlando. In the latter situation, the Navy argues that although maintaining NNPTC in Orlando might be cost effective and might save the taxpayers millions of dollars over the next twenty years, the creation of a cantonment area around the NNPTC campus is tantamount to reopening a closed miliary installation. Since DOD made the same recommendation in its report to the DBCRC, it is implied that the Department agrees with the Navy in their rationale. However, the Secretary of the Air Force stated that the creation of a cantonment area around Armstrong Laboratory at what was once known as Williams Air Force Base was a viable solution. Again, the Department agreed with the Air Force in presenting that recommendation to the Base Closure Commission. However, therein lies the contradiction.

DOD improperly evaluated several of the military value criteria in making its final recommendation to the Defense Base Closure and Realignment Commission.

A. The Department of Defense substantially deviated from selection criterion 1 when the Department failed to properly evaluate the current and future mission requirements and the impact and operational readiness of the Department of Defenses total force.

The Department of Defense did not fully examine the issue of current and future mission requirements and the impact it would have on operational readiness when the Department recommended that Armstrong Laboratory be redirected to remain in Mesa, Arizona. According to the BRAC 91 Commission and the recommendation of the Secretary of the Air Force in 1991, the co-location of activities in Orlando of Armstrong Laboratories, NAWC-TSD, and STRICOM, result in untold benefits to the Department of Defense by avoiding duplication of efforts, increasing efficiency in research and development, and improving overall communications among the services in the area of simulation research and development. This type of synergism has been recognized in Orlando, Florida as a model for

the Department. The co-location of these activities in one research community obviously is to the benefit of the entire overall operational readiness of the Department's forces.

B. The Department of Defense substantially deviated from selection criterion 2 when the Department failed to properly evaluate the availability and condition of land, facilities, . . . at both the existing and potential receiving locations.

The Department of Defense did not fully examine the issue of availability and condition of land and facilities in Orlando, Florida when deciding to redirect the facilities to Armstrong Laboratories. In the Department of the Air Force's justification for the redirect, the Air Force stated that "this recommendation (to locate Armstrong to Orlando) was based on assumptions regarding Navy training activities and the availability of facilities. Subsequent to that Commission's report, it was discovered that the facilities were not available at the estimated costs." Facilities are available at reasonable or no cost in Orlando. The Air Force and the DOD just did not look. They do not appear to have examined potential facilities to house Armstrong Laboratories at the Central Florida Research Park where the Army and Navy simulation facilities are located nor did they examine the potential facilities located at the closing Naval Training Center Orlando. For instance, in the Central Florida Research Park, adjacent to the existing facilities which house NAWC-TSD and STRICOM, there exists a 130,000 square foot building which is for sale. The building formerly housed Harris Company operations in Orlando, Florida, and was recently vacated by Harris Company. The building is now owned by Barnett Bank and recently listed for $4.5 million. It is so convenient, STRICOM has assumed two of the four floors in the structure under a lease arrangement. The Air Force never investigated the possibility that for $4.5 million it could purchase this building and instead assumed the anticipated costs they cited in their COBRA analysis to construct a new facility at a total cost of $13.6 million.

C. The Department of Defense substantially deviated from selection criterion 4 when the Department failed to properly evaluate the cost and manpower implications associated with the redirect of the laboratory of Armstrong Laboratories to Mesa, Arizona.

DOD erroneously evaluated the issue of costs when it erred in its facilities availability analysis described above; erroneously evaluated the manpower situation in concluding that pilot resources would not be available in Orlando for the Armstrong mission. In the Air Force's justification for the redirect, they site that "the proximity to Luke AFB provides a ready source of fighter aircraft pilots who can support the research activities as consultants and subjects." In analyzing the manpower implications associated with that justification, the Department failed to properly analyze the large resources of fighter pilots, pilot training

consultants and subjects for this type of facility that will be located in the close proximity to the Central Florida community. These resources include: the 39th and 40th Flight Test Squadrons, the 58th, 59th and 60th Fighter Squadrons, and the 85th Test & Evaluation Squadron located at Eglin Air Force Base; the 159th Fighter Squadron located in Jacksonville; and the 95th Fighter Squadron located at Homestead Air Reserve Base. Apparently, the Air Force assumed pilot resources would be lost due to the closure of Cecil Field in Jacksonville by BRAC 93 and never analyzed other resources in Florida.

D. The Department of Defense substantially deviated from selection criterion 5 when the Department failed to properly evaluate the extent and timing of potential costs and savings including the number of years, beginning with the date of completion of the closure or realignment, for the savings to exceed the costs.

The DOD failed to properly examine and evaluate the return on investment associated with the recommendation to redirect Armstrong Laboratories to Mesa, Arizona. In the Department's analysis, the Department erroneously cited a $13.6 million MILCON avoidance cost. The Department never fully analyzed or fully evaluated the possibility of either free space located at the closing Naval Training Center Orlando, nor did the Department fully analyze the potential for sites located at the Central Florida Research Park. Had the Department performed this analysis prior to making its final recommendations, they could have identified free laboratory space at the former NTC-Orlando, or the Department could have investigated the possibility of purchasing a relatively new and modern facility for a fraction of its original cost in the Central Florida Research Park next to the Army and Navy facilities is discussed above.

In conclusion, the Department of Defense's justifications and rationale for recommending the redirect of Armstrong Laboratories to Mesa, Arizona from Orlando, Florida, are erroneous and unfounded and substantially deviated from several of the criteria. The recommendation for redirect should be set aside , and the decision of BRAC 91 to locate Armstrong Laboratories in Orlando ratified.

Appendix A

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Starting Year : 1996
Final Year : 1996
ROI Year : Immediate

NPV in 2015($K): -157,545
1-Time Cost($K): 8,125

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	683	-118,897	-38,777	1,223	1,223	0	-154,544	0
Person	0	0	0	0	0	0	0	0
Overhd	21	21	21	21	21	21	125	0
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	-5,025	-4,371	-406	-230	-371	-80	-10,483	0
TOTAL	-4,321	-123,247	-39,162	1,014	873	-59	-164,902	0

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0

Summary:

RETAIN Navy Nuclear Power School and NUCFLDASCOL ORLANDO

Includes New London cost avoidance of $162 million.

NPSORL2.cbr

- BUILDINGS NOT ID'ED IN APPENDIX B
- NO $2.1 million contract buy out
- BOS DIFFERENTIAL IS ZERO'ED OUT
- BEQ UPGRADES NOT INCLUDED

Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	3,107	1,223	1,223	1,223	1,223	0	8,000	0
Person	0	0	0	0	0	0	0	0
Overhd	21	21	21	21	21	21	125	0
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	3,128	1,244	1,244	1,244	1,244	21	8,125	0

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	2,424	120,120	40,000	0	0	0	162,544	0
Person	0	0	0	0	0	0	0	0
Overhd	0	0	0	0	0	0	0	0
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	5,025	4,371	406	230	371	80	10,483	0
TOTAL	7,449	124,491	40,406	230	371	80	173,027	0

NET PRESENT VALUES REPORT (COBRA v5.08)
Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Year	Cost($)	Adjusted Cost($)	NPV($)
1996	-4,321,133	-4,262,915	-4,262,915
1997	-123,246,925	-118,332,311	-122,595,227
1998	-39,161,925	-36,593,964	-159,189,190
1999	1,014,075	922,218	-158,266,972
2000	873,075	772,740	-157,494,233
2001	-59,167	-50,965	-157,545,198
2002	0	0	-157,545,198
2003	0	0	-157,545,198
2004	0	0	-157,545,198
2005	0	0	-157,545,198
2006	0	0	-157,545,198
2007	0	0	-157,545,198
2008	0	0	-157,545,198
2009	0	0	-157,545,198
2010	0	0	-157,545,198
2011	0	0	-157,545,198
2012	0	0	-157,545,198
2013	0	0	-157,545,198
2014	0	0	-157,545,198
2015	0	0	-157,545,198

TOTAL ONE-TIME COST REPORT (COBRA v5.08) - Page 1/4
Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	8,000,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		8,000,000
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	125,000	
Total - Overhead		125,000
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		0
Total One-Time Costs		8,125,000
One-Time Savings		
Military Construction Cost Avoidances	162,544,000	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	10,483,000	
Total One-Time Savings		173,027,000
Total Net One-Time Costs		-164,902,000

Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: SUBASE NEW LONDON, CT
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		0
Total One-Time Costs		0
One-Time Savings		
Military Construction Cost Avoidances	162,544,000	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		162,544,000
Total Net One-Time Costs		-162,544,000

Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: WPNSTA CHARLESTON, SC
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		0
Total One-Time Costs		0
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		0

ONE-TIME COST REPORT (COBRA v5.08) - Page 4/4
Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: NPS ORLANDO, FL
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	8,000,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		8,000,000
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	125,000	
Total - Overhead		125,000
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		0
Total One-Time Costs		8,125,000
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	10,483,000	
Total One-Time Savings		10,483,000
Total Net One-Time Costs		-2,358,000

TOTAL MILITARY CONSTRUCTION ASSETS (COBRA v5.08) - Page 1/4
Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

All Costs in $K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
SUBASE NEW LONDON	0	0	0	-162,544	-162,544
WPNSTA CHARLESTON	0	0	0	0	0
NPS ORLANDO	8,000	0	0	0	8,000
Totals:	8,000	0	0	-162,544	-154,544

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

MilCon for Base: SUBASE NEW LONDON, CT

All Costs in $K

Description:	MilCon Categ	Using Rehab	Rehab Cost*	New MilCon	New Cost*	Total Cost*
				Total Construction Cost:		0
				+ Info Management Account:		0
				+ Land Purchases:		0
				- Construction Cost Avoid:		162,544
				TOTAL:		-162,544

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

MilCon for Base: NPS ORLANDO, FL

All Costs in $K

Description:	MilCon Categ	Using Rehab	Rehab Cost*	New MilCon	New Cost*	Total Cost*
BEQ MAINT & OTH BLDGS	OTHER	0	n/a	0	n/a	8,000

Total Construction Cost:	8,000
+ Info Management Account:	0
+ Land Purchases:	0
- Construction Cost Avoid:	0
TOTAL:	8,000

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

PERSONNEL SUMMARY REPORT (COBRA v5.08)
Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

PERSONNEL SUMMARY FOR: SUBASE NEW LONDON, CT

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
859	7,419	2,164	1,015

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
859	7,419	2,164	1,015

PERSONNEL SUMMARY FOR: WPNSTA CHARLESTON, SC

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
145	1,695	67	727

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
145	1,695	67	727

PERSONNEL SUMMARY FOR: NPS ORLANDO, FL

BASE POPULATION (FY 1996):

Officers	Enlisted	Students	Civilians
149	365	2,266	194

FORCE STRUCTURE CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	0	0	-70	0	0	-70
TOTAL	0	0	0	-70	0	0	-70

BASE POPULATION (Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
149	365	2,266	124

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
149	365	2,266	124

TOTAL PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 1/4
Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*+		0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*+		0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

+ The Percentage of Civilians Not Willing to Move (Voluntary RIFs) varies from base to base.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: SUBASE NEW LONDON, CT	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: WPNSTA CHARLESTON, SC	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: NPS ORLANDO, FL	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	0.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	0.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

PERSONNEL YEARLY PERCENTAGES (COBRA v5.08)
Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: SUBASE NEW LONDON, CT

	Pers Moved In		MilCon	Pers Moved Out/Eliminated		ShutDn
Year	Total	Percent	TimePhase	Total	Percent	TimePhase
1996	0	0.00%	33.33%	0	0.00%	16.67%
1997	0	0.00%	16.67%	0	0.00%	16.67%
1998	0	0.00%	16.67%	0	0.00%	16.67%
1999	0	0.00%	16.67%	0	0.00%	16.67%
2000	0	0.00%	16.67%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	0	0.00%	100.00%	0	0.00%	100.00%

Base: WPNSTA CHARLESTON, SC

	Pers Moved In		MilCon	Pers Moved Out/Eliminated		ShutDn
Year	Total	Percent	TimePhase	Total	Percent	TimePhase
1996	0	0.00%	33.33%	0	0.00%	16.67%
1997	0	0.00%	16.67%	0	0.00%	16.67%
1998	0	0.00%	16.67%	0	0.00%	16.67%
1999	0	0.00%	16.67%	0	0.00%	16.67%
2000	0	0.00%	16.67%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	0	0.00%	100.00%	0	0.00%	100.00%

Base: NPS ORLANDO, FL

	Pers Moved In		MilCon	Pers Moved Out/Eliminated		ShutDn
Year	Total	Percent	TimePhase	Total	Percent	TimePhase
1996	0	0.00%	33.33%	0	0.00%	16.67%
1997	0	0.00%	16.67%	0	0.00%	16.67%
1998	0	0.00%	16.67%	0	0.00%	16.67%
1999	0	0.00%	16.67%	0	0.00%	16.67%
2000	0	0.00%	16.67%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	0	0.00%	100.00%	0	0.00%	100.00%

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 1/12
Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	3,107	1,223	1,223	1,223	1,223	0	8,000
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	21	21	21	21	21	21	125
New Hire	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	3,128	1,244	1,244	1,244	1,244	21	8,125

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COST	3,128	1,244	1,244	1,244	1,244	21	8,125	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	2,424	120,120	40,000	0	0	0	162,544
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	5,025	4,371	406	230	371	80	10,483
TOTAL ONE-TIME	7,449	124,491	40,406	230	371	80	173,027

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	7,449	124,491	40,406	230	371	80	173,027	0

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	683	-118,897	-38,777	1,223	1,223	0	-154,544
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	21	21	21	21	21	21	125
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	-5,025	-4,371	-406	-230	-371	-80	-10,483
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	704	-118,876	-38,756	1,244	1,244	21	-154,419

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL NET COST	-4,321	-123,247	-39,162	1,014	873	-59	-164,902	0

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: SUBASE NEW LONDON, CT

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: SUBASE NEW LONDON, CT

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	0	0	0	0	0	0	0	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	2,424	120,120	40,000	0	0	0	162,544
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	2,424	120,120	40,000	0	0	0	162,544

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	2,424	120,120	40,000	0	0	0	162,544	0

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: SUBASE NEW LONDON, CT

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	-2,424	-120,120	-40,000	0	0	0	-162,544
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	-2,424	-120,120	-40,000	0	0	0	-162,544

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL NET COST	-2,424	-120,120	-40,000	0	0	0	-162,544	0

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: WPNSTA CHARLESTON, SC

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: WPNSTA CHARLESTON, SC

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	0	0	0	0	0	0	0	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: WPNSTA CHARLESTON, SC

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL NET COST	0	0	0	0	0	0	0	0

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: NPS ORLANDO, FL

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	3,107	1,223	1,223	1,223	1,223	0	8,000
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	21	21	21	21	21	21	125
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	3,128	1,244	1,244	1,244	1,244	21	8,125

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: NPS ORLANDO, FL

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	3,128	1,244	1,244	1,244	1,244	21	8,125	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	5,025	4,371	406	230	371	80	10,483
TOTAL ONE-TIME	5,025	4,371	406	230	371	80	10,483

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	5,025	4,371	406	230	371	80	10,483	0

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: NPS ORLANDO, FL

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	3,107	1,223	1,223	1,223	1,223	0	8,000
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	21	21	21	21	21	21	125
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	-5,025	-4,371	-406	-230	-371	-80	-10,483
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	-1,897	-3,127	838	1,014	873	-59	-2,358

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL NET COST	-1,897	-3,127	838	1,014	873	-59	-2,358	0

PERSONNEL, SF, RPMA, AND BOS DELTAS (COBRA v5.08)
Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base	Personnel Change	Personnel %Change	SF Change	SF %Change	SF Chg/Per
SUBASE NEW LONDON	0	0%	0	0%	0
WPNSTA CHARLESTON	0	0%	0	0%	0
NPS ORLANDO	0	0%	-100,000	-9%	0

Base	RPMA($) Change	RPMA($) %Change	RPMA($) Chg/Per	BOS($) Change	BOS($) %Change	BOS($) Chg/Per
SUBASE NEW LONDON	0	0%	0	0	0%	0
WPNSTA CHARLESTON	0	0%	0	0	0%	0
NPS ORLANDO	0	0%	0	0	0%	0

Base	RPMABOS($) Change	RPMABOS($) %Change	RPMABOS($) Chg/Per
SUBASE NEW LONDON	0	0%	0
WPNSTA CHARLESTON	0	0%	0
NPS ORLANDO	0	0%	0

RPMA/BOS CHANGE REPORT (COBRA v5.08)
Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Net Change($K)	1996	1997	1998	1999	2000	2001	Total	Beyond
RPMA Change	0	0	0	0	0	0	0	0
BOS Change	0	0	0	0	0	0	0	0
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	0	0	0	0	0	0	0

INPUT DATA REPORT (COBRA v5.08)
Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
SUBASE NEW LONDON, CT	Realignment
WPNSTA CHARLESTON, SC	Realignment
NPS ORLANDO, FL	Realignment

Summary:

RETAIN Navy Nuclear Power School and NUCFLDASCOL ORLANDO

Includes New London cost avoidance of $162 million.

NPSORL2.cbr

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
SUBASE NEW LONDON, CT	WPNSTA CHARLESTON, SC	861 mi
SUBASE NEW LONDON, CT	NPS ORLANDO, FL	1,208 mi
WPNSTA CHARLESTON, SC	NPS ORLANDO, FL	347 mi

INPUT SCREEN THREE - MOVEMENT TABLE

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: SUBASE NEW LONDON, CT

Total Officer Employees:	859	RPMA Non-Payroll ($K/Year):	0
Total Enlisted Employees:	7,419	Communications ($K/Year):	0
Total Student Employees:	2,164	BOS Non-Payroll ($K/Year):	36,013
Total Civilian Employees:	1,015	BOS Payroll ($K/Year):	38,939
Mil Families Living On Base:	52.0%	Family Housing ($K/Year):	1,001
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	2,856	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	256	Activity Code:	00129
Enlisted VHA ($/Month):	192		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	Yes
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Name: WPNSTA CHARLESTON, SC

Total Officer Employees:	145	RPMA Non-Payroll ($K/Year):	0
Total Enlisted Employees:	1,695	Communications ($K/Year):	0
Total Student Employees:	67	BOS Non-Payroll ($K/Year):	10,982
Total Civilian Employees:	727	BOS Payroll ($K/Year):	22,090
Mil Families Living On Base:	27.0%	Family Housing ($K/Year):	157
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.85
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	1,303	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	82	Activity Code:	00193
Enlisted VHA ($/Month):	42		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NPS ORLANDO, FL

Total Officer Employees:	149	RPMA Non-Payroll ($K/Year):	0
Total Enlisted Employees:	365	Communications ($K/Year):	0
Total Student Employees:	2,266	BOS Non-Payroll ($K/Year):	21,000
Total Civilian Employees:	194	BOS Payroll ($K/Year):	12,000
Mil Families Living On Base:	0.0%	Family Housing ($K/Year):	0
Civilians Not Willing To Move:	0.0%	Area Cost Factor:	0.82
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	1,089	CHAMPUS Shift to Medicare:	20.9%
Officer VHA ($/Month):	216	Activity Code:	9999
Enlisted VHA ($/Month):	148		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.16	Unique Activity Information:	No

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	2,424	120,120	40,000	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

Name: WPNSTA CHARLESTON, SC

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NPS ORLANDO, FL

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	5,025	4,371	406	230	371	80
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	100%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 100 Perc Family Housing ShutDown: 0.0%

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NPS ORLANDO, FL

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	0	0	0	0	0
Enl Force Struc Change:	0	0	0	0	0	0
Civ Force Struc Change:	0	0	0	-70	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	0	0	0	0	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

INPUT SCREEN SEVEN - BASE MILITARY CONSTRUCTION INFORMATION

Name: NPS ORLANDO, FL

Description	Categ	New MilCon	Rehab MilCon	Total Cost($K)
BEQ MAINT & OTH BLDGS	OTHER	0	0	8,000

Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	71.70%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	60.10%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	98.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	76,781.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,925.00	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	33,178.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,251.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	50,827.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	NAVY O&M,N BRAC95	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	75.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	9.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	6.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	5.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	39.00%
Avg Bachelor Quarters(SF):	294.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1.00	Inflation Rate for NPV.RPT/ROI:	0.00%

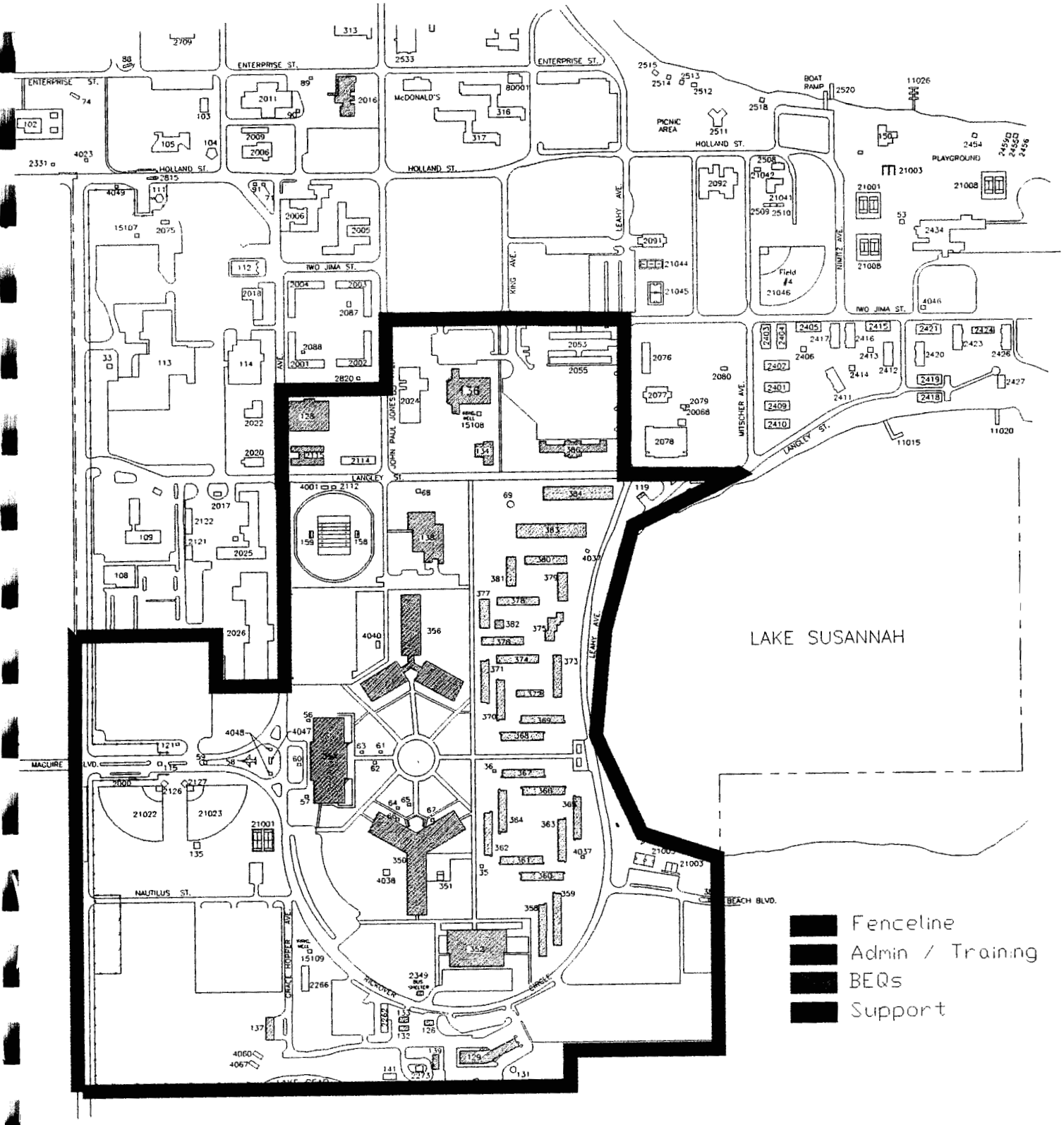
APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00
HHG Per Off Family (Lb):	14,500.00	Mil Light Vehicle($/Mile):	0.31
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle($/Mile):	3.38
HHG Per Mil Single (Lb):	6,400.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.17
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	3,763.00
Air Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	4,527.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	1,403.00

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	61	Optional Category A	( )	0
Waterfront	(LF)	10,350	Optional Category B	( )	0
Air Operations	(SF)	122	Optional Category C	( )	0
Operational	(SF)	111	Optional Category D	( )	0
Administrative	(SF)	123	Optional Category E	( )	0
School Buildings	(SF)	108	Optional Category F	( )	0
Maintenance Shops	(SF)	102	Optional Category G	( )	0
Bachelor Quarters	(SF)	96	Optional Category H	( )	0
Family Quarters	(EA)	78,750	Optional Category I	( )	0
Covered Storage	(SF)	94	Optional Category J	( )	0
Dining Facilities	(SF)	165	Optional Category K	( )	0
Recreation Facilities	(SF)	120	Optional Category L	( )	0
Communications Facil	(SF)	165	Optional Category M	( )	0
Shipyard Maintenance	(SF)	129	Optional Category N	( )	0
RDT & E Facilities	(SF)	160	Optional Category O	( )	0
POL Storage	(BL)	12	Optional Category P	( )	0
Ammunition Storage	(SF)	160	Optional Category Q	( )	0
Medical Facilities	(SF)	168	Optional Category R	( )	0
Environmental	( )	0			



Nuclear Power Training Command
Orlando, FL

Appendix C

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
Data As Of 17:36 11/30/1994, Report Created 13:46 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC1.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Starting Year : 1996
Final Year : 1997
ROI Year : 2000 (3 Years)

NPV in 2015($K): -91,220
1-Time Cost($K): 23,433

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	-783	-3,431	-3,431	-3,431	-3,431	-14,506	-3,431
Overhd	812	2,497	-4,134	-4,134	-4,134	-4,134	-13,228	-4,134
Moving	0	13,116	0	0	0	0	13,116	0
Missio	0	0	-490	-490	-490	-490	-1,960	-490
Other	7,069	-4,771	0	0	0	0	2,298	0
TOTAL	7,881	10,059	-8,055	-8,055	-8,055	-8,055	-14,280	-8,055

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	2	0	0	0	0	2
Enl	0	3	0	0	0	0	3
Civ	0	58	0	0	0	0	58
TOT	0	63	0	0	0	0	63
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	420	0	0	0	0	420
TOT	0	420	0	0	0	0	420

Summary:

CLOSE NUWC NEW LONDON. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT.

SCENARIO 038

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 2/2
Data As Of 17:36 11/30/1994, Report Created 13:46 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC1.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	934	0	0	0	0	934	0
Overhd	812	3,418	2,405	2,405	2,405	2,405	13,849	2,405
Moving	0	13,116	0	0	0	0	13,116	0
Missio	0	0	0	0	0	0	0	0
Other	7,069	488	0	0	0	0	7,557	0
TOTAL	7,881	17,957	2,405	2,405	2,405	2,405	35,457	2,405

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	1,718	3,431	3,431	3,431	3,431	15,441	3,431
Overhd	0	920	6,539	6,539	6,539	6,539	27,077	6,539
Moving	0	0	0	0	0	0	0	0
Missio	0	0	490	490	490	490	1,960	490
Other	0	5,259	0	0	0	0	5,259	0
TOTAL	0	7,897	10,460	10,460	10,460	10,460	49,737	10,460

INPUT DATA REPORT (COBRA v5.08)
Data As Of 17:36 11/30/1994, Report Created 13:46 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC1.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
NUWC NEW LONDON, CT	Realignment
NUWC NEWPORT, RI	Realignment
SUBASE NEW LONDON, CT	Realignment

Summary:

CLOSE NUWC NEW LONDON. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT.

SCENARIO 038

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
NUWC NEW LONDON, CT	NUWC NEWPORT, RI	55 mi
NUWC NEW LONDON, CT	SUBASE NEW LONDON, CT	7 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NUWC NEW LONDON, CT to NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	417	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	6	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Transfers from NUWC NEW LONDON, CT to SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	3	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC1.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NUWC NEW LONDON, CT

Total Officer Employees:	2	RPMA Non-Payroll ($K/Year):	1,108
Total Enlisted Employees:	10	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	11,345
Total Civilian Employees:	999	BOS Payroll ($K/Year):	5,660
Mil Families Living On Base:	52.0%	Family Housing ($K/Year):	35
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	323	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	256	Activity Code:	70024
Enlisted VHA ($/Month):	192		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	Yes
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Name: NUWC NEWPORT, RI

Total Officer Employees:	53	RPMA Non-Payroll ($K/Year):	2,783
Total Enlisted Employees:	83	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	29,902
Total Civilian Employees:	2,579	BOS Payroll ($K/Year):	13,090
Mil Families Living On Base:	68.0%	Family Housing ($K/Year):	77
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.20
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	2,212	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	300	Activity Code:	66604
Enlisted VHA ($/Month):	228		
Per Diem Rate ($/Day):	118	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Name: SUBASE NEW LONDON, CT

Total Officer Employees:	842	RPMA Non-Payroll ($K/Year):	7,882
Total Enlisted Employees:	7,211	Communications ($K/Year):	0
Total Student Employees:	205	BOS Non-Payroll ($K/Year):	36,013
Total Civilian Employees:	1,050	BOS Payroll ($K/Year):	38,939
Mil Families Living On Base:	52.0%	Family Housing ($K/Year):	1,001
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	2,856	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	256	Activity Code:	00129
Enlisted VHA ($/Month):	192		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Data As Of 17:36 11/30/1994, Report Created 13:46 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC1.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	5,259	0	0	0	0
1-Time Moving Cost ($K):	0	4,219	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	490	490	490	490
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 323 Perc Family Housing ShutDown: 0.0%

Name: NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	6,769	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	300	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

Name: SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

(See final page for Explanatory Notes)

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC1.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	0	0	0	0	0
Enl Force Struc Change:	-7	0	0	0	0	0
Civ Force Struc Change:	-520	0	0	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	-2	0	0	0	0
Enl Scenario Change:	0	-3	0	0	0	0
Civ Scenario Change:	0	-58	0	0	0	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	71.70%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	60.10%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	98.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	76,781.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,925.00	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	33,178.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,251.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	54,694.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	NAVY DBOF BRAC95	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	75.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	9.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	6.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	5.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	39.00%
Avg Bachelor Quarters(SF):	294.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1.00	Inflation Rate for NPV.RPT/ROI:	0.00%

APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00
HHG Per Off Family (Lb):	14,500.00	Mil Light Vehicle($/Mile):	0.31
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle($/Mile):	3.38
HHG Per Mil Single (Lb):	6,400.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.17
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	3,763.00
Air Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	4,527.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	1,403.00

Data As Of 17:36 11/30/1994, Report Created 13:46 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC1.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	61	Optional Category A	( )	0
Waterfront	(LF)	10,350	Optional Category B	( )	0
Air Operations	(SF)	122	Optional Category C	( )	0
Operational	(SF)	111	Optional Category D	( )	0
Administrative	(SF)	123	Optional Category E	( )	0
School Buildings	(SF)	108	Optional Category F	( )	0
Maintenance Shops	(SF)	102	Optional Category G	( )	0
Bachelor Quarters	(SF)	96	Optional Category H	( )	0
Family Quarters	(EA)	78,750	Optional Category I	( )	0
Covered Storage	(SF)	94	Optional Category J	( )	0
Dining Facilities	(SF)	165	Optional Category K	( )	0
Recreation Facilities	(SF)	120	Optional Category L	( )	0
Communications Facil	(SF)	165	Optional Category M	( )	0
Shipyard Maintenance	(SF)	129	Optional Category N	( )	0
RDT & E Facilities	(SF)	160	Optional Category O	( )	0
POL Storage	(BL)	12	Optional Category P	( )	0
Ammunition Storage	(SF)	160	Optional Category Q	( )	0
Medical Facilities	(SF)	168	Optional Category R	( )	0
Environmental	( )	0			

EXPLANATORY NOTES (INPUT SCREEN NINE)

SCREEN 5-NEW LONDON: $5,259K - ESTIMATED COST AVOIDANCE FOR BRAC-91 ACTIONS.

SCREEN 5-NEW LONDON: $4,219K - UNIQUE MOVING COSTS FOR MISSION AND SUPPORT EQUIPMENT.

SCREEN 5-NEW LONDON: $490K - NET MISSION SAVINGS FOR REDUCED OFFICIAL TRAVEL EXPENSES.

SCREEN 5-NEWPORT: $6,769 - UNIQUE ONE TIME COSTS FOR REFURBISHMENT

SCREEN 5-NEWPORT: $300K IN ENVIRONMENTAL MITIGATION FOR EIS, PERMITS...

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
Data As Of 08:24 11/21/1994, Report Created 13:45 06/08/1995

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NRLO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Starting Year : 1996
Final Year : 1997
ROI Year : 2000 (3 Years)

NPV in 2015($K): -30,147
1-Time Cost($K): 8,355

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	-1,030	-2,461	-2,461	-2,461	-2,461	-10,875	-2,461
Overhd	78	342	-261	-261	-261	-261	-625	-261
Moving	0	3,359	0	0	0	0	3,359	0
Missio	0	-1	-33	-33	-33	-33	-133	-33
Other	0	4,563	0	0	0	0	4,563	0
TOTAL	78	7,233	-2,755	-2,755	-2,755	-2,755	-3,711	-2,755

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	0	45	0	0	0	0	45
TOT	0	45	0	0	0	0	45
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	55	0	0	0	0	55
TOT	0	55	0	0	0	0	55

Summary:

Close NRL Det Orlando.
No military personnel onboard.
Activity desires maintain calibration and standards function at NUWC Newport.

SCENARIO 046

INPUT DATA REPORT (COBRA v5.08)
Data As Of 08:24 11/21/1994, Report Created 13:45 06/08/1995

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NRLO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
NRL DET ORLANDO, FL	Closes in FY 1997
NUWC NEWPORT, RI	Realignment

Summary:

Close NRL Det Orlando.
No military personnel onboard.
Activity desires maintain calibration and standards function at NUWC Newport.

SCENARIO 046

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
NRL DET ORLANDO, FL	NUWC NEWPORT, RI	1,259 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NRL DET ORLANDO, FL to NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	55	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	40	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NRL DET ORLANDO, FL

Total Officer Employees:	0	RPMA Non-Payroll ($K/Year):	180
Total Enlisted Employees:	0	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	490
Total Civilian Employees:	100	BOS Payroll ($K/Year):	295
Mil Families Living On Base:	0.0%	Family Housing ($K/Year):	0
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.80
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	76	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	155	Activity Code:	62190
Enlisted VHA ($/Month):	139		
Per Diem Rate ($/Day):	96	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 2/2
Data As Of 08:24 11/21/1994, Report Created 13:45 06/08/1995

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NRLO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	201	0	0	0	0	201	0
Overhd	78	562	409	409	409	409	2,276	409
Moving	0	3,359	0	0	0	0	3,359	0
Missio	0	0	0	0	0	0	0	0
Other	0	4,563	0	0	0	0	4,563	0
TOTAL	78	8,685	409	409	409	409	10,398	409

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	1,231	2,461	2,461	2,461	2,461	11,075	2,461
Overhd	-0	221	670	670	670	670	2,901	670
Moving	0	0	0	0	0	0	0	0
Missio	0	1	33	33	33	33	133	33
Other	0	0	0	0	0	0	0	0
TOTAL	-0	1,452	3,164	3,164	3,164	3,164	14,109	3,164

Data As Of 08:24 11/21/1994, Report Created 13:45 06/08/1995

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NRLO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NUWC NEWPORT, RI

Total Officer Employees:	53	RPMA Non-Payroll ($K/Year):	4,770
Total Enlisted Employees:	83	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	37,532
Total Civilian Employees:	2,579	BOS Payroll ($K/Year):	16,011
Mil Families Living On Base:	68.0%	Family Housing ($K/Year):	77
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.20
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	2,212	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	300	Activity Code:	66604
Enlisted VHA ($/Month):	228		
Per Diem Rate ($/Day):	118	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NRL DET ORLANDO, FL

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	1,046	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	1,835	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	1	33	33	33	33
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 76 Perc Family Housing ShutDown: 0.0%

Name: NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	3,517	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

(See final page for Explanatory Notes)

Data As Of 08:24 11/21/1994, Report Created 13:45 06/08/1995

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NRLO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NRL DET ORLANDO, FL

	1996	1997	1998	1999	2000	2001
Off Force Struc Cha. e:	0	0	0	0	0	0
Enl Force Struc Change:	0	0	0	0	0	0
Civ Force Struc Change:	0	0	0	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	-45	0	0	0	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	71.70%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	60.10%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	98.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	76,781.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,925.00	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	33,178.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,251.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	54,694.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	NAVY DBOF BRAC95	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	75.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	9.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	6.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	5.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	39.00%
Avg Bachelor Quarters(SF):	294.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1.00	Inflation Rate for NPV.RPT/ROI:	0.00%

APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00
HHG Per Off Family (Lb):	14,500.00	Mil Light Vehicle($/Mile):	0.31
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle($/Mile):	3.38
HHG Per Mil Single (Lb):	6,400.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.17
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	3,763.00
Air Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	4,527.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	1,403.00

Data As Of 08:24 11/21/1994, Report Created 13:45 06/08/1995

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NRLO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	61	Optional Category A	( )	0
Waterfront	(LF)	10,350	Optional Category B	( )	0
Air Operations	(SF)	122	Optional Category C	( )	0
Operational	(SF)	111	Optional Category D	( )	0
Administrative	(SF)	123	Optional Category E	( )	0
School Buildings	(SF)	108	Optional Category F	( )	0
Maintenance Shops	(SF)	102	Optional Category G	( )	0
Bachelor Quarters	(SF)	96	Optional Category H	( )	0
Family Quarters	(EA)	78,750	Optional Category I	( )	0
Covered Storage	(SF)	94	Optional Category J	( )	0
Dining Facilities	(SF)	165	Optional Category K	( )	0
Recreation Facilities	(SF)	120	Optional Category L	( )	0
Communications Facil	(SF)	165	Optional Category M	( )	0
Shipyard Maintenance	(SF)	129	Optional Category N	( )	0
RDT & E Facilities	(SF)	160	Optional Category O	( )	0
POL Storage	(BL)	12	Optional Category P	( )	0
Ammunition Storage	(SF)	160	Optional Category Q	( )	0
Medical Facilities	(SF)	168	Optional Category R	( )	0
Environmental	( )	0			

EXPLANATORY NOTES (INPUT SCREEN NINE)

5 - One-time unique costs related to lease requirement to return Leesburg Field Site to original condx.

5 - One-time moving cost related to transfer of 2 anechoic tanks to NUWC Newport.

5 - One-time unique cost for Newport related to reassembly and construction required for 2 anechoic tanks transfered from USRL Orlando.

5 - Mission savings related to termination of Leesburg Field Site lease which was 32/K per year. Also termination of 1K/yr pipeline lease for lake level at Orlando site.

Appendix D

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Starting Year : 1996
Final Year : 1998
ROI Year : 2000 (2 Years)

NPV in 2015($K): -112,855
1-Time Cost($K): 31,832

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	-1,813	-5,892	-5,892	-5,892	-5,892	-25,381	-5,892
Overhd	891	3,425	-3,765	-3,810	-3,810	-3,810	-10,878	-3,810
Moving	0	16,475	0	0	0	0	16,475	0
Missio	0	-1	-523	-523	-523	-523	-2,093	-523
Other	7,069	-208	0	0	0	0	6,861	0
TOTAL	7,960	17,878	-10,180	-10,224	-10,224	-10,224	-15,016	-10,224

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	2	0	0	0	0	2
Enl	0	3	0	0	0	0	3
Civ	0	103	0	0	0	0	103
TOT	0	108	0	0	0	0	108
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	475	0	0	0	0	475
TOT	0	475	0	0	0	0	475

Summary:

CLOSE NUWC NEW LONDON. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT.
CLOSE NRL ORLANDO. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT.

COMBINED NUWC RUN TO ASSESS FULL COSTS OF NUWC CONSOLIDATION
USE BOS/RPMA COSTS FOR NUWC SHOWN IN NRLO.cbr (HIGHER BOS/RPMA)

FISHKIND SCENARIO

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 2/2
Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	1,135	0	0	0	0	1,135	0
Overhd	891	4,566	3,444	3,400	3,400	3,400	19,100	3,400
Moving	0	16,475	0	0	0	0	16,475	0
Missio	0	0	0	0	0	0	0	0
Other	7,069	5,051	0	0	0	0	12,120	0
TOTAL	7,960	27,228	3,444	3,400	3,400	3,400	48,830	3,400

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	2,949	5,892	5,892	5,892	5,892	26,516	5,892
Overhd	-0	1,141	7,209	7,209	7,209	7,209	29,978	7,209
Moving	0	0	0	0	0	0	0	0
Missio	0	1	523	523	523	523	2,093	523
Other	0	5,259	0	0	0	0	5,259	0
TOTAL	-0	9,350	13,624	13,624	13,624	13,624	63,846	13,624

NET PRESENT VALUES REPORT (COBRA v5.08)
Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
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Year	Cost($)	Adjusted Cost($)	NPV($)
1996	7,959,905	7,852,663	7,852,663
1997	17,878,255	17,165,339	25,018,002
1998	-10,180,425	-9,512,865	15,505,137
1999	-10,224,581	-9,298,419	6,206,717
2000	-10,224,581	-9,049,557	-2,842,839
2001	-10,224,581	-8,807,354	-11,650,194
2002	-10,224,581	-8,571,634	-20,221,828
2003	-10,224,581	-8,342,223	-28,564,052
2004	-10,224,581	-8,118,952	-36,683,004
2005	-10,224,581	-7,901,657	-44,584,661
2006	-10,224,581	-7,690,177	-52,274,837
2007	-10,224,581	-7,484,357	-59,759,194
2008	-10,224,581	-7,284,046	-67,043,240
2009	-10,224,581	-7,089,095	-74,132,336
2010	-10,224,581	-6,899,363	-81,031,699
2011	-10,224,581	-6,714,709	-87,746,407
2012	-10,224,581	-6,534,996	-94,281,403
2013	-10,224,581	-6,360,094	-100,641,497
2014	-10,224,581	-6,189,872	-106,831,369
2015	-10,224,581	-6,024,206	-112,855,576

TOTAL ONE-TIME COST REPORT (COBRA v5.08) - Page 1/5
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Department : NAVY
Option Package : NUWC NEW LONDON
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(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	725,242	
Civilian Early Retirement	290,425	
Civilian New Hires	0	
Eliminated Military PCS	13,263	
Unemployment	106,488	
Total - Personnel		1,135,418
Overhead		
Program Planning Support	1,603,240	
Mothball / Shutdown	498,750	
Total - Overhead		2,101,990
Moving		
Civilian Moving	9,406,494	
Civilian PPS	921,600	
Military Moving	0	
Freight	92,770	
One-Time Moving Costs	6,054,000	
Total - Moving		16,474,864
Other		
HAP / RSE	488,249	
Environmental Mitigation Costs	300,000	
One-Time Unique Costs	11,332,000	
Total - Other		12,120,249
Total One-Time Costs		31,832,522
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	5,259,000	
Total One-Time Savings		5,259,000
Total Net One-Time Costs		26,573,522

ONE-TIME COST REPORT (COBRA v5.08) - Page 2/5
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Department : NAVY
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Base: NUWC NEW LONDON, CT
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	597,258	
Civilian Early Retirement	236,278	
Civilian New Hires	0	
Eliminated Military PCS	13,263	
Unemployment	87,696	
Total - Personnel		934,495
Overhead		
Program Planning Support	1,421,709	
Mothball / Shutdown	403,750	
Total - Overhead		1,825,459
Moving		
Civilian Moving	8,311,035	
Civilian PPS	518,400	
Military Moving	0	
Freight	67,813	
One-Time Moving Costs	4,219,000	
Total - Moving		13,116,248
Other		
HAP / RSE	488,249	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		488,249
Total One-Time Costs		16,364,452
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	5,259,000	
Total One-Time Savings		5,259,000
Total Net One-Time Costs		11,105,452

ONE-TIME COST REPORT (COBRA v5.08) - Page 3/5
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Department : NAVY
Option Package : NUWC NEW LONDON
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Base: NUWC NEWPORT, RI
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	300,000	
One-Time Unique Costs	10,286,000	
Total - Other		10,586,000
Total One-Time Costs		10,586,000
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		10,586,000

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Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: SUBASE NEW LONDON, CT
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		0
Total One-Time Costs		0
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		0

ONE-TIME COST REPORT (COBRA v5.08) - Page 5/5
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Department : NAVY
Option Package : NUWC NEW LONDON
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Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	127,984	
Civilian Early Retirement	54,147	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	18,792	
Total - Personnel		200,923
Overhead		
Program Planning Support	181,531	
Mothball / Shutdown	95,000	
Total - Overhead		276,531
Moving		
Civilian Moving	1,095,459	
Civilian PPS	403,200	
Military Moving	0	
Freight	24,957	
One-Time Moving Costs	1,835,000	
Total - Moving		3,358,616
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	1,046,000	
Total - Other		1,046,000
Total One-Time Costs		4,882,071
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		4,882,071

TOTAL MILITARY CONSTRUCTION ASSETS (COBRA v5.08) - Page 1/5
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Department : NAVY
Option Package : NUWC NEW LONDON
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All Costs in $K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
NUWC NEW LONDON	0	0	0	0	0
NUWC NEWPORT	0	0	0	0	0
SUBASE NEW LONDON	0	0	0	0	0
NRL ORLANDO	0	0	0	0	0
Totals:	0	0	0	0	0

PERSONNEL SUMMARY REPORT (COBRA v5.08)
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Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
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PERSONNEL SUMMARY FOR: NUWC NEW LONDON, CT

BASE POPULATION (FY 1996):

Officers	Enlisted	Students	Civilians
2	10	0	999

FORCE STRUCTURE CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	-7	0	0	0	0	0	-7
Students	0	0	0	0	0	0	0
Civilians	-520	0	0	0	0	0	-520
TOTAL	-527	0	0	0	0	0	-527

BASE POPULATION (Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
2	3	0	479

PERSONNEL REALIGNMENTS:
To Base: NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	417	0	0	0	0	417
TOTAL	0	417	0	0	0	0	417

To Base: SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	3	0	0	0	0	3
TOTAL	0	3	0	0	0	0	3

TOTAL PERSONNEL REALIGNMENTS (Out of NUWC NEW LONDON, CT):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	420	0	0	0	0	420
TOTAL	0	420	0	0	0	0	420

SCENARIO POSITION CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	-2	0	0	0	0	-2
Enlisted	0	-3	0	0	0	0	-3
Civilians	0	-58	0	0	0	0	-58
TOTAL	0	-63	0	0	0	0	-63

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	1

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
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PERSONNEL SUMMARY FOR: NUWC NEWPORT, RI

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
53	83	0	2,579

PERSONNEL REALIGNMENTS:
From Base: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	417	0	0	0	0	417
TOTAL	0	417	0	0	0	0	417

From Base: NRL ORLANDO, FL

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	55	0	0	0	0	55
TOTAL	0	55	0	0	0	0	55

TOTAL PERSONNEL REALIGNMENTS (Into NUWC NEWPORT, RI):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	472	0	0	0	0	472
TOTAL	0	472	0	0	0	0	472

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
53	83	0	3,051

PERSONNEL SUMMARY FOR: SUBASE NEW LONDON, CT

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
842	7,211	205	1,050

PERSONNEL REALIGNMENTS:
From Base: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	3	0	0	0	0	3
TOTAL	0	3	0	0	0	0	3

TOTAL PERSONNEL REALIGNMENTS (Into SUBASE NEW LONDON, CT):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	3	0	0	0	0	3
TOTAL	0	3	0	0	0	0	3

PERSONNEL SUMMARY REPORT (COBRA v5.08) - Page 3
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BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
842	7,211	205	1,053

PERSONNEL SUMMARY FOR: NRL ORLANDO, FL

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	100

PERSONNEL REALIGNMENTS:
To Base: NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	55	0	0	0	0	55
TOTAL	0	55	0	0	0	0	55

TOTAL PERSONNEL REALIGNMENTS (Out of NRL ORLANDO, FL):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	55	0	0	0	0	55
TOTAL	0	55	0	0	0	0	55

SCENARIO POSITION CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Civilians	0	-45	0	0	0	0	-45
TOTAL	0	-45	0	0	0	0	-45

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	0

TOTAL PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 1/5
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	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	475	0	0	0	0	475
Early Retirement*	10.00%	0	48	0	0	0	0	48
Regular Retirement*	5.00%	0	24	0	0	0	0	24
Civilian Turnover*	15.00%	0	71	0	0	0	0	71
Civs Not Moving (RIFs)*+		0	28	0	0	0	0	28
Civilians Moving (the remainder)		0	304	0	0	0	0	304
Civilian Positions Available		0	171	0	0	0	0	171
CIVILIAN POSITIONS ELIMINATED		0	103	0	0	0	0	103
Early Retirement	10.00%	0	11	0	0	0	0	11
Regular Retirement	5.00%	0	5	0	0	0	0	5
Civilian Turnover	15.00%	0	16	0	0	0	0	16
Civs Not Moving (RIFs)*+		0	6	0	0	0	0	6
Priority Placement#	60.00%	0	62	0	0	0	0	62
Civilians Available to Move		0	3	0	0	0	0	3
Civilians Moving		0	3	0	0	0	0	3
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	475	0	0	0	0	475
Civilians Moving		0	307	0	0	0	0	307
New Civilians Hired		0	168	0	0	0	0	168
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	59	0	0	0	0	59
TOTAL CIVILIAN RIFS		0	34	0	0	0	0	34
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	62	0	0	0	0	62
TOTAL CIVILIAN NEW HIRES		0	168	0	0	0	0	168

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

+ The Percentage of Civilians Not Willing to Move (Voluntary RIFs) varies from base to base.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 2/5
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Base: NUWC NEW LONDON, CT	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	420	0	0	0	0	420
Early Retirement*	10.00%	0	42	0	0	0	0	42
Regular Retirement*	5.00%	0	21	0	0	0	0	21
Civilian Turnover*	15.00%	0	63	0	0	0	0	63
Civs Not Moving (RIFs)*	6.00%	0	25	0	0	0	0	25
Civilians Moving (the remainder)		0	269	0	0	0	0	269
Civilian Positions Available		0	151	0	0	0	0	151
CIVILIAN POSITIONS ELIMINATED		0	58	0	0	0	0	58
Early Retirement	10.00%	0	6	0	0	0	0	6
Regular Retirement	5.00%	0	3	0	0	0	0	3
Civilian Turnover	15.00%	0	9	0	0	0	0	9
Civs Not Moving (RIFs)*	6.00%	0	3	0	0	0	0	3
Priority Placement#	60.00%	0	35	0	0	0	0	35
Civilians Available to Move		0	2	0	0	0	0	2
Civilians Moving		0	2	0	0	0	0	2
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	48	0	0	0	0	48
TOTAL CIVILIAN RIFS		0	28	0	0	0	0	28
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	35	0	0	0	0	35
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 3/5
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Base: NUWC NEWPORT, RI	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	472	0	0	0	0	472
Civilians Moving		0	304	0	0	0	0	304
New Civilians Hired		0	168	0	0	0	0	168
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	168	0	0	0	0	168

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: SUBASE NEW LONDON, CT	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	3	0	0	0	0	3
Civilians Moving		0	3	0	0	0	0	3
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 5/5
Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL

	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT								
Early Retirement*	10.00%	0	55	0	0	0	0	55
Regular Retirement*	5.00%	0	6	0	0	0	0	6
Civilian Turnover*	15.00%	0	3	0	0	0	0	3
Civs Not Moving (RIFs)*	6.00%	0	8	0	0	0	0	8
Civilians Moving (the remainder)		0	3	0	0	0	0	3
Civilian Positions Available		0	35	0	0	0	0	35
		0	20	0	0	0	0	20
CIVILIAN POSITIONS ELIMINATED								
Early Retirement	10.00%	0	45	0	0	0	0	45
Regular Retirement	5.00%	0	5	0	0	0	0	5
Civilian Turnover	15.00%	0	2	0	0	0	0	2
Civs Not Moving (RIFs)*	6.00%	0	7	0	0	0	0	7
Priority Placement#	60.00%	0	3	0	0	0	0	3
Civilians Available to Move		0	27	0	0	0	0	27
Civilians Moving		0	1	0	0	0	0	1
Civilian RIFs (the remainder)		0	1	0	0	0	0	1
		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN								
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
		0	0	0	0	0	0	0
OTAL CIVILIAN EARLY RETIRMENTS		0	11	0	0	0	0	11
OTAL CIVILIAN RIFS		0	6	0	0	0	0	6
OTAL CIVILIAN PRIORITY PLACEMENTS#		0	27	0	0	0	0	27
OTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

PERSONNEL YEARLY PERCENTAGES (COBRA v5.08) - Page 1/2
Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT

	Pers Moved In		MilCon	Pers Moved Out/Eliminated		ShutDn
Year	Total	Percent	TimePhase	Total	Percent	TimePhase
1996	0	0.00%	100.00%	0	0.00%	0.00%
1997	0	0.00%	0.00%	483	100.00%	100.00%
1998	0	0.00%	0.00%	0	0.00%	0.00%
1999	0	0.00%	0.00%	0	0.00%	0.00%
2000	0	0.00%	0.00%	0	0.00%	0.00%
2001	0	0.00%	0.00%	0	0.00%	0.00%
TOTALS	0	0.00%	100.00%	483	100.00%	100.00%

Base: NUWC NEWPORT, RI

	Pers Moved In		MilCon	Pers Moved Out/Eliminated		ShutDn
Year	Total	Percent	TimePhase	Total	Percent	TimePhase
1996	0	0.00%	100.00%	0	0.00%	16.67%
1997	472	100.00%	0.00%	0	0.00%	16.67%
1998	0	0.00%	0.00%	0	0.00%	16.67%
1999	0	0.00%	0.00%	0	0.00%	16.67%
2000	0	0.00%	0.00%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	472	100.00%	100.00%	0	0.00%	100.00%

Base: SUBASE NEW LONDON, CT

	Pers Moved In		MilCon	Pers Moved Out/Eliminated		ShutDn
Year	Total	Percent	TimePhase	Total	Percent	TimePhase
1996	0	0.00%	100.00%	0	0.00%	16.67%
1997	3	100.00%	0.00%	0	0.00%	16.67%
1998	0	0.00%	0.00%	0	0.00%	16.67%
1999	0	0.00%	0.00%	0	0.00%	16.67%
2000	0	0.00%	0.00%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	3	100.00%	100.00%	0	0.00%	100.00%

PERSONNEL YEARLY PERCENTAGES (COBRA v5.08) - Page 2/2
Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL

	Pers Moved In		MilCon	Pers Moved Out/Eliminated		ShutDn
Year	Total	Percent	TimePhase	Total	Percent	TimePhase
1996	0	0.00%	66.67%	0	0.00%	0.00%
1997	0	0.00%	33.33%	100	100.00%	100.00%
1998	0	0.00%	0.00%	0	0.00%	0.00%
1999	0	0.00%	0.00%	0	0.00%	0.00%
2000	0	0.00%	0.00%	0	0.00%	0.00%
2001	0	0.00%	0.00%	0	0.00%	0.00%
TOTALS	0	0.00%	100.00%	100	100.00%	100.00%

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 1/15
Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	0	725	0	0	0	0	725
Civ Retire	0	290	0	0	0	0	290
CIV MOVING							
Per Diem	0	1,096	0	0	0	0	1,096
POV Miles	0	11	0	0	0	0	11
Home Purch	0	3,827	0	0	0	0	3,827
HHG	0	1,953	0	0	0	0	1,953
Misc	0	213	0	0	0	0	213
House Hunt	0	676	0	0	0	0	676
PPS	0	922	0	0	0	0	922
RITA	0	1,630	0	0	0	0	1,630
FREIGHT							
Packing	0	76	0	0	0	0	76
Freight	0	16	0	0	0	0	16
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	106	0	0	0	0	106
OTHER							
Program Plan	891	668	44	0	0	0	1,603
Shutdown	0	499	0	0	0	0	499
New Hire	0	0	0	0	0	0	0
1-Time Move	0	6,054	0	0	0	0	6,054
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	13	0	0	0	0	13
OTHER							
HAP / RSE	0	488	0	0	0	0	488
Environmental	300	0	0	0	0	0	300
Info Manage	0	0	0	0	0	0	0
1-Time Other	6,769	4,563	0	0	0	0	11,332
TOTAL ONE-TIME	7,960	23,828	44	0	0	0	31,832

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	3,400	3,400	3,400	3,400	3,400	16,998	3,400
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	3,400	3,400	3,400	3,400	3,400	16,998	3,400
TOTAL COST	7,960	27,228	3,444	3,400	3,400	3,400	48,830	3,400

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	5,259	0	0	0	0	5,259
TOTAL ONE-TIME	0	5,259	0	0	0	0	5,259

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	-0	612	1,288	1,288	1,288	1,288	5,764	1,288
BOS	0	529	5,921	5,921	5,921	5,921	24,214	5,921
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	2,817	5,633	5,633	5,633	5,633	25,351	5,633
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	77	153	153	153	153	691	153
Enl Salary	0	50	99	99	99	99	448	99
House Allow	0	5	5	5	5	5	27	5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	1	523	523	523	523	2,093	523
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-0	4,091	13,624	13,624	13,624	13,624	58,587	13,624
TOTAL SAVINGS	-0	9,350	13,624	13,624	13,624	13,624	63,846	13,624

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 3/15
Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	1,016	0	0	0	0	1,016
Civ Moving	0	10,421	0	0	0	0	10,421
Other	891	7,327	44	0	0	0	8,262
MIL PERSONNEL							
Mil Moving	0	13	0	0	0	0	13
OTHER							
HAP / RSE	0	488	0	0	0	0	488
Environmental	300	0	0	0	0	0	300
Info Manage	0	0	0	0	0	0	0
1-Time Other	6,769	-696	0	0	0	0	6,073
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	7,960	23,828	44	0	0	0	31,832

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	-612	-1,288	-1,288	-1,288	-1,288	-5,764	-1,288
BOS	0	2,870	-2,522	-2,522	-2,522	-2,522	-7,216	-2,522
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	-2,817	-5,633	-5,633	-5,633	-5,633	-25,351	-5,633
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	-126	-253	-253	-253	-253	-1,139	-253
House Allow	0	-5	-5	-5	-5	-5	-27	-5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	-1	-523	-523	-523	-523	-2,093	-523
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	-691	-10,224	-10,224	-10,224	-10,224	-41,589	-10,224
TOTAL NET COST	7,960	17,878	-10,180	-10,224	-10,224	-10,224	-15,016	-10,224

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	597	0	0	0	0	597
Civ Retire	0	236	0	0	0	0	236
CIV MOVING							
Per Diem	0	954	0	0	0	0	954
POV Miles	0	3	0	0	0	0	3
Home Purch	0	3,457	0	0	0	0	3,457
HHG	0	1,698	0	0	0	0	1,698
Misc	0	187	0	0	0	0	187
House Hunt	0	565	0	0	0	0	565
PPS	0	518	0	0	0	0	518
RITA	0	1,447	0	0	0	0	1,447
FREIGHT							
Packing	0	67	0	0	0	0	67
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	88	0	0	0	0	88
OTHER							
Program Plan	812	609	0	0	0	0	1,422
Shutdown	0	404	0	0	0	0	404
New Hires	0	0	0	0	0	0	0
1-Time Move	0	4,219	0	0	0	0	4,219
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	13	0	0	0	0	13
OTHER							
HAP / RSE	0	488	0	0	0	0	488
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	812	15,552	0	0	0	0	16,364

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	812	15,552	0	0	0	0	16,364	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	5,259	0	0	0	0	5,259
TOTAL ONE-TIME	0	5,259	0	0	0	0	5,259

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	526	1,108	1,108	1,108	1,108	4,958	1,108
BOS	0	394	5,431	5,431	5,431	5,431	22,119	5,431
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	1,586	3,172	3,172	3,172	3,172	14,275	3,172
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	77	153	153	153	153	691	153
Enl Salary	0	50	99	99	99	99	448	99
House Allow	0	5	5	5	5	5	27	5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	490	490	490	490	1,960	490
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	2,638	10,460	10,460	10,460	10,460	44,478	10,460
TOTAL SAVINGS	0	7,897	10,460	10,460	10,460	10,460	49,737	10,460

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	833	0	0	0	0	833
Civ Moving	0	8,897	0	0	0	0	8,897
Other	812	5,320	0	0	0	0	6,132
MIL PERSONNEL							
Mil Moving	0	13	0	0	0	0	13
OTHER							
HAP / RSE	0	488	0	0	0	0	488
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	-5,259	0	0	0	0	-5,259
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	812	10,293	0	0	0	0	11,105

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	-526	-1,108	-1,108	-1,108	-1,108	-4,958	-1,108
BOS	0	-394	-5,431	-5,431	-5,431	-5,431	-22,119	-5,431
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	-1,586	-3,172	-3,172	-3,172	-3,172	-14,275	-3,172
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	-126	-253	-253	-253	-253	-1,139	-253
House Allow	0	-5	-5	-5	-5	-5	-27	-5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	-490	-490	-490	-490	-1,960	-490
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	-2,638	-10,460	-10,460	-10,460	-10,460	-44,478	-10,460
TOTAL NET COST	812	7,654	-10,460	-10,460	-10,460	-10,460	-33,373	-10,460

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEWPORT, RI

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	300	0	0	0	0	0	300
Info Manage	0	0	0	0	0	0	0
1-Time Other	6,769	3,517	0	0	0	0	10,286
TOTAL ONE-TIME	7,069	3,517	0	0	0	0	10,586

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEWPORT, RI

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	3,393	3,393	3,393	3,393	3,393	16,967	3,393
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	3,393	3,393	3,393	3,393	3,393	16,967	3,393
TOTAL COSTS	7,069	6,910	3,393	3,393	3,393	3,393	27,553	3,393

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEWPORT, RI

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	300	0	0	0	0	0	300
Info Manage	0	0	0	0	0	0	0
1-Time Other	6,769	3,517	0	0	0	0	10,286
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	7,069	3,517	0	0	0	0	10,586

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	3,393	3,393	3,393	3,393	3,393	16,967	3,393
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	3,393	3,393	3,393	3,393	3,393	16,967	3,393
TOTAL NET COST	7,069	6,910	3,393	3,393	3,393	3,393	27,553	3,393

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: SUBASE NEW LONDON, CT

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: SUBASE NEW LONDON, CT

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	6	6	6	6	6	31	6
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	6	6	6	6	6	31	6
TOTAL COSTS	0	6	6	6	6	6	31	6

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: SUBASE NEW LONDON, CT

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	6	6	6	6	6	31	6
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	6	6	6	6	6	31	6
TOTAL NET COST	0	6	6	6	6	6	31	6

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	128	0	0	0	0	128
Civ Retire	0	54	0	0	0	0	54
CIV MOVING							
Per Diem	0	143	0	0	0	0	143
POV Miles	0	8	0	0	0	0	8
Home Purch	0	370	0	0	0	0	370
HHG	0	255	0	0	0	0	255
Misc	0	25	0	0	0	0	25
House Hunt	0	110	0	0	0	0	110
PPS	0	403	0	0	0	0	403
RITA	0	184	0	0	0	0	184
FREIGHT							
Packing	0	9	0	0	0	0	9
Freight	0	16	0	0	0	0	16
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	19	0	0	0	0	19
OTHER							
Program Plan	78	59	44	0	0	0	181
Shutdown	0	95	0	0	0	0	95
New Hires	0	0	0	0	0	0	0
1-Time Move	0	1,835	0	0	0	0	1,835
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	1,046	0	0	0	0	1,046
TOTAL ONE-TIME	78	4,759	44	0	0	0	4,882

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	78	4,759	44	0	0	0	4,882	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	-0	85	180	180	180	180	805	180
BOS	0	135	490	490	490	490	2,095	490
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	1,231	2,461	2,461	2,461	2,461	11,075	2,461
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	1	33	33	33	33	133	33
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-0	1,452	3,164	3,164	3,164	3,164	14,109	3,164
TOTAL SAVINGS	-0	1,452	3,164	3,164	3,164	3,164	14,109	3,164

Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	182	0	0	0	0	182
Civ Moving	0	1,524	0	0	0	0	1,524
Other	78	2,008	44	0	0	0	2,130
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	1,046	0	0	0	0	1,046
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	78	4,759	44	0	0	0	4,882

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	-85	-180	-180	-180	-180	-805	-180
BOS	0	-135	-490	-490	-490	-490	-2,095	-490
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	-1,231	-2,461	-2,461	-2,461	-2,461	-11,075	-2,461
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	-1	-33	-33	-33	-33	-133	-33
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	-1,452	-3,164	-3,164	-3,164	-3,164	-14,109	-3,164
TOTAL NET COST	78	3,307	-3,120	-3,164	-3,164	-3,164	-9,227	-3,164

PERSONNEL, SF, RPMA, AND BOS DELTAS (COBRA v5.08)
Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base	Personnel Change	Personnel %Change	SF Change	SF %Change	SF Chg/Per
NUWC NEW LONDON	-483	-100%	-323,000	-100%	669
NUWC NEWPORT	472	17%	0	0%	0
SUBASE NEW LONDON	3	0%	0	0%	0
NRL ORLANDO	-100	-100%	-76,000	-100%	760

Base	RPMA($) Change	RPMA($) %Change	RPMA($) Chg/Per	BOS($) Change	BOS($) %Change	BOS($) Chg/Per
NUWC NEW LONDON	-1,108,000	-100%	2,294	-5,431,236	-100%	11,245
NUWC NEWPORT	0	0%	0	3,393,341	9%	7,189
SUBASE NEW LONDON	0	0%	0	6,267	0%	2,089
NRL ORLANDO	-180,000	-100%	1,800	-490,000	-100%	4,900

Base	RPMABOS($) Change	RPMABOS($) %Change	RPMABOS($) Chg/Per
NUWC NEW LONDON	-6,539,236	-110%	13,539
NUWC NEWPORT	3,393,341	8%	7,189
SUBASE NEW LONDON	6,267	0%	2,089
NRL ORLANDO	-670,000	-100%	6,700

RPMA/BOS CHANGE REPORT (COBRA v5.08)
Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Net Change($K)	1996	1997	1998	1999	2000	2001	Total	Beyond
RPMA Change	0	-612	-1,288	-1,288	-1,288	-1,288	-5,764	-1,288
BOS Change	0	2,870	-2,522	-2,522	-2,522	-2,522	-7,216	-2,522
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	2,258	-3,810	-3,810	-3,810	-3,810	-12,980	-3,810

INPUT DATA REPORT (COBRA v5.08)
Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
NUWC NEW LONDON, CT	Realignment
NUWC NEWPORT, RI	Realignment
SUBASE NEW LONDON, CT	Realignment
NRL ORLANDO, FL	Deactivates in FY 1998

Summary:

CLOSE NUWC NEW LONDON. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT.
CLOSE NRL ORLANDO. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT.

COMBINED NUWC RUN TO ASSESS FULL COSTS OF NUWC CONSOLIDATION
USE BOS/RPMA COSTS FOR NUWC SHOWN IN NRLO.cbr (HIGHER BOS/RPMA)

FISHKIND SCENARIO

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
NUWC NEW LONDON, CT	NUWC NEWPORT, RI	55 mi
NUWC NEW LONDON, CT	SUBASE NEW LONDON, CT	7 mi
NUWC NEW LONDON, CT	NRL ORLANDO, FL	1,204 mi
NUWC NEWPORT, RI	NRL ORLANDO, FL	1,259 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NUWC NEW LONDON, CT to NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	417	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	6	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Transfers from NUWC NEW LONDON, CT to SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	3	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NRL ORLANDO, FL to NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	55	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	40	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NUWC NEW LONDON, CT

Total Officer Employees:	2	RPMA Non-Payroll ($K/Year):	1,108
Total Enlisted Employees:	10	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	11,345
Total Civilian Employees:	999	BOS Payroll ($K/Year):	5,660
Mil Families Living On Base:	52.0%	Family Housing ($K/Year):	35
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	323	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	256	Activity Code:	70024
Enlisted VHA ($/Month):	192		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	Yes
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Name: NUWC NEWPORT, RI

Total Officer Employees:	53	RPMA Non-Payroll ($K/Year):	4,770
Total Enlisted Employees:	83	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	37,532
Total Civilian Employees:	2,579	BOS Payroll ($K/Year):	16,011
Mil Families Living On Base:	68.0%	Family Housing ($K/Year):	77
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.20
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	2,212	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	300	Activity Code:	66604
Enlisted VHA ($/Month):	228		
Per Diem Rate ($/Day):	118	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Name: SUBASE NEW LONDON, CT

Total Officer Employees:	842	RPMA Non-Payroll ($K/Year):	7,882
Total Enlisted Employees:	7,211	Communications ($K/Year):	0
Total Student Employees:	205	BOS Non-Payroll ($K/Year):	36,013
Total Civilian Employees:	1,050	BOS Payroll ($K/Year):	38,939
Mil Families Living On Base:	52.0%	Family Housing ($K/Year):	1,001
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	2,856	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	256	Activity Code:	00129
Enlisted VHA ($/Month):	192		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NRL ORLANDO, FL

Total Officer Employees:	0	RPMA Non-Payroll ($K/Year):	180
Total Enlisted Employees:	0	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	490
Total Civilian Employees:	100	BOS Payroll ($K/Year):	295
Mil Families Living On Base:	0.0%	Family Housing ($K/Year):	0
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.80
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	76	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	155	Activity Code:	62190
Enlisted VHA ($/Month):	139		
Per Diem Rate ($/Day):	96	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	5,259	0	0	0	0
1-Time Moving Cost ($K):	0	4,219	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	490	490	490	490
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 323 Perc Family Housing ShutDown: 0.0%

Name: NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	6,769	3,517	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	300	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

(See final page for Explanatory Notes)

Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

Name: NRL ORLANDO, FL

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	1,046	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	1,835	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	1	33	33	33	33
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 76 Perc Family Housing ShutDown: 0.0%

(See final page for Explanatory Notes)

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	0	0	0	0	0
Enl Force Struc Change:	-7	0	0	0	0	0
Civ Force Struc Change:	-520	0	0	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	-2	0	0	0	0
Enl Scenario Change:	0	-3	0	0	0	0
Civ Scenario Change:	0	-58	0	0	0	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

Appendix E

Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	61	Optional Category A	( )	0
Waterfront	(LF)	10,350	Optional Category B	( )	0
Air Operations	(SF)	122	Optional Category C	( )	0
Operational	(SF)	111	Optional Category D	( )	0
Administrative	(SF)	123	Optional Category E	( )	0
School Buildings	(SF)	108	Optional Category F	( )	0
Maintenance Shops	(SF)	102	Optional Category G	( )	0
Bachelor Quarters	(SF)	96	Optional Category H	( )	0
Family Quarters	(EA)	78,750	Optional Category I	( )	0
Covered Storage	(SF)	94	Optional Category J	( )	0
Dining Facilities	(SF)	165	Optional Category K	( )	0
Recreation Facilities	(SF)	120	Optional Category L	( )	0
Communications Facil	(SF)	165	Optional Category M	( )	0
Shipyard Maintenance	(SF)	129	Optional Category N	( )	0
RDT & E Facilities	(SF)	160	Optional Category O	( )	0
POL Storage	(BL)	12	Optional Category P	( )	0
Ammunition Storage	(SF)	160	Optional Category Q	( )	0
Medical Facilities	(SF)	168	Optional Category R	( )	0
Environmental	( )	0			

EXPLANATORY NOTES (INPUT SCREEN NINE)

SCREEN 5-NEW LONDON: $5,259K - ESTIMATED COST AVOIDANCE FOR BRAC-91 ACTIONS.

SCREEN 5-NEW LONDON: $4,219K - UNIQUE MOVING COSTS FOR MISSION AND SUPPORT EQUIPMENT.

SCREEN 5-NEW LONDON: $490K - NET MISSION SAVINGS FOR REDUCED OFFICIAL TRAVEL EXPENSES.

SCREEN 5-NEWPORT: $6,769 - UNIQUE ONE TIME COSTS FOR REFURBISHMENT

SCREEN 5-NEWPORT: $300K IN ENVIRONMENTAL MITIGATION FOR EIS, PERMITS...

Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NRL ORLANDO, FL

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	0	0	0	0	0
Enl Force Struc Change:	0	0	0	0	0	0
Civ Force Struc Change:	0	0	0	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	-45	0	0	0	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	71.70%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	60.10%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	98.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	76,781.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,925.00	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	33,178.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,251.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	54,694.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	NAVY DBOF BRAC95	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	75.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	9.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	6.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	5.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	39.00%
Avg Bachelor Quarters(SF):	294.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1.00	Inflation Rate for NPV.RPT/ROI:	0.00%

APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00
HHG Per Off Family (Lb):	14,500.00	Mil Light Vehicle($/Mile):	0.31
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle($/Mile):	3.38
HHG Per Mil Single (Lb):	6,400.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.17
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	3,763.00
Air Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	4,527.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	1,403.00

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
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Department : NAVY
Option Package : NUWC NLON SPLIT
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Starting Year : 1996
Final Year : 1997
ROI Year : 1999 (2 Years)

NPV in 2015($K): -139,516
1-Time Cost($K): 21,467

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	-1,935	-5,782	-5,782	-5,782	-5,782	-25,065	-5,782
Overhd	822	910	-4,778	-4,845	-4,913	-4,980	-17,784	-5,055
Moving	0	11,641	0	0	0	0	11,641	0
Missio	0	0	-490	-490	-490	-490	-1,960	-490
Other	6,300	-4,770	0	0	0	0	1,530	0
TOTAL	7,122	5,846	-11,051	-11,118	-11,185	-11,252	-31,638	-11,328

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	2	0	0	0	0	2
Enl	0	3	0	0	0	0	3
Civ	0	201	0	0	0	0	201
TOT	0	206	0	0	0	0	206
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	278	0	0	0	0	278
TOT	0	278	0	0	0	0	278

Summary:

CLOSE NUWC NEW LONDON. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT AND NRL ORLANDO.

FISHKIND SCENARIO

Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
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Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	3,694	5,469	5,469	5,469	5,469	25,571	5,469
Overhd	822	2,842	1,761	1,694	1,626	1,559	10,304	1,484
Moving	0	11,641	0	0	0	0	11,641	0
Missio	0	0	0	0	0	0	0	0
Other	6,300	489	0	0	0	0	6,789	0
TOTAL	7,122	18,666	7,230	7,163	7,096	7,029	54,306	6,953

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	5,629	11,252	11,252	11,252	11,252	50,636	11,252
Overhd	0	1,932	6,539	6,539	6,539	6,539	28,089	6,539
Moving	0	0	0	0	0	0	0	0
Missio	0	0	490	490	490	490	1,960	490
Other	0	5,259	0	0	0	0	5,259	0
TOTAL	0	12,819	18,281	18,281	18,281	18,281	85,944	18,281

NET PRESENT VALUES REPORT (COBRA v5.08)
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Department : NAVY
Option Package : NUWC NLON SPLIT
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Year	Cost($)	Adjusted Cost($)	NPV($)
1996	7,122,320	7,026,363	7,026,363
1997	5,846,178	5,613,055	12,639,418
1998	-11,051,094	-10,326,442	2,312,976
1999	-11,118,160	-10,111,056	-7,798,080
2000	-11,185,301	-9,899,868	-17,697,949
2001	-11,252,517	-9,692,808	-27,390,757
2002	-11,327,821	-9,496,520	-36,887,277
2003	-11,327,821	-9,242,355	-46,129,632
2004	-11,327,821	-8,994,993	-55,124,625
2005	-11,327,821	-8,754,251	-63,878,876
2006	-11,327,821	-8,519,952	-72,398,829
2007	-11,327,821	-8,291,924	-80,690,753
2008	-11,327,821	-8,069,999	-88,760,753
2009	-11,327,821	-7,854,014	-96,614,767
2010	-11,327,821	-7,643,809	-104,258,576
2011	-11,327,821	-7,439,230	-111,697,807
2012	-11,327,821	-7,240,127	-118,937,934
2013	-11,327,821	-7,046,352	-125,984,286
2014	-11,327,821	-6,857,764	-132,842,050
2015	-11,327,821	-6,674,223	-139,516,273

TOTAL ONE-TIME COST REPORT (COBRA v5.08) - Page 1/5
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Department : NAVY
Option Package : NUWC NLON SPLIT
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(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	618,589	
Civilian Early Retirement	236,278	
Civilian New Hires	0	
Eliminated Military PCS	13,263	
Unemployment	90,828	
Total - Personnel		958,958
Overhead		
Program Planning Support	1,424,652	
Mothball / Shutdown	653,750	
Total - Overhead		2,078,402
Moving		
Civilian Moving	5,617,368	
Civilian PPS	1,756,800	
Military Moving	0	
Freight	47,495	
One-Time Moving Costs	4,219,000	
Total - Moving		11,640,662
Other		
HAP / RSE	489,274	
Environmental Mitigation Costs	300,000	
One-Time Unique Costs	6,000,000	
Total - Other		6,789,274
Total One-Time Costs		21,467,297
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	5,259,000	
Total One-Time Savings		5,259,000
Total Net One-Time Costs		16,208,297

ONE-TIME COST REPORT (COBRA v5.08) - Page 2/5
Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
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Base: NUWC NEW LONDON, CT
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	618,589	
Civilian Early Retirement	236,278	
Civilian New Hires	0	
Eliminated Military PCS	13,263	
Unemployment	90,828	
Total - Personnel		958,958
Overhead		
Program Planning Support	1,424,652	
Mothball / Shutdown	403,750	
Total - Overhead		1,828,402
Moving		
Civilian Moving	5,617,368	
Civilian PPS	1,756,800	
Military Moving	0	
Freight	47,495	
One-Time Moving Costs	4,219,000	
Total - Moving		11,640,662
Other		
HAP / RSE	489,274	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		489,274
Total One-Time Costs		14,917,297
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	5,259,000	
Total One-Time Savings		5,259,000
Total Net One-Time Costs		9,658,297

ONE-TIME COST REPORT (COBRA v5.08) - Page 3/5
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Department : NAVY
Option Package : NUWC NLON SPLIT
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Base: NUWC NEWPORT, RI
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	250,000	
Total - Overhead		250,000
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	300,000	
One-Time Unique Costs	4,000,000	
Total - Other		4,300,000
Total One-Time Costs		4,550,000
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		4,550,000

ONE-TIME COST REPORT (COBRA v5.08) - Page 4/5
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Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
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Base: SUBASE NEW LONDON, CT
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		0
Total One-Time Costs		0
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		0

ONE-TIME COST REPORT (COBRA v5.08) - Page 5/5
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Department : NAVY
Option Package : NUWC NLON SPLIT
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Base: NRL ORLANDO, FL
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	2,000,000	
Total - Other		2,000,000
Total One-Time Costs		2,000,000
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		2,000,000

TOTAL MILITARY CONSTRUCTION ASSETS (COBRA v5.08) - Page 1/5
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Department : NAVY
Option Package : NUWC NLON SPLIT
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All Costs in $K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
NUWC NEW LONDON	0	0	0	0	0
NUWC NEWPORT	0	0	0	0	0
SUBASE NEW LONDON	0	0	0	0	0
NRL ORLANDO	0	0	0	0	0
Totals:	0	0	0	0	0

PERSONNEL SUMMARY REPORT (COBRA v5.08)
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Department : NAVY
Option Package : NUWC NLON SPLIT
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PERSONNEL SUMMARY FOR: NUWC NEW LONDON, CT

BASE POPULATION (FY 1996):

Officers	Enlisted	Students	Civilians
2	10	0	999

FORCE STRUCTURE CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	-7	0	0	0	0	0	-7
Students	0	0	0	0	0	0	0
Civilians	-520	0	0	0	0	0	-520
TOTAL	-527	0	0	0	0	0	-527

BASE POPULATION (Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
2	3	0	479

PERSONNEL REALIGNMENTS:
To Base: NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	210	0	0	0	0	210
TOTAL	0	210	0	0	0	0	210

To Base: SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	3	0	0	0	0	3
TOTAL	0	3	0	0	0	0	3

To Base: NRL ORLANDO, FL

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	65	0	0	0	0	65
TOTAL	0	65	0	0	0	0	65

TOTAL PERSONNEL REALIGNMENTS (Out of NUWC NEW LONDON, CT):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	278	0	0	0	0	278
TOTAL	0	278	0	0	0	0	278

SCENARIO POSITION CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	-2	0	0	0	0	-2
Enlisted	0	-3	0	0	0	0	-3
Civilians	0	-201	0	0	0	0	-201
TOTAL	0	-206	0	0	0	0	-206

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Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
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BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	0

PERSONNEL SUMMARY FOR: NUWC NEWPORT, RI

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
53	83	0	2,579

PERSONNEL REALIGNMENTS:
From Base: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	210	0	0	0	0	210
TOTAL	0	210	0	0	0	0	210

TOTAL PERSONNEL REALIGNMENTS (Into NUWC NEWPORT, RI):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	210	0	0	0	0	210
TOTAL	0	210	0	0	0	0	210

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
53	83	0	2,789

PERSONNEL SUMMARY FOR: SUBASE NEW LONDON, CT

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
842	7,211	205	1,050

PERSONNEL REALIGNMENTS:
From Base: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	3	0	0	0	0	3
TOTAL	0	3	0	0	0	0	3

TOTAL PERSONNEL REALIGNMENTS (Into SUBASE NEW LONDON, CT):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	3	0	0	0	0	3
TOTAL	0	3	0	0	0	0	3

PERSONNEL SUMMARY REPORT (COBRA v5.08) - Page 3
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Department : NAVY
Option Package : NUWC NLON SPLIT
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BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
842	7,211	205	1,053

PERSONNEL SUMMARY FOR: NRL ORLANDO, FL

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	100

PERSONNEL REALIGNMENTS:
From Base: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	65	0	0	0	0	65
TOTAL	0	65	0	0	0	0	65

TOTAL PERSONNEL REALIGNMENTS (Into NRL ORLANDO, FL):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	65	0	0	0	0	65
TOTAL	0	65	0	0	0	0	65

SCENARIO POSITION CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Civilians	0	100	0	0	0	0	100
TOTAL	0	100	0	0	0	0	100

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	265

TOTAL PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 1/5
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Department : NAVY
Option Package : NUWC NLON SPLIT
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	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	278	0	0	0	0	278
Early Retirement*	10.00%	0	28	0	0	0	0	28
Regular Retirement*	5.00%	0	14	0	0	0	0	14
Civilian Turnover*	15.00%	0	42	0	0	0	0	42
Civs Not Moving (RIFs)*+		0	17	0	0	0	0	17
Civilians Moving (the remainder)		0	177	0	0	0	0	177
Civilian Positions Available		0	101	0	0	0	0	101
CIVILIAN POSITIONS ELIMINATED		0	201	0	0	0	0	201
Early Retirement	10.00%	0	20	0	0	0	0	20
Regular Retirement	5.00%	0	10	0	0	0	0	10
Civilian Turnover	15.00%	0	30	0	0	0	0	30
Civs Not Moving (RIFs)*+		0	12	0	0	0	0	12
Priority Placement#	60.00%	0	121	0	0	0	0	121
Civilians Available to Move		0	8	0	0	0	0	8
Civilians Moving		0	8	0	0	0	0	8
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	278	0	0	0	0	278
Civilians Moving		0	185	0	0	0	0	185
New Civilians Hired		0	93	0	0	0	0	93
Other Civilian Additions		0	100	0	0	0	0	100
TOTAL CIVILIAN EARLY RETIRMENTS		0	48	0	0	0	0	48
TOTAL CIVILIAN RIFS		0	29	0	0	0	0	29
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	121	0	0	0	0	121
TOTAL CIVILIAN NEW HIRES		0	193	0	0	0	0	193

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

+ The Percentage of Civilians Not Willing to Move (Voluntary RIFs) varies from base to base.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

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Department : NAVY
Option Package : NUWC NLON SPLIT
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Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	278	0	0	0	0	278
Early Retirement*	10.00%	0	28	0	0	0	0	28
Regular Retirement*	5.00%	0	14	0	0	0	0	14
Civilian Turnover*	15.00%	0	42	0	0	0	0	42
Civs Not Moving (RIFs)*	6.00%	0	17	0	0	0	0	17
Civilians Moving (the remainder)		0	177	0	0	0	0	177
Civilian Positions Available		0	101	0	0	0	0	101
CIVILIAN POSITIONS ELIMINATED		0	201	0	0	0	0	201
Early Retirement	10.00%	0	20	0	0	0	0	20
Regular Retirement	5.00%	0	10	0	0	0	0	10
Civilian Turnover	15.00%	0	30	0	0	0	0	30
Civs Not Moving (RIFs)*	6.00%	0	12	0	0	0	0	12
Priority Placement#	60.00%	0	121	0	0	0	0	121
Civilians Available to Move		0	8	0	0	0	0	8
Civilians Moving		0	8	0	0	0	0	8
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	48	0	0	0	0	48
TOTAL CIVILIAN RIFS		0	29	0	0	0	0	29
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	121	0	0	0	0	121
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEWPORT, RI	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	210	0	0	0	0	210
Civilians Moving		0	141	0	0	0	0	141
New Civilians Hired		0	69	0	0	0	0	69
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	69	0	0	0	0	69

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: SUBASE NEW LONDON, CT	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	3	0	0	0	0	3
Civilians Moving		0	3	0	0	0	0	3
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	65	0	0	0	0	65
Civilians Moving		0	41	0	0	0	0	41
New Civilians Hired		0	24	0	0	0	0	24
Other Civilian Additions		0	100	0	0	0	0	100
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	124	0	0	0	0	124

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

PERSONNEL YEARLY PERCENTAGES (COBRA v5.08) - Page 1/2
Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT

	Pers Moved In		MilCon	Pers Moved Out/Eliminated		ShutDn
Year	Total	Percent	TimePhase	Total	Percent	TimePhase
1996	0	0.00%	100.00%	0	0.00%	0.00%
1997	0	0.00%	0.00%	484	100.00%	100.00%
1998	0	0.00%	0.00%	0	0.00%	0.00%
1999	0	0.00%	0.00%	0	0.00%	0.00%
2000	0	0.00%	0.00%	0	0.00%	0.00%
2001	0	0.00%	0.00%	0	0.00%	0.00%
TOTALS	0	0.00%	100.00%	484	100.00%	100.00%

Base: NUWC NEWPORT, RI

	Pers Moved In		MilCon	Pers Moved Out/Eliminated		ShutDn
Year	Total	Percent	TimePhase	Total	Percent	TimePhase
1996	0	0.00%	100.00%	0	0.00%	16.67%
1997	210	100.00%	0.00%	0	0.00%	16.67%
1998	0	0.00%	0.00%	0	0.00%	16.67%
1999	0	0.00%	0.00%	0	0.00%	16.67%
2000	0	0.00%	0.00%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	210	100.00%	100.00%	0	0.00%	100.00%

Base: SUBASE NEW LONDON, CT

	Pers Moved In		MilCon	Pers Moved Out/Eliminated		ShutDn
Year	Total	Percent	TimePhase	Total	Percent	TimePhase
1996	0	0.00%	100.00%	0	0.00%	16.67%
1997	3	100.00%	0.00%	0	0.00%	16.67%
1998	0	0.00%	0.00%	0	0.00%	16.67%
1999	0	0.00%	0.00%	0	0.00%	16.67%
2000	0	0.00%	0.00%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	3	100.00%	100.00%	0	0.00%	100.00%

PERSONNEL YEARLY PERCENTAGES (COBRA v5.08) - Page 2/2
Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL

	Pers Moved In		MilCon	Pers Moved Out/Eliminated		ShutDn
Year	Total	Percent	TimePhase	Total	Percent	TimePhase
1996	0	0.00%	100.00%	0	0.00%	16.67%
1997	165	100.00%	0.00%	0	0.00%	16.67%
1998	0	0.00%	0.00%	0	0.00%	16.67%
1999	0	0.00%	0.00%	0	0.00%	16.67%
2000	0	0.00%	0.00%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	165	100.00%	100.00%	0	0.00%	100.00%

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 1/15
Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	0	618	0	0	0	0	618
Civ Retire	0	236	0	0	0	0	236
CIV MOVING							
Per Diem	0	633	0	0	0	0	633
POV Miles	0	10	0	0	0	0	10
Home Purch	0	2,288	0	0	0	0	2,288
HHG	0	1,182	0	0	0	0	1,182
Misc	0	127	0	0	0	0	127
House Hunt	0	406	0	0	0	0	406
PPS	0	1,757	0	0	0	0	1,757
RITA	0	970	0	0	0	0	970
FREIGHT							
Packing	0	46	0	0	0	0	46
Freight	0	1	0	0	0	0	1
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	91	0	0	0	0	91
OTHER							
Program Plan	814	610	0	0	0	0	1,425
Shutdown	42	445	42	42	42	42	654
New Hire	0	0	0	0	0	0	0
1-Time Move	0	4,219	0	0	0	0	4,219
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	13	0	0	0	0	13
OTHER							
HAP / RSE	0	489	0	0	0	0	489
Environmental	300	0	0	0	0	0	300
Info Manage	0	0	0	0	0	0	0
1-Time Other	6,000	0	0	0	0	0	6,000
TOTAL ONE-TIME	7,156	14,145	42	42	42	42	21,467

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	-33	-100	-167	-234	-301	-369	-1,206	-402
BOS	0	1,886	1,886	1,886	1,886	1,886	9,432	1,886
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	2,735	5,469	5,469	5,469	5,469	24,612	5,469
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-33	4,521	7,188	7,121	7,054	6,987	32,838	6,953
TOTAL COST	7,122	18,666	7,230	7,163	7,096	7,029	54,306	6,953

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	5,259	0	0	0	0	5,259
TOTAL ONE-TIME	0	5,259	0	0	0	0	5,259

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	526	1,108	1,108	1,108	1,108	4,958	1,108
BOS	0	1,405	5,431	5,431	5,431	5,431	23,130	5,431
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	5,497	10,993	10,993	10,993	10,993	49,471	10,993
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	77	153	153	153	153	691	153
Enl Salary	0	50	99	99	99	99	448	99
House Allow	0	5	5	5	5	5	27	5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	490	490	490	490	1,960	490
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	7,560	18,281	18,281	18,281	18,281	80,685	18,281
TOTAL SAVINGS	0	12,819	18,281	18,281	18,281	18,281	85,944	18,281

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	855	0	0	0	0	855
Civ Moving	0	7,422	0	0	0	0	7,422
Other	856	5,366	42	42	42	42	6,388
MIL PERSONNEL							
Mil Moving	0	13	0	0	0	0	13
OTHER							
HAP / RSE	0	489	0	0	0	0	489
Environmental	300	0	0	0	0	0	300
Info Manage	0	0	0	0	0	0	0
1-Time Other	6,000	-5,259	0	0	0	0	741
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	7,156	14,145	42	42	42	42	21,467

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	-33	-627	-1,275	-1,342	-1,409	-1,477	-6,164	-1,510
BOS	0	481	-3,545	-3,545	-3,545	-3,545	-13,698	-3,545
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	-2,762	-5,524	-5,524	-5,524	-5,524	-24,858	-5,524
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	-126	-253	-253	-253	-253	-1,139	-253
House Allow	0	-5	-5	-5	-5	-5	-27	-5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	-490	-490	-490	-490	-1,960	-490
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-33	-3,040	-11,093	-11,160	-11,227	-11,294	-47,847	-11,328
TOTAL NET COST	7,122	5,846	-11,051	-11,118	-11,185	-11,252	-31,638	-11,328

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	618	0	0	0	0	618
Civ Retire	0	236	0	0	0	0	236
CIV MOVING							
Per Diem	0	633	0	0	0	0	633
POV Miles	0	10	0	0	0	0	10
Home Purch	0	2,288	0	0	0	0	2,288
HHG	0	1,182	0	0	0	0	1,182
Misc	0	127	0	0	0	0	127
House Hunt	0	406	0	0	0	0	406
PPS	0	1,757	0	0	0	0	1,757
RITA	0	970	0	0	0	0	970
FREIGHT							
Packing	0	46	0	0	0	0	46
Freight	0	1	0	0	0	0	1
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	91	0	0	0	0	91
OTHER							
Program Plan	814	610	0	0	0	0	1,425
Shutdown	0	404	0	0	0	0	404
New Hires	0	0	0	0	0	0	0
1-Time Move	0	4,219	0	0	0	0	4,219
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	13	0	0	0	0	13
OTHER							
HAP / RSE	0	489	0	0	0	0	489
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	814	14,103	0	0	0	0	14,917

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	814	14,103	0	0	0	0	14,917	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	5,259	0	0	0	0	5,259
TOTAL ONE-TIME	0	5,259	0	0	0	0	5,259

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	526	1,108	1,108	1,108	1,108	4,958	1,108
BOS	0	1,405	5,431	5,431	5,431	5,431	23,130	5,431
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	5,497	10,993	10,993	10,993	10,993	49,471	10,993
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	77	153	153	153	153	691	153
Enl Salary	0	50	99	99	99	99	448	99
House Allow	0	5	5	5	5	5	27	5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	490	490	490	490	1,960	490
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	7,560	18,281	18,281	18,281	18,281	80,685	18,281
TOTAL SAVINGS	0	12,819	18,281	18,281	18,281	18,281	85,944	18,281

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	855	0	0	0	0	855
Civ Moving	0	7,422	0	0	0	0	7,422
Other	814	5,324	0	0	0	0	6,138
MIL PERSONNEL							
Mil Moving	0	13	0	0	0	0	13
OTHER							
HAP / RSE	0	489	0	0	0	0	489
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	-5,259	0	0	0	0	-5,259
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	814	8,844	0	0	0	0	9,658

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	-526	-1,108	-1,108	-1,108	-1,108	-4,958	-1,108
BOS	0	-1,405	-5,431	-5,431	-5,431	-5,431	-23,130	-5,431
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	-5,497	-10,993	-10,993	-10,993	-10,993	-49,471	-10,993
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	-126	-253	-253	-253	-253	-1,139	-253
House Allow	0	-5	-5	-5	-5	-5	-27	-5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	-490	-490	-490	-490	-1,960	-490
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	-7,560	-18,281	-18,281	-18,281	-18,281	-80,685	-18,281
TOTAL NET COST	814	1,284	-18,281	-18,281	-18,281	-18,281	-71,027	-18,281

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 7/15
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Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEWPORT, RI

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	42	42	42	42	42	42	250
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	300	0	0	0	0	0	300
Info Manage	0	0	0	0	0	0	0
1-Time Other	4,000	0	0	0	0	0	4,000
TOTAL ONE-TIME	4,342	42	42	42	42	42	4,550

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEWPORT, RI

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	-33	-100	-167	-234	-301	-369	-1,206	-402
BOS	0	1,541	1,541	1,541	1,541	1,541	7,704	1,541
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-33	1,440	1,373	1,306	1,239	1,172	6,498	1,138
TOTAL COSTS	4,308	1,482	1,415	1,348	1,281	1,214	11,048	1,138

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

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Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEWPORT, RI

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	42	42	42	42	42	42	250
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	300	0	0	0	0	0	300
Info Manage	0	0	0	0	0	0	0
1-Time Other	4,000	0	0	0	0	0	4,000
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	4,342	42	42	42	42	42	4,550

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	-33	-100	-167	-234	-301	-369	-1,206	-402
BOS	0	1,541	1,541	1,541	1,541	1,541	7,704	1,541
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-33	1,440	1,373	1,306	1,239	1,172	6,498	1,138
TOTAL NET COST	4,308	1,482	1,415	1,348	1,281	1,214	11,048	1,138

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: SUBASE NEW LONDON, CT

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: SUBASE NEW LONDON, CT

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	6	6	6	6	6	31	6
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	6	6	6	6	6	31	6
TOTAL COSTS	0	6	6	6	6	6	31	6

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
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Base: SUBASE NEW LONDON, CT

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	6	6	6	6	6	31	6
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	6	6	6	6	6	31	6
TOTAL NET COST	0	6	6	6	6	6	31	6

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Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	2,000	0	0	0	0	0	2,000
TOTAL ONE-TIME	2,000	0	0	0	0	0	2,000

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	339	339	339	339	339	1,697	339
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	2,735	5,469	5,469	5,469	5,469	24,612	5,469
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	3,074	5,809	5,809	5,809	5,809	26,309	5,809
TOTAL COSTS	2,000	3,074	5,809	5,809	5,809	5,809	28,309	5,809

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	2,000	0	0	0	0	0	2,000
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	2,000	0	0	0	0	0	2,000

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	339	339	339	339	339	1,697	339
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	2,735	5,469	5,469	5,469	5,469	24,612	5,469
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	3,074	5,809	5,809	5,809	5,809	26,309	5,809
TOTAL NET COST	2,000	3,074	5,809	5,809	5,809	5,809	28,309	5,809

PERSONNEL, SF, RPMA, AND BOS DELTAS (COBRA v5.08)
Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

	Personnel		SF		
Base	Change	%Change	Change	%Change	Chg/Per
NUWC NEW LONDON	-484	-100%	-323,000	-100%	667
NUWC NEWPORT	210	8%	-200,000	-9%	-952
SUBASE NEW LONDON	3	0%	0	0%	0
NRL ORLANDO	165	165%	0	0%	0

	RPMA($)			BOS($)		
Base	Change	%Change	Chg/Per	Change	%Change	Chg/Per
NUWC NEW LONDON	-1,108,000	-100%	2,289	-5,431,236	-100%	11,221
NUWC NEWPORT	-402,406	-8%	-1,916	1,540,749	4%	7,337
SUBASE NEW LONDON	0	0%	0	6,267	0%	2,089
NRL ORLANDO	0	0%	0	339,371	69%	2,057

	RPMABOS($)		
Base	Change	%Change	Chg/Per
NUWC NEW LONDON	-6,539,236	-110%	13,511
NUWC NEWPORT	1,138,343	3%	5,421
SUBASE NEW LONDON	6,267	0%	2,089
NRL ORLANDO	339,371	51%	2,057

RPMA/BOS CHANGE REPORT (COBRA v5.08)
Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Net Change($K)	1996	1997	1998	1999	2000	2001	Total	Beyond
RPMA Change	-33	-627	-1,275	-1,342	-1,409	-1,477	-6,164	-1,510
BOS Change	0	481	-3,545	-3,545	-3,545	-3,545	-13,698	-3,545
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	-33	-146	-4,820	-4,887	-4,954	-5,022	-19,863	-5,055

INPUT DATA REPORT (COBRA v5.08)
Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
NUWC NEW LONDON, CT	Deactivates in FY 1997
NUWC NEWPORT, RI	Realignment
SUBASE NEW LONDON, CT	Realignment
NRL ORLANDO, FL	Realignment

Summary:

CLOSE NUWC NEW LONDON. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT AND NRL ORLANDO.

FISHKIND SCENARIO

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
NUWC NEW LONDON, CT	NUWC NEWPORT, RI	55 mi
NUWC NEW LONDON, CT	SUBASE NEW LONDON, CT	7 mi
NUWC NEW LONDON, CT	NRL ORLANDO, FL	1,204 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NUWC NEW LONDON, CT to NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	210	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	6	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Transfers from NUWC NEW LONDON, CT to SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	3	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NUWC NEW LONDON, CT to NRL ORLANDO, FL

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	65	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NUWC NEW LONDON, CT

Total Officer Employees:	2	RPMA Non-Payroll ($K/Year):	1,108
Total Enlisted Employees:	10	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	11,345
Total Civilian Employees:	999	BOS Payroll ($K/Year):	5,660
Mil Families Living On Base:	52.0%	Family Housing ($K/Year):	35
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	323	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	256	Activity Code:	70024
Enlisted VHA ($/Month):	192		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	Yes
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Name: NUWC NEWPORT, RI

Total Officer Employees:	53	RPMA Non-Payroll ($K/Year):	4,770
Total Enlisted Employees:	83	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	37,532
Total Civilian Employees:	2,579	BOS Payroll ($K/Year):	16,011
Mil Families Living On Base:	68.0%	Family Housing ($K/Year):	77
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.20
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	2,212	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	300	Activity Code:	66604
Enlisted VHA ($/Month):	228		
Per Diem Rate ($/Day):	118	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Name: SUBASE NEW LONDON, CT

Total Officer Employees:	842	RPMA Non-Payroll ($K/Year):	7,882
Total Enlisted Employees:	7,211	Communications ($K/Year):	0
Total Student Employees:	205	BOS Non-Payroll ($K/Year):	36,013
Total Civilian Employees:	1,050	BOS Payroll ($K/Year):	38,939
Mil Families Living On Base:	52.0%	Family Housing ($K/Year):	1,001
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	2,856	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	256	Activity Code:	00129
Enlisted VHA ($/Month):	192		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NRL ORLANDO, FL

Total Officer Employees:	0	RPMA Non-Payroll ($K/Year):	180
Total Enlisted Employees:	0	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	490
Total Civilian Employees:	100	BOS Payroll ($K/Year):	295
Mil Families Living On Base:	0.0%	Family Housing ($K/Year):	0
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.80
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	76	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	155	Activity Code:	62190
Enlisted VHA ($/Month):	139		
Per Diem Rate ($/Day):	96	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	5,259	0	0	0	0
1-Time Moving Cost ($K):	0	4,219	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	490	490	490	490
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 323 Perc Family Housing ShutDown: 0.0%

Name: NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	4,000	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	300	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 200 Perc Family Housing ShutDown: 0.0%

(See final page for Explanatory Notes)

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

Name: NRL ORLANDO, FL

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	2,000	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

(See final page for Explanatory Notes)

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	0	0	0	0	0
Enl Force Struc Change:	-7	0	0	0	0	0
Civ Force Struc Change:	-520	0	0	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	-2	0	0	0	0
Enl Scenario Change:	0	-3	0	0	0	0
Civ Scenario Change:	0	-201	0	0	0	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NRL ORLANDO, FL

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	0	0	0	0	0
Enl Force Struc Change:	0	0	0	0	0	0
Civ Force Struc Change:	0	0	0	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	100	0	0	0	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	71.70%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	60.10%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	98.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	76,781.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,925.00	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	33,178.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,251.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	54,694.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	NAVY DBOF BRAC95	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	75.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	9.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	6.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	5.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	39.00%
Avg Bachelor Quarters(SF):	294.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1.00	Inflation Rate for NPV.RPT/ROI:	0.00%

APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00
HHG Per Off Family (Lb):	14,500.00	Mil Light Vehicle($/Mile):	0.31
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle($/Mile):	3.38
HHG Per Mil Single (Lb):	6,400.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.17
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	3,763.00
Air Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	4,527.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	1,403.00

Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY
Option Package : NUWC NLON SPLIT
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	61	Optional Category A	( )	0
Waterfront	(LF)	10,350	Optional Category B	( )	0
Air Operations	(SF)	122	Optional Category C	( )	0
Operational	(SF)	111	Optional Category D	( )	0
Administrative	(SF)	123	Optional Category E	( )	0
School Buildings	(SF)	108	Optional Category F	( )	0
Maintenance Shops	(SF)	102	Optional Category G	( )	0
Bachelor Quarters	(SF)	96	Optional Category H	( )	0
Family Quarters	(EA)	78,750	Optional Category I	( )	0
Covered Storage	(SF)	94	Optional Category J	( )	0
Dining Facilities	(SF)	165	Optional Category K	( )	0
Recreation Facilities	(SF)	120	Optional Category L	( )	0
Communications Facil	(SF)	165	Optional Category M	( )	0
Shipyard Maintenance	(SF)	129	Optional Category N	( )	0
RDT & E Facilities	(SF)	160	Optional Category O	( )	0
POL Storage	(BL)	12	Optional Category P	( )	0
Ammunition Storage	(SF)	160	Optional Category Q	( )	0
Medical Facilities	(SF)	168	Optional Category R	( )	0
Environmental	( )	0			

EXPLANATORY NOTES (INPUT SCREEN NINE)

SCREEN 5-NEW LONDON: $5,259K - ESTIMATED COST AVOIDANCE FOR BRAC-91

ACTIONS.

SCREEN 5-NEW LONDON: $4,219K - UNIQUE MOVING COSTS FOR MISSION AND

SUPPORT EQUIPMENT.

SCREEN 5-NEW LONDON: $490K - NET MISSION SAVINGS FOR REDUCED OFFICIAL

TRAVEL EXPENSES.

SCREEN 5-NEWPORT: $6,769 - UNIQUE ONE TIME COSTS FOR REFURBISHMENT

SCREEN 5-NEWPORT: $300K IN ENVIRONMENTAL MITIGATION FOR EIS, PERMITS...

COMMUNITY

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

SUBMITTED

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Starting Year : 1996
Final Year : 1996
ROI Year : Immediate

NPV in 2015($K): -103,308
1-Time Cost($K): 8,125

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	-48,095	-22,085	-22,085	-22,085	-22,085	0	-136,435	0
Person	0	0	0	0	0	0	0	0
Overhd	0	0	0	2,000	2,125	2,000	6,125	2,000
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	839	839	839	2,517	839
Other	-5,025	-4,371	-406	-230	-371	-80	-10,483	0
TOTAL	-53,120	-26,456	-22,491	-19,476	-19,492	2,759	-138,276	2,839

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0

Summary:

RETAIN Nav[illegible] Nuclear Power School and NUCFLDASCOL ORLANDO

Do not sp[illegible]
Assumes $[illegible]
annually.

NPSORL.cb[illegible]

ORIG ORLAN.

COMM. COBRA

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 2/2
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	8,000	0	0	0	0	0	8,000	0
Person	0	0	0	0	0	0	0	0
Overhd	0	0	0	2,000	2,125	2,000	6,125	2,000
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	839	839	839	2,517	839
Other	0	0	0	0	0	0	0	0
TOTAL	8,000	0	0	2,839	2,964	2,839	16,642	2,839

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	56,095	22,085	22,085	22,085	22,085	0	144,435	0
Person	0	0	0	0	0	0	0	0
Overhd	0	0	0	0	0	0	0	0
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	5,025	4,371	406	230	371	80	10,483	0
TOTAL	61,120	26,456	22,491	22,315	22,456	80	154,918	0

NET PRESENT VALUES REPORT (COBRA v5.08)
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Year	Cost($)	Adjusted Cost($)	NPV($)
1996	-53,120,000	-52,404,327	-52,404,327
1997	-26,456,000	-25,401,036	-77,805,364
1998	-22,491,000	-21,016,200	-98,821,563
1999	-19,476,000	-17,711,827	-116,533,390
2000	-19,492,000	-17,251,949	-133,785,339
2001	2,759,000	2,376,575	-131,408,764
2002	2,839,000	2,380,036	-129,028,728
2003	2,839,000	2,316,336	-126,712,391
2004	2,839,000	2,254,342	-124,458,049
2005	2,839,000	2,194,007	-122,264,042
2006	2,839,000	2,135,286	-120,128,756
2007	2,839,000	2,078,138	-118,050,618
2008	2,839,000	2,022,518	-116,028,099
2009	2,839,000	1,968,388	-114,059,711
2010	2,839,000	1,915,706	-112,144,005
2011	2,839,000	1,864,434	-110,279,571
2012	2,839,000	1,814,534	-108,465,037
2013	2,839,000	1,765,970	-106,699,067
2014	2,839,000	1,718,706	-104,980,361
2015	2,839,000	1,672,706	-103,307,655

TOTAL ONE-TIME COST REPORT (COBRA v5.08) - Page 1/4
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	8,000,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		8,000,000
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	125,000	
Total - Overhead		125,000
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		0
Total One-Time Costs		8,125,000
One-Time Savings		
Military Construction Cost Avoidances	144,435,000	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	10,483,000	
Total One-Time Savings		154,918,000
Total Net One-Time Costs		-146,793,000

ONE-TIME COST REPORT (COBRA v5.08) - Page 2/4
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: SUBASE NEW LONDON, CT
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		0
Total One-Time Costs		0
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		0

ONE-TIME COST REPORT (COBRA v5.08) - Page 3/4
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: WPNSTA CHARLESTON, SC
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		0
Total One-Time Costs		0
One-Time Savings		
Military Construction Cost Avoidances	144,435,000	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		144,435,000
Total Net One-Time Costs		-144,435,000

ONE-TIME COST REPORT (COBRA v5.08) - Page 4/4
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: NPS ORLANDO, FL
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	8,000,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		8,000,000
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	125,000	
Total - Overhead		125,000
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		0
Total One-Time Costs		8,125,000
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	10,483,000	
Total One-Time Savings		10,483,000
Total Net One-Time Costs		-2,358,000

TOTAL MILITARY CONSTRUCTION ASSETS (COBRA v5.08) - Page 1/4
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

All Costs in $K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
SUBASE NEW LONDON	0	0	0	0	0
WPNSTA CHARLESTON	0	0	0	-144,435	-144,435
NPS ORLANDO	8,000	0	0	0	8,000
Totals:	8,000	0	0	-144,435	-136,435

MILITARY CONSTRUCTION ASSETS (COBRA v5.08) - Page 2/4
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

MilCon for Base: WPNSTA CHARLESTON, SC

All Costs in $K

Description:	MilCon Categ	Using Rehab	Rehab Cost*	New MilCon	New Cost*	Total Cost*

Total Construction Cost:	0
+ Info Management Account:	0
+ Land Purchases:	0
- Construction Cost Avoid:	144,435
TOTAL:	-144,435

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

MilCon for Base: NPS ORLANDO, FL

All Costs in $K

Description:	MilCon Categ	Using Rehab	Rehab Cost*	New MilCon	New Cost*	Total Cost*
	OTHER	0	n/a	0	n/a	8,000
BEQ MAINT & OTH BLDGS						

Total Construction Cost:	8,000
+ Info Management Account:	0
+ Land Purchases:	0
- Construction Cost Avoid:	0
TOTAL:	8,000

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

PERSONNEL SUMMARY REPORT (COBRA v5.08)
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

PERSONNEL SUMMARY FOR: SUBASE NEW LONDON, CT

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
859	7,419	2,164	1,015

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
859	7,419	2,164	1,015

PERSONNEL SUMMARY FOR: WPNSTA CHARLESTON, SC

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
145	1,695	67	727

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
145	1,695	67	727

PERSONNEL SUMMARY FOR: NPS ORLANDO, FL

BASE POPULATION (FY 1996):

Officers	Enlisted	Students	Civilians
149	365	2,266	194

FORCE STRUCTURE CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	0	0	-70	0	0	-70
TOTAL	0	0	0	-70	0	0	-70

BASE POPULATION (Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
149	365	2,266	124

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
149	365	2,266	124

TOTAL PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 1/4
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OH.SFF

	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*+		0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*+		0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

+ The Percentage of Civilians Not Willing to Move (Voluntary RIFs) varies from base to base.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 2/4
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: SUBASE NEW LONDON, CT	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 3/4
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: WPNSTA CHARLESTON, SC	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 4/4
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: NPS ORLANDO, FL	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	0.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	0.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 1/12
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	8,000	0	0	0	0	0	8,000
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	125	0	125
New Hire	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	8,000	0	0	0	125	0	8,125

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 2/12
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	839	839	839	2,517	839
Misc Recur	0	0	0	2,000	2,000	2,000	6,000	2,000
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	2,839	2,839	2,839	8,517	2,839
TOTAL COST	8,000	0	0	2,839	2,964	2,839	16,642	2,839

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	56,095	22,085	22,085	22,085	22,085	0	144,435
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	5,025	4,371	406	230	371	80	10,483
TOTAL ONE-TIME	61,120	26,456	22,491	22,315	22,456	80	154,918

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	61,120	26,456	22,491	22,315	22,456	80	154,918	0

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 3/12
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	-48,095	-22,085	-22,085	-22,085	-22,085	0	-136,435
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	125	0	125
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	-5,025	-4,371	-406	-230	-371	-80	-10,483
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	-48,095	-22,085	-22,085	-22,085	-21,960	0	-136,310

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	839	839	839	2,517	839
Misc Recur	0	0	0	2,000	2,000	2,000	6,000	2,000
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	2,839	2,839	2,839	8,517	2,839
TOTAL NET COST	-53,120	-26,456	-22,491	-19,476	-19,492	2,759	-138,276	2,839

Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: SUBASE NEW LONDON, CT

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: SUBASE NEW LONDON, CT

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	0	0	0	0	0	0	0	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: SUBASE NEW LONDON, CT

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
MAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL NET COST	0	0	0	0	0	0	0	0

Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: WPNSTA CHARLESTON, SC

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: WPNSTA CHARLESTON, SC

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	0	0	0	0	0	0	0	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	56,095	22,085	22,085	22,085	22,085	0	144,435
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	56,095	22,085	22,085	22,085	22,085	0	144,435

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	56,095	22,085	22,085	22,085	22,085	0	144,435	0

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: WPNSTA CHARLESTON, SC

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	-56,095	-22,085	-22,085	-22,085	-22,085	0	-144,435
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	-56,095	-22,085	-22,085	-22,085	-22,085	0	-144,435

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL NET COST	-56,095	-22,085	-22,085	-22,085	-22,085	0	-144,435	0

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: NPS ORLANDO, FL

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	8,000	0	0	0	0	0	8,000
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	125	0	125
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	8,000	0	0	0	125	0	8,125

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: NPS ORLANDO, FL

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	839	839	839	2,517	839
Misc Recur	0	0	0	2,000	2,000	2,000	6,000	2,000
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	2,839	2,839	2,839	8,517	2,839
TOTAL COSTS	8,000	0	0	2,839	2,964	2,839	16,642	2,839

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	5,025	4,371	406	230	371	80	10,483
TOTAL ONE-TIME	5,025	4,371	406	230	371	80	10,483

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	5,025	4,371	406	230	371	80	10,483	0

Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: NPS ORLANDO, FL

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	8,000	0	0	0	0	0	8,000
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	125	0	125
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	-5,025	-4,371	-406	-230	-371	-80	-10,483
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	2,975	-4,371	-406	-230	-246	-80	-2,358

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	839	839	839	2,517	839
Misc Recur	0	0	0	2,000	2,000	2,000	6,000	2,000
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	2,839	2,839	2,839	8,517	2,839
TOTAL NET COST	2,975	-4,371	-406	2,609	2,593	2,759	6,159	2,839

PERSONNEL, SF, RPMA, AND BOS DELTAS (COBRA v5.08)
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

	Personnel			SF		
Base	Change	%Change		Change	%Change	Chg/Per
SUBASE NEW LONDON	0	0%		0	0%	0
WPNSTA CHARLESTON	0	0%		0	0%	0
NPS ORLANDO	0	0%		-100,000	-9%	0

	RPMA($)			BOS($)		
Base	Change	%Change	Chg/Per	Change	%Change	Chg/Per
SUBASE NEW LONDON	0	0%	0	0	0%	0
WPNSTA CHARLESTON	0	0%	0	0	0%	0
NPS ORLANDO	0	0%	0	0	0%	0

	RPMABOS($)		
Base	Change	%Change	Chg/Per
SUBASE NEW LONDON	0	0%	0
WPNSTA CHARLESTON	0	0%	0
NPS ORLANDO	0	0%	0

RPMA/BOS CHANGE REPORT (COBRA v5.08)
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Net Change($K)	1996	1997	1998	1999	2000	2001	Total	Beyond
RPMA Change	0	0	0	0	0	0	0	0
BOS Change	0	0	0	0	0	0	0	0
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	0	0	0	0	0	0	0

INPUT DATA REPORT (COBRA v5.08)
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: No

Base Name	Strategy:
SUBASE NEW LONDON, CT	Realignment
WPNSTA CHARLESTON, SC	Realignment
NPS ORLANDO, FL	Realignment

Summary:

RETAIN Navy Nuclear Power School and NUCFLDASCOL ORLANDO

Do not spend $144 million to rebuild in Charleston (cost avoidance).
Assumes $2 million annual BOS costs to remain in Orlando, and $839k PCS costs annually.

NPSORL.cbr

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
SUBASE NEW LONDON, CT	WPNSTA CHARLESTON, SC	861 mi
SUBASE NEW LONDON, CT	NPS ORLANDO, FL	1,208 mi
WPNSTA CHARLESTON, SC	NPS ORLANDO, FL	347 mi

INPUT SCREEN THREE - MOVEMENT TABLE

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: SUBASE NEW LONDON, CT

Total Officer Employees:	859	RPMA Non-Payroll ($K/Year):	0
Total Enlisted Employees:	7,419	Communications ($K/Year):	0
Total Student Employees:	2,164	BOS Non-Payroll ($K/Year):	36,013
Total Civilian Employees:	1,015	BOS Payroll ($K/Year):	38,939
Mil Families Living On Base:	52.0%	Family Housing ($K/Year):	1,001
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	2,856	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	256	Activity Code:	00129
Enlisted VHA ($/Month):	192		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	Yes
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Name: WPNSTA CHARLESTON, SC

Total Officer Employees:	145	RPMA Non-Payroll ($K/Year):	0
Total Enlisted Employees:	1,695	Communications ($K/Year):	0
Total Student Employees:	67	BOS Non-Payroll ($K/Year):	10,982
Total Civilian Employees:	727	BOS Payroll ($K/Year):	22,090
Mil Families Living On Base:	27.0%	Family Housing ($K/Year):	157
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.85
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	1,303	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	82	Activity Code:	00193
Enlisted VHA ($/Month):	42		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

INPUT DATA REPORT (COBRA v5.08) - Page 2
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NPS ORLANDO, FL

Total Officer Employees:	149	RPMA Non-Payroll ($K/Year):	0
Total Enlisted Employees:	365	Communications ($K/Year):	0
Total Student Employees:	2,266	BOS Non-Payroll ($K/Year):	15,000
Total Civilian Employees:	194	BOS Payroll ($K/Year):	12,000
Mil Families Living On Base:	0.0%	Family Housing ($K/Year):	0
Civilians Not Willing To Move:	0.0%	Area Cost Factor:	0.82
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	1,089	CHAMPUS Shift to Medicare:	20.9%
Officer VHA ($/Month):	216	Activity Code:	9999
Enlisted VHA ($/Month):	148		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.16	Unique Activity Information:	No

RPMA SHOULD NOT BE ZERO

WHERE DID THIS COME FROM? BEQ?

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	100%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	100%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	0	Perc Family Housing ShutDown:				0.0%

Name: WPNSTA CHARLESTON, SC

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	100%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	100%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	56,095	22,085	22,085	22,085	22,085	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	0	Perc Family Housing ShutDown:				0.0%

Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NPS ORLANDO, FL

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	5,025	4,371	406	230	371	80
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	839	839	839
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	2,000	2,000	2,000
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	100%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	100%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	100	Perc Family Housing ShutDown:				0.0%

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NPS ORLANDO, FL

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	0	0	0	0	0
Enl Force Struc Change:	0	0	0	0	0	0
Civ Force Struc Change:	0	0	0	-70	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	0	0	0	0	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

INPUT SCREEN SEVEN - BASE MILITARY CONSTRUCTION INFORMATION

Name: NPS ORLANDO, FL

Description	Categ	New MilCon	Rehab MilCon	Total Cost($K)
BEQ MAINT & OTH BLDGS	OTHER	0	0	8,000

INPUT DATA REPORT (COBRA v5.08) - Page 4
Data As Of 16:19 05/08/1995, Report Created 14:57 05/30/1995

Department : NAVY
Option Package : NPS stays in Orlando
Scenario File : C:\COBRA95\NAVY\NPSORL.CBR
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	71.70%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	60.10%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	98.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	76,781.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,925.00	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	33,178.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,251.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	50,827.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	NAVY O&M,N BRAC95	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	75.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	9.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	6.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	5.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	39.00%
Avg Bachelor Quarters(SF):	294.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1.00	Inflation Rate for NPV.RPT/ROI:	0.00%

APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00
HHG Per Off Family (Lb):	14,500.00	Mil Light Vehicle($/Mile):	0.31
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle($/Mile):	3.38
HHG Per Mil Single (Lb):	6,400.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.17
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	3,763.00
Air Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	4,527.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	1,403.00

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	61	Optional Category A	( )	0
Waterfront	(LF)	10,350	Optional Category B	( )	0
Air Operations	(SF)	122	Optional Category C	( )	0
Operational	(SF)	111	Optional Category D	( )	0
Administrative	(SF)	123	Optional Category E	( )	0
School Buildings	(SF)	108	Optional Category F	( )	0
Maintenance Shops	(SF)	102	Optional Category G	( )	0
Bachelor Quarters	(SF)	96	Optional Category H	( )	0
Family Quarters	(EA)	78,750	Optional Category I	( )	0
Covered Storage	(SF)	94	Optional Category J	( )	0
Dining Facilities	(SF)	165	Optional Category K	( )	0
Recreation Facilities	(SF)	120	Optional Category L	( )	0
Communications Facil	(SF)	165	Optional Category M	( )	0
Shipyard Maintenance	(SF)	129	Optional Category N	( )	0
RDT & E Facilities	(SF)	160	Optional Category O	( )	0
POL Storage	(BL)	12	Optional Category P	( )	0
Ammunition Storage	(SF)	160	Optional Category Q	( )	0
Medical Facilities	(SF)	168	Optional Category R	( )	0
Environmental	( )	0			

DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20350-1000

LT-0679-F14
BSAT/TG
28 April 1995

The Honorable Alan J. Dixon
Chairman, Defense Base Closure
and Realignment Commission
1700 North Moore Street
Suite 1425
Arlington, VA 22209

Dear Chairman Dixon:

This is in further response to questions asked by Eric Lindenbaum of your staff, on April 3, 1995, concerning the Navy Nuclear Power Training Command (reference number: 950403-1).

The additional Cost of Base Realignment Actions (COBRA) data I indicated in my letter of April 11, 1995, would be provided by the end of the month, is attached. In accordance with Section 2903(c)(5) of the Defense Base Closure and Realignment Act of 1990, I certify the information provided to you in this transmittal is accurate and complete to the best of my knowledge and belief.

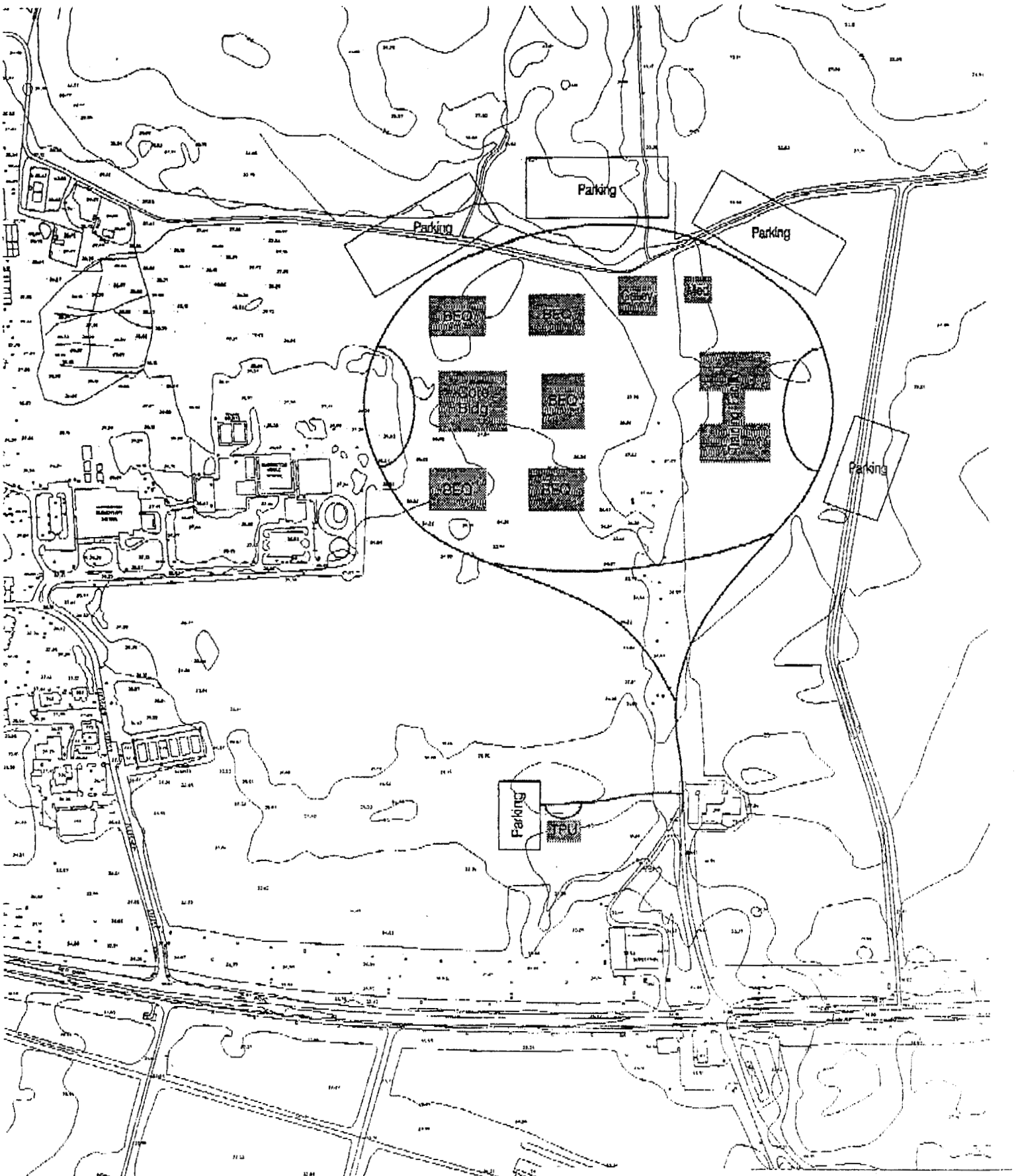
I trust the information provided satisfactorily addresses your concerns. As always, if I can be of any further assistance, please let me know.

Sincerely,

C.P. NEMFAKOS
Vice Chairman,
Base Structure Evaluation Committee

Attachment

This page is a map of the Department of the Navy – Naval Facilities Engineering Command – Southern Division – Charleston, SC. The map is too large to be scanned in to view electronically.



OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL

# of pages ▶ 1

To ANDY GRAHAM	From EFFIE MELETIS
Dept./Agency Navy	Phone # 743-0349
Fax # Phone DSN 794-7746	Fax #

SUBASE REALINMENT COALITION

105 Huntington Street, New London, CT 06320
Phone: (203) 443-8332 Fax: (203) 444-1529

June 19, 1995

Mr. Alan Dixon
Chairman
Base Closure and Realignment Commission
1700 N. Moore Street, Suite 1425
Arlington, VA 22209

Dear Chairman Dixon:

Enclosed is the final position statement of the New London area community regarding the proposed redirect of the Nuclear Power Schools and the proposed realignment of NUWC New London to Newport. We ask that you carefully consider our position.

For the Nuclear Power Schools we believe it is more economic to keep with the BRAC '93 directive to move the schools to New London rather than Charleston as now being proposed. It simply costs less to continue the move to the New London site with its existing facilities and completed engineering work rather than build an entirely new set of facilities (yet to be detailed) in Charleston. The attached community COBRA for the schools is based on Navy documents and demonstrate the basis for our position.

The Navy analysis accompanying the proposed move of NUWC, New London to Newport is simply misstated. There is no functional consolidation associated with this move; therefore, there are no savings. In fact, there are new costs, not all of which have been presented to BRAC by Navy. For example, we understand that in the NUWC FY '96/'97 budget two significant new construction buildings at Newport are included, a P070 and P030, for offices and administration. It is curious that these buildings are not included as BRAC costs when the number of people they can house is equal to the BRAC move numbers. When the estimated cost for these building is included in COBRA, the return on investment for the move drops to a negative value.

Please also note the difference between the DOD analysis of economic impact of these proposed actions and that of the University of Connecticut Department of Economics (UCONN). The DOD model is quite general and does not include information on other defense related economic changes ongoing in the community. The UCONN analysis is detailed and includes econometric relationships between actual regional business sectors which has been documented and verified over time as accurate.

The BSEC analysis shows a cumulative loss impact of 1365 jobs over the 1996 - 2001 time period. UCONN's economists project 14,003 jobs lost for the same period with 3898 job losses associated with the proposed BRAC actions.

Thank you for your consideration,

SUBASE REALINMENT COALITION
New London, Connecticut

Subase Realignment Coalition — NUWC COBRA
105 Huntington Street New London, CT 06320
203-443-8332 FAX: 203-444-1529

Summary of Subase Realignment Coalition Changes

(all $ in $000)

I. INPUT SCREEN FIVE

a. One-time Unique Costs: Add Homeowners Assistance Program costs of $17,192 (New London) for year 1997 to original $488,249.

Calculation: Reference **Tab 9** "Army HAP Costs" 28 April 1995 memo Don C. Chapman, Chief Realty Services Division, Directorate of Real\Estate, Army corps of Engineers to Commander NUWC Code 05, Roger Blackwell.

$\frac{11,494,335}{16,224,935}$ x 24,956,700 - 488,249 = 17,191,986

or 17,192 as input **Tab 26**.

b. One-time Unique Costs: Newport, RI

Add 600 to the original 6,769 for Newport for year 1996, and 600 for the year 1997 to cover "Planning and Management" as stipulated in BRAC 95 Data Call #3-20-0208-038, page 3-1 , Tab 19. Also add 1.1m in 1996 to New London for mission support as indicated in the same Data Call, page 2-9, **Tab 20**.

Add one-time costs of 14,300 in 1997 to NUWC Newport for Towed Array building not built in New London as briefed to BRAC Commissioners Cornella & Kling on 1 May 1995. **Tabs 24 - 25**.

Add to one-time cost avoidance for 1997 an estimated cost of 20m for P-070, reported to NUWC staff by NUWC management on 9 May 1995 as a new MILCON, a new twin tower to headquarters building to be erected to update facilities

(pre-WWII bldgs 101- -105). Without the move, P070 not needed, and P-070 is new MILCON not discussed in data. (No tab as of yet data request for NUWC MILCON has been made for FY 95, FY 96). Cost is estimated as a ratio of P-020 cost, **Tab 4**, as 25m x (80,000 sq. ft bldg : 93,000 sq. ft.) = 22.222m.

Summary of input: 22,222 = 600 = 14,300 = 37,122

New Hires - cost of recruiting, moving & training new personnel committed in BRAC run **Tabs 29 - 30**.

Calculation:

149 x 55.3 = 8,239. Note: does not include down-time costs while transferring positions and associated expenses.

Active Mission Savings: Change 490k claim of recurring savings to 50k. BSEC minutes show 50k, not 490k **Tabs 33 - 34**.

Recurring Savings:

Claimed: 3,172. Taking claim for civilian salaries, most of which are "Priority Placement" positions within DOD, therefore, no BRAC savings, but a BRAC cost **Tab 31**. The balance of savings is in retirements.

New London Fire/EMS savings included in Data Call 3-20-2080-38 Page 3-R, but not included in COBRA run **Tab 32**.

Miscellaneous: Add BOS/RPMA of 3,500, one year, beginning in 1998 **Tab 30a**.

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
Data As Of 17:36 11/30/1994, Report Created 23:59 05/31/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : C:\COBRA\NUWC1.CBR
Std Fctrs File : C:\COBRA\COBRAFIL\N95DBOF.SFF

Starting Year : 1996
Final Year : 1997
ROI Year : 100+ Years

NPV in 2015($K): 59,145
1-Time Cost($K): 86,586

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	-783	-3,431	-3,431	-3,431	-3,431	-14,506	-3,431
Overhd	212	5,069	1,937	1,937	1,937	1,937	13,031	1,937
Moving	0	21,355	0	0	0	0	21,355	0
Missio	0	0	-50	-50	-50	-50	-200	-50
Other	7,669	49,543	0	0	0	0	57,212	0
TOTAL	7,881	75,184	-1,543	-1,543	-1,543	-1,543	76,893	-1,543

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	2	0	0	0	0	2
Enl	0	3	0	0	0	0	3
Civ	0	58	0	0	0	0	58
TOT	0	63	0	0	0	0	63
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	420	0	0	0	0	420
TOT	0	420	0	0	0	0	420

Summary:

CLOSE NUWC NEW LONDON. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT.

SCENARIO 038

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 2/2
Data As Of 17:36 11/30/1994, Report Created 23:59 05/31/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : C:\COBRA\NUWC1.CBR
Std Fctrs File : C:\COBRAFIL\N95DBOF.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	934	0	0	0	0	934	0
Overhd	812	6,590	9,077	9,077	9,077	9,077	43,709	9,077
Moving	0	21,355	0	0	0	0	21,355	0
Missio	0	0	0	0	0	0	0	0
Other	7,669	54,802	0	0	0	0	62,471	0
TOTAL	8,481	83,682	9,077	9,077	9,077	9,077	128,470	9,077

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	1,718	3,431	3,431	3,431	3,431	15,441	3,431
Overhd	600	1,520	7,139	7,139	7,139	7,139	30,677	7,139
Moving	0	0	0	0	0	0	0	0
Missio	0	0	50	50	50	50	200	50
Other	0	5,259	0	0	0	0	5,259	0
TOTAL	600	8,497	10,620	10,620	10,620	10,620	51,577	10,620

INPUT DATA REPORT (COBRA v5.08) - Page 3
Data As Of 17:36 11/30/1994, Report Created 23:59 05/31/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : C:\COBRA\NUWC1.CBR
Std Fctrs File : C:\COBRAFIL\N95DBOF.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K): HAP	0	17,192	0	0	0	0
1-Time Unique Save ($K):	0	5,259	0	0	0	0
1-Time Moving Cost ($K):	0	4,219	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	50	50	50	50
Misc Recurring Cost($K): RETIREE	0	3,172	3,172	3,172	3,172	3,172
Misc Recurring Save($K): NEW FIRE	600	600	600	600	600	600
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	323	Perc Family Housing ShutDown:				0.0%

Name: NUWC NEWPORT, RI

ORIGINALLY 6764
1/2 Plan + Man Cost
7364

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	7,369	37,122	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K): NEW HIRE + training etc	0	8,239	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	300	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K): BCJ RPMT	0	0	3,500	3,500	3,500	3,500
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	0	Perc Family Housing ShutDown:				0.0%

Name: SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0

1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	0	Perc Family Housing ShutDown:				0.0%

(See final page for Explanatory Notes)

Data As Of 17:36 11/30/1994, Report Created 23:59 05/31/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : C:\COBRA\NUWC1.CBR
Std Fctrs File : C:\COBRA\COBRAFIL\N95DBOF.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	0	0	0	0	0
Enl Force Struc Change:	-7	0	0	0	0	0
Civ Force Struc Change:	-520	0	0	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	-2	0	0	0	0
Enl Scenario Change:	0	-3	0	0	0	0
Civ Scenario Change:	0	-58	0	0	0	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	71.70%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	60.10%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	98.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	76,781.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,925.00	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	33,178.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,251.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	54,694.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	NAVY DBOF BRAC95	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	75.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	9.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	6.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	5.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	39.00%
Avg Bachelor Quarters(SF):	294.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1.00	Inflation Rate for NPV.RPT/ROI:	0.00%

APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00

HHG Per Off Family (Lb):	14,500.00	Mil Light Vehicle($/Mile):	0.31
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle($/Mile):	3.38
HHG Per Mil Single (Lb):	6,400.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.17
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	3,763.00
[illegible] Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	4,527.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	1,403.00

Data As Of 17:36 11/30/1994, Report Created 23:59 05/31/1995

Department : NAVY
Option Package : NUWC NEW LONDON
Scenario File : C:\COBRA\NUWC1.CBR
Std Fctrs File : C:\COBRA\COBRAFIL\N95DBOF.SFF

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	61	Optional Category A	( )	0
Waterfront	(LF)	10,350	Optional Category B	( )	0
Air Operations	(SF)	122	Optional Category C	( )	0
Operational	(SF)	111	Optional Category D	( )	0
Administrative	(SF)	123	Optional Category E	( )	0
School Buildings	(SF)	108	Optional Category F	( )	0
Maintenance Shops	(SF)	102	Optional Category G	( )	0
Bachelor Quarters	(SF)	96	Optional Category H	( )	0
Family Quarters	(EA)	78,750	Optional Category I	( )	0
Covered Storage	(SF)	94	Optional Category J	( )	0
Dining Facilities	(SF)	165	Optional Category K	( )	0
Recreation Facilities	(SF)	120	Optional Category L	( )	0
Communications Facil	(SF)	165	Optional Category M	( )	0
Shipyard Maintenance	(SF)	129	Optional Category N	( )	0
RDT & E Facilities	(SF)	160	Optional Category O	( )	0
POL Storage	(BL)	12	Optional Category P	( )	0
Ammunition Storage	(SF)	160	Optional Category Q	( )	0
Medical Facilities	(SF)	168	Optional Category R	( )	0
Environmental	( )	0			

EXPLANATORY NOTES (INPUT SCREEN NINE)

SCREEN 5-NEW LONDON: $5,259K - ESTIMATED COST AVOIDANCE FOR BRAC-91 ACTIONS.

SCREEN 5-NEW LONDON: $4,219K - UNIQUE MOVING COSTS FOR MISSION AND SUPPORT EQUIPMENT.

SCREEN 5-NEW LONDON: $490K - NET MISSION SAVINGS FOR REDUCED OFFICIAL TRAVEL EXPENSES.

SCREEN 5-NEWPORT: $6,769 - UNIQUE ONE TIME COSTS FOR REFURBISHMENT

SCREEN 5-NEWPORT: $300K IN ENVIRONMENTAL MITIGATION FOR EIS, PERMITS...

New London Community COBRA — SCHOOLS

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
Data As Of 18:52 12/11/1994, Report Created 14:25 06/19

Department : NAVY
Option Package : NPS to Charleston
Scenario File : C:\COBRA\COBRAFIL\NPSCHAS7.CBR
Std Fctrs File : C:\COBRA\COBRAFIL\N95OM.SFF

Starting Year : 1996
Final Year : 1996
ROI Year : Never

NPV in 2015($K): 28,032
1-Time Cost($K): 171,746

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000
MilCon	53,671	-90,691	-17,915	22,085	22,085
Person	0	0	0	0	0
Overhd	218	218	4,412	7,186	461
Moving	0	0	13,000	0	0
Missio	0	0	0	0	0
Other	13,000	0	0	0	0
TOTAL	66,890	-90,473	-503	29,271	22,546

	1996	1997	1998	1999	2000
POSITIONS ELIMINATED					
Off	0	0	0	0	0
Enl	0	0	0	0	0
Civ	0	0	0	0	0
TOT	0	0	0	0	0
POSITIONS REALIGNED					
Off	0	0	0	0	0
Enl	0	0	0	0	0
Stu	0	0	0	0	0
Civ	0	0	0	0	0
TOT	0	0	0	0	0

Summary:

Redirect Navy Nuclear Power School from SUBASE NLON to WEPSTA Charleston.

SCENARIO 116

Department : NAVY
Option Package : NPS to Charleston
Scenario File : C:\COBRA\COBRAFIL\NPSCHAS7.CBR
Std Fctrs File : C:\COBRA\COBRAFIL\N95OM.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	
MilCon	56,095	22,085	22,085	22,085	22,085	
Person	0	0	0	0	0	
Overhd	218	218	4,412	8,025	1,300	1
Moving	0	0	13,000	0	0	
Missio	0	0	0	0	0	
Other	13,000	0	0	0	0	
TOTAL	69,314	22,303	39,497	30,110	23,385	1

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000
MilCon	2,424	112,776	40,000	0	0
Person	0	0	0	0	0
Overhd	0	0	0	839	839
Moving	0	0	0	0	0
Missio	0	0	0	0	0
Other	0	0	0	0	0
TOTAL	2,424	112,776	40,000	839	839

INPUT DATA REPORT (COBRA v5.08)
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INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
SUBASE NEW LONDON, CT	Realignment
WPNSTA CHARLESTON, SC	Realignment

Summary:

Redirect Navy Nuclear Power School from SUBASE NLON to WEPSTA Charleston.

SCENARIO 116

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
SUBASE NEW LONDON, CT	WPNSTA CHARLESTON, SC	861 mi

INPUT SCREEN THREE - MOVEMENT TABLE

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: SUBASE NEW LONDON, CT

Total Officer Employees:	859	RPMA Non-Payroll ($K/Year):	0
Total Enlisted Employees:	7,419	Communications ($K/Year):	0
Total Student Employees:	2,164	BOS Non-Payroll ($K/Year):	36,013
Total Civilian Employees:	1,015	BOS Payroll ($K/Year):	38,939
Mil Families Living On Base:	52.0%	Family Housing ($K/Year):	1,001
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	2,856	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	256	Activity Code:	00129
Enlisted VHA ($/Month):	192		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	Yes
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Name: WPNSTA CHARLESTON, SC

Total Officer Employees:	145	RPMA Non-Payroll ($K/Year):	0
Total Enlisted Employees:	1,695	Communications ($K/Year):	0

Total Student Employees:	67	BOS Non-Payroll ($K/Year):	10,982
Total Civilian Employees:	727	BOS Payroll ($K/Year):	22,090
Mil Families Living On Base:	27.0%	Family Housing ($K/Year):	157
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.85
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	1,303	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	82	Activity Code:	00193
Enlisted VHA ($/Month):	42		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

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→ reduced cost at $155.2m level for comparable facilities at NLON vs. WPNSTA per Nemenhaus memo.

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	2,100	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	2,424	112,776	40,000	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	1,049	Perc Family Housing ShutDown:				0.0%

added because COBRA otherwise does not provide for new roads and utilities required at Charleston

Name: WPNSTA CHARLESTON, SC

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	10,800	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	13,000	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	100	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	4,194	7,807	1,082	1,082
Misc Recurring Save($K):	0	0	0	839	839	839
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	0	Perc Family Housing ShutDown:				0.0%

→ added for delta between ORLANDO and WPNSTA/NLON operating costs, avoided savings due to 1 year delay in move if move is to WPNSTA vs NLON

→ plussed by 122K to recognize savings due to reduced instructor travel.

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	149	0	0	0	0	0

→ PCS savings per Lindenbaum estimates in lieu of original Navy estimate of $6.9m and revised Navy estimate of $2.4m

Enl Force Struc Change:	365	0	0	0	0	0
Civ Force Struc Change:	0	0	0	0	0	0
Stu Force Struc Change:	2,101	0	0	0	0	0
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	0	0	0	0	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

Data As Of 18:52 12/11/1994, Report Created 14:25 06/19/1995

Department : NAVY
Option Package : NPS to Charleston
Scenario File : C:\COBRA\COBRAFIL\NPSCHAS7.CBR
Mil Fctrs File : C:\COBRA\COBRAFIL\N95OM.SFF

INPUT SCREEN SEVEN - BASE MILITARY CONSTRUCTION INFORMATION

Name: WPNSTA CHARLESTON, SC

Description	Categ	New MilCon	Rehab MilCon	Total Cost($K)
Horizontal	HORIZ	70,500	0	2,468
Training	SCHLB	243,000	0	0
BEQ -	BACHQ	667,000	0	0
Dining Facilities	DINFC	36,000	0	0
Personnel Support	RECFC	16,000	0	0
Medical Facilities	MEDFC	23,000	0	0
Expand Fire Station	OTHER	14,000	0	212

FALSE COBRA COMPARISON.

COBRA COST FOR SAME FACILITY

CHARLESTON	$144.4 M
NEW LONDON	$155.2 M

CHARLESTON TAKING CREDIT FOR COST AVOIDANCE

$162.4 M

ONLY BECAUSE THIS AMOUNT IN BUDGET FOR A LARGER FACILITY.

CHARLESTON COBRA DOES NOT CONTAIN COSTS FOR ROADS/UTILITIES $10.8 M. (11,000 FT OF ROAD IN SITE PLAN)

CHARLESTON COBRA DOES NOT ALLOW FOR ANY DELAY IN MOVING OUT OF ORLANDO. $13 M/YEAR. ASSUMES SAME CONSTRUCTION SCHEDULE AS NEW LONDON, WHICH HAS 18 MONTHS PLANNING/DESIGN AND NO ENVIRONMENTAL PERMIT REQUIREMENT.

1. NEW PCS COSTS/SAVINGS.

NAVY $2.9M $\frac{\$2.9M}{1090 \text{ STUDENTS}}$ = $2660/MAN (RAW AVERAGE).
(2001 NUMBERS)

OFFICER STUDENTS.

		RATE		
30% MARIED	×	$3592	=	1077.6
70% SINGLE	×	1363	=	954.1
				$2031.7

(1995 AVERAGES McCOLLUM ANSWER)

(AVERAGE/OFFICER)

AVERAGE (RAW) PER MAN CONSIDERABLY HIGHER THAN OFFICER AVERAGE AT KNOWN RATES. ENLISTED AVERAGE WITH HIGHER UNMARRIED % AND LOWER RATES WOULD BE EVEN LOWER.

NAVY $2.9M SAVINGS DOES NOT MAKE SENSE!!

2. NO APPARENT OFFSET BEING USED BY NAVY FOR REDUCED COSTS FOR 1/2 STUDENTS GOING TO NEW YORK FROM NEW LONDON VERSUS NEW YORK FROM CHARLESTON.
$136K/YR OFFICERS ALONE.

NEW BOS FIGURES.

	NEW LONDON	CHARLESTON.
SIZE OF BASE (PERSONNEL)	11,547	2634
PREVIOUS CERTIFIED DATA.		
BOS NON PAYROLL ($K/YR)	36,013	10,982
BOS PAYROLL	38,939	22,890
NEW CERTIFIED DATA		
BOS NON-PAYROLL	36,013	2,078
BOS PAYROLL	38,939	12,233

RESULT - OLD DATA. CHARESTON $1M/YR HIGHER

NEW DATA CHARLESTON $3M/YR LOWER.

WHAT JUSTIFIES THE CHANGE?

HIGHER TENANT LOAD TO SHARE BOS SHOULD MAKE NEW LONDON COST LOWER THAN CHARLESTON.

△ 7.1 △ 4.2

how allocated?

COST MINIMIZING

NAVAL REACTORS MAKING ALL EFFORTS TO MINIMIZE COSTS AT CHARLESTON.

NO EFFORTS TO MINIMIZE AT NEW LONDON.

DESIGNERS AT NEW LONDON HAVE DOCUMENTED SAVINGS POSSIBLE OF $14.5 MILLION FOR SMALL EFFORT.

IRONY - NAVAL REACTORS SET REQUIREMENTS. THEN SAYS TOO EXPENSIVE.

168 → 158

NAVY'S RECOMMENDATIONS FOR NEW LONDON COUNTY TO THE BRAC COMMISSION

AN ECONOMIC IMPACT STUDY

5 MAY 1995

CONNECTICUT CENTER FOR ECONOMIC ANALYSIS
Department of Economics, U-63
University of Connecticut
Storrs, Connecticut 06269-1063

Even when we permit the Naval Nuclear Training School to be transferred to Groton, the losses faced by New London County and the State of Connecticut are still substantial. The average loss of employment for the years 1996 to 2005 amount to 11,020 jobs per year in New London County and 18,952 jobs per year in Connecticut. Over this period, New London County will suffer a cumulative loss of nearly $9.2 billion 1995 dollars in Gross Regional Product. Due to a lack of economic opportunity, approximately 14.8 thousand individuals will have deserted New London County by the year 2005 for greener economic pastures.

Average Annual Economic Losses in New London County

SCENARIO	LOSS IN DISPOSABLE INCOME ($1995)	LOSS IN GROSS REGIONAL PRODUCT ($1995)	TOTAL PUBLIC & PRIVATE JOBS LOST	POPULATION LOST
CASE A	$376 MILLION	$837 MILLION	14,003	16,319
CASE B	$323 MILLION	$916 MILLION	11,020	9,056
CASE C	$65 MILLION	$89 MILLION	2,015	2,418

University of Michigan's Research Seminar in Quantitative Economics (RSQE), and specific adjustments based upon historical data and planned employment changes in New London County other than those under study here. Our analysis provides detailed forecasts for New London County and the state of Connecticut as a whole.

The study considers the direct and indirect effects of the proposed shutdown. As the passage of time is simulated, the changes associated with the proposal weave their way through the intricate linkages of the model, just as economic theory suggests they will move through the real economy should the proposal advance.

Summary of Results. The proposed closing of the Naval Undersea Warfare Center will take thousands of workers from the state's employment rolls. Connecticut as whole will lose an average of 2,784 jobs per year over the period 1996 to 2005, while New London County will suffer an average loss of 2,015 jobs per year over the same period. In the worst year (1998), as many as 3,219 jobs could be lost in the state, including 2,267 jobs in New London County.

Private employment will be reduced in New London County due to the shutdown by an average of 1,868 jobs per year over the period 1996 to 2005, and in Connecticut as a whole by the average of 2,574 jobs per year over the same period.

In the face of this increased unemployment, many will choose to leave New London County area and Connecticut. This moderates the rise in the unemployment rate. Some who might wish to leave the area may not be able to do so. Difficulties in selling homes, finding jobs elsewhere, and other "frictions" may act to slow the outward migration from the area, having a negative impact on the unemployment rate. Absent substantial frictions, as many as 5,209 people could leave Connecticut, with 3,582 coming from New London County.

While the above paints a serious picture of the effect of the proposed closing of the Naval Undersea Warfare Center on New London County and the State of Connecticut, the true picture is worse when one considers cases A and B. Under these two cases, the impact of military spending cutbacks at Electric Boat along with the transfer or lack of transfer of the Naval Nuclear Training School to Groton are analyzed. A much more vivid picture of the price New London County has paid and will pay in the future for the peace dividend is summarized in cases A and B of the following long-run economic impact summary table.

When the downsizing planned at Electric Boat is added to the closing of the Naval Undersea Warfare Center, the average number of jobs lost in New London County over the period 1996 to 2005 is increased more than six fold to 14,003 jobs. This translates into an average annual loss in Gross Regional Product under Case A of $837 million 1995 dollars in New London County and $1.163 billion 1995 dollars for the State of Connecticut.

EXECUTIVE SUMMARY

This analysis provides estimates of the economic impact of the proposed shutdown of the Naval Undersea Warfare Center in New London, Connecticut. Three cases will be considered in all. Two of the scenarios add to the closing of the Naval Undersea Warfare Center cutbacks that have already occurred at Electric Boat or are scheduled to occur at Electric Boat between now and 1999. These two cases are further differentiated by whether Groton gets or does not get the Naval Nuclear Training School.

Since fiscal year 1989, defense contracts awarded to firms within the towns of New London and Groton have declined from nearly $2.4 billion to $650 million in fiscal 1993. This represents a cutback in military spending in this small portion of New London County of nearly 77%. This has resulted in downsizing by all the major defense contractors in the area.

Therefore, in this study, we consider three scenarios:

Case A: The Navy's recommendations are carried out in combination with already executed and planned cutbacks at Electric Boat. The Naval Undersea Warfare Center is closed. The Naval Nuclear Training School is transfer to South Carolina instead of Groton.

Case B: The same as Case A with the exception that the Naval Nuclear Training School is transferred to Groton.

Case C: The Naval Undersea Warfare Center in New London, Connecticut is closed. This closing is studied in isolation.

The effects of the planned shutdown were evaluated through a simulation using the Connecticut Center for Economic Analysis' (CCEA) state computer-based macroeconomic model. The model was developed by researchers at Regional Economic Models, Inc. to be used for just such analyses as this one. The model was acquired through grants from the Connecticut Department of Economic Development and the Subase Realignment Coalition, and resides at the Department of Economics of the University of Connecticut, where it undergoes continual development and refinement.

The model considers all major inter-industry interactions among 466 private sectors of the economy, aggregated into 49 major private industries. Interactions from state and local government, civilian federal government, military, and farming are added to create a total of 53 sectors under consideration.

We estimate the economic impact of each case against a control forecast (the "constant base"). The control forecast is based upon the 1992 state input/output (I/O) table derived from the national table, a January 1995 macroeconomic forecast from the

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INTRODUCTION

This report evaluates the economic impact on the Connecticut economy of closing down the Naval Undersea Warfare Center in New London, Connecticut, and the failure to get the Naval Nuclear Training School previously scheduled to be transferred to Groton, Connecticut. The Connecticut economy already suffers under the weight of continued cutbacks in defense spending that has resulted from the end of the cold war. Between fiscal 1989 and fiscal 1993, prime defense contracts awarded to Connecticut firms have been reduced from $6.1 billion to $2.9 billion. This represents a cutback of more than 50% in military spending within Connecticut.

Now the Clinton Administration has proposed sweeping additional defense cutbacks. Achieving these cutbacks will require the closing of a number of major military installations inside the United States. As part of this plan, the Naval Undersea Warfare Center currently located in New London, Connecticut is under consideration for shutdown.

This study quantifies the effects of these defense cuts on the Connecticut economy in terms of total employment, private nonfarm employment, real gross state and regional products, and so on, through simulations and forecasts generated by the state and regional macroeconometric models developed by Regional Economic Models, Inc. (REMI), and operated by the Connecticut Center for Economic Analysis (CCEA) at the Department of Economics of the University of Connecticut. The CCEA has evaluated the proposed changes through a series of computerized runs that simulate New London County in isolation and the state of Connecticut as a whole.

This study considers the direct and indirect effects of the proposed cuts in the face of the existing, continuing retrenchment of the Connecticut economy. Direct expenditures by the Center involving Connecticut suppliers, retail and real estate expenditures by those employed by the Center, as well as secondary (indirect) expenditures are considered.

Note, however, that this study cannot consider a number of important effects, positive and negative, that may follow from the proposed shutdown, but that are not directly measurable or estimable. Unmeasured positive considerations include:

(1) Any new out-of-state firms attracted by the availability of high-quality labor and the depressed job market. The Connecticut Department of Economic Development will be making its best efforts to attract such firms.

(2) Any of the proposed new federally funded programs suggested by the President to retrain defense workers or to aid in the restructuring of local, hard-hit economies.

At least one important unmeasured negative consideration exists:

Unemployed workers living in the area may relocate. Adding housing to the already depressed local residential real estate market could exacerbate the situation. Housing prices could fall even further. Some unemployed workers may be unable to sell their homes without losses greater than they can bear. They may become trapped, unable to unburden themselves of their mortgage payments or pursue employment elsewhere. Some

may default, raising the risk to some local financial institutions. Many workers may already be in this position because of the declining housing market in the state since 1989. We do not consider the introduction of the freed housing into the local market.

In 1992, with funding from the Connecticut Department of Economic Development (DED), the Department of Economics at the University of Connecticut acquired a microcomputer-based econometric model of the Connecticut economy from Regional Economic Models, Inc. (REMI). As Massachusetts-based firm with historical ties to the University of Massachusetts, REMI has developed an expertise in regional econometric modeling, and is a leading supplier and developer of such models. Following the acquisition of the model, the Department of Economics at the University began the formal process to create the Connecticut Center for Economic Analysis (CCEA).

In April 1994 the CCEA, with funding from the Subase Realignment Coalition, acquired another economic model from REMI that breaks out New London County, allowing the county results to be studied in isolation.

The REMI models include all of the major inter-industry linkages among 466 private industries, aggregated into some 49 major industrial sectors. With the addition of farming and three public sectors (state & local government, civilian federal government, and military), there is a total of 53 sectors represented in the models.

At the root of the models are the results of extensive modeling efforts at the U.S. Department of Commerce (DoC). The DoC has developed, and continues to develop, an *input-output model (or I/O model)* for the United States. Modern input-output models, largely the result of the path-breaking research by Nobel laureate Wassily Leontief, focus on the inter-relationships between industries, and provide micro-level detail regarding factor markets (including the labor market), intermediate goods production, as well as final goods production and consumption. Conceptually, the model is constructed in the form of a table, a kind of cross-reference, in which each cell summarizes the sales-purchase relation between industries or sectors.

An example may help to make clear the value of this structure. Suppose that one cell changes; wages for labor rise in one specific sector. The labor cell in that sector would change. Then the change would flow through the table, affecting inputs and outputs in other industries along the chain of production. At the same time, businesses might substitute capital machinery (automation) or other inputs that appear more cost effective as a result of the change, offsetting to some extent the rising cost of labor. Workers may attempt to shift their employment to the sector with the higher wages. That is, all of the elements of the model, just like the economy it represents, are related to all other elements of the model.

The REMI Connecticut model takes the U. S. I/O "table" results and scales them according to traditional regional relationships and current conditions, allowing the relationships to adapt at reasonable rates to changing conditions. Additionally:

- Consumption is determined on an industry-by-industry basis, from real disposable income in Keynesian fashion.
- Wage income is related to sector employment factored by regional differences.

- Property income depends only on population and its distribution, adjusted for *traditional* regional differences, not on market conditions or building rates relative to business activity.

- Estimates of transfer payments depend upon unemployment details of the previous period. Moreover, government expenditures are proportional to the size of the population.

- Federal military and civilian employment is exogenous and maintained at a *fixed* share of the corresponding total U. S. values, unless specifically altered in the analysis.

- Migration into and out of the state is estimated based upon relative wages and the "amenities" of life in Connecticut versus other states.

- "Imports" and "exports" from other states are related to relative pricing and production costs in Connecticut versus elsewhere.

Depending on the analysis being performed, the nature of the chain of events cascading through the model (economy) can be as informative for the policymaker as the final aggregate results. Because the model generates such extensive sectoral detail, it is possible for experienced economists in this field to discern the dominant causal linkages involved in the result.

In the sections that follow, the final aggregate results are discussed and important causal linkages highlighted. The model output summary tables for the cases examined are included as an appendix.

It may be misleading to evaluate the lone impact of closing the Naval Undersea Warfare Center located in New London. Along with the shutdown, contracts to defense manufacturers are also being reduced. Electric Boat, in particular, has been closely associated with the nearby center, and has, in the past, provided useful synergies with the operations there.

The analysis considers the effects of three specific categories of events—employment reductions in the defense industry, failure to transfer the Naval Nuclear Training School to Groton, and the shutdown of the Naval Undersea Warfare Center:

(1) We consider both actual and proposed reductions in the defense industry in New London County. A particularly important example is Electric Boat. Current contracting levels will force Electric Boat to reduce its total employment.

(2) Closing down the Naval Warfare Center in New London will dramatically reduce employment in the region. In addition the average wage will also go down. The Center's workers receive salaries above the industry average in New London County. The layoff and transfer of workers at the Naval Undersea Warfare Center, will add to the competition for the remaining jobs, and therefore drive down wages.

We estimate the economic impact of these changes across all meaningful, possible cases against a control forecast (the "constant base"). The control forecast is based upon the 1992 state I/O table derived from the national table, a January 1995 macroeconomic forecast from the University of Michigan's RSQE, and specific adjustments based upon historical data and planned employment changes in New London County other those under consideration. Our analysis provides detailed forecasts for New London County and the state as a whole. This results in three different case scenarios.

Case A: The Navy's recommendation that the Naval Undersea Warfare Center be shut down and the Naval Nuclear Training School not be transferred to Groton combined with cutbacks at Electric Boat that have occurred since June of 1993 or cutbacks that are scheduled to occur between the present and the end of 1999.

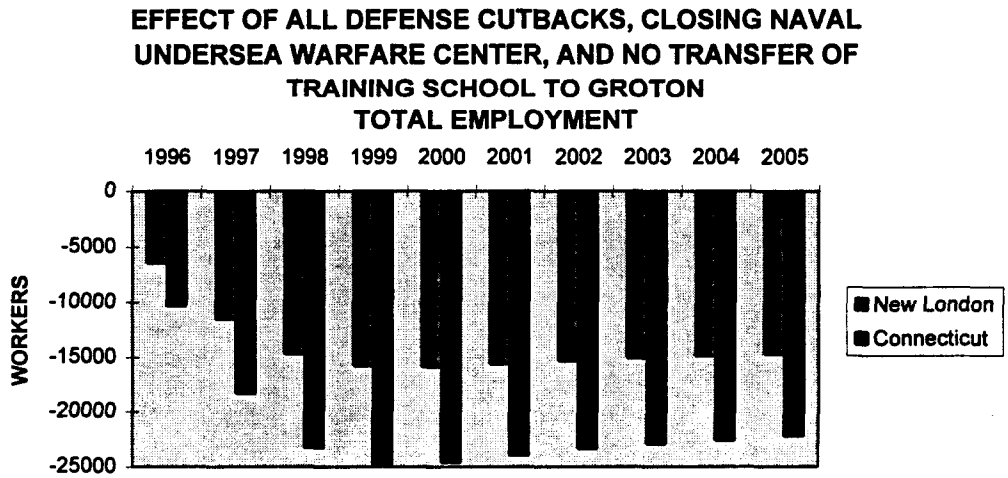
Case B: Same as Case A except the Naval Nuclear Training School is transferred to Groton.

Case C: The Naval Undersea Warfare Center is closed. This closing is studied in isolation independent of any other economic events that are occurring.

In this case, we consider the impact on New London County and the State of Connecticut of the Navy's recommendations to the BRAC. This recommendation includes the closing of the Naval Undersea Warfare Center and nonimplementation of the planned transfer of the submarine training school to Groton. Also included in the analysis are cutbacks already implemented at Electric Boat since June of 1993 and those cutbacks planned from now until the end of 1999. This downsizing is directly attributable to the peace dividend and should be included in any analysis of the effect of military cutbacks on New London County and the State of Connecticut. A third item included in the analysis is a small reduction in the personnel at the Groton Subase. It is projected that the base will shrink in size from 9,358 civilian and navy personnel in 1995 to 9,015 civilian and navy personnel in the year 2000.

The full impact of this scenario on New London County and the State of Connecticut can be clearly seen in figure 1. Between the years 1996 and 2005, New London County will suffer an annual job loss of 14,003 jobs. For the State of Connecticut the loss over the same period averages 21,648 jobs per year. Clearly, a good portion of this loss is due to the downsizing of Electric Boat from 13,162 position in June of 1993 to a projected staff of 4,800 people by the end of 1999. These people are highly skilled workers that command wages slightly above the average for this industry within New London County and the State of Connecticut as a whole. However, the closing of the Naval Undersea Warfare Center also impacts the area substantially as will be clearly seen in the analysis presented under scenario C since these workers have salaries that are more than double the average salary found in the corresponding sector of the REMI model. The removal of such spending power for the New London will have substantial secondary impacts.

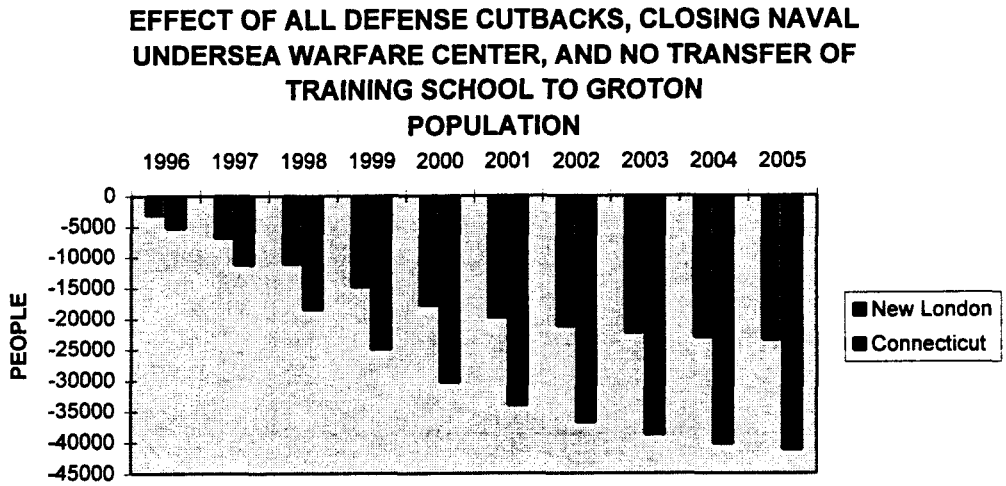
Figure 1



While a number of the jobs lost will be military personnel that will probably be reassigned, the effect on the private sector of Connecticut and New London cannot be ignored. New London County will suffer an annual loss of 12,870 private sector jobs over

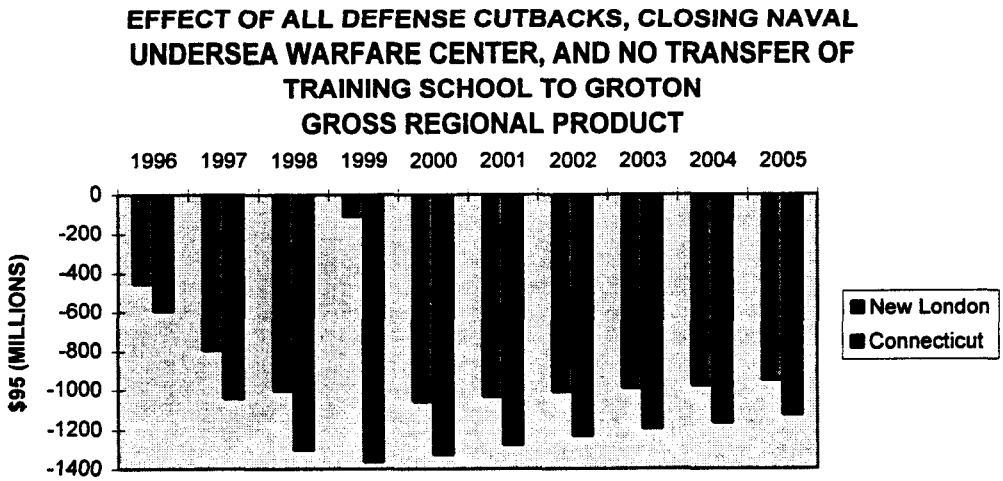
the period of this analysis. At the state level the annual loss comes to 19,871 private nonfarm sector jobs. The full nature of these losses can be clearly seen in figure 2.

Figure 2



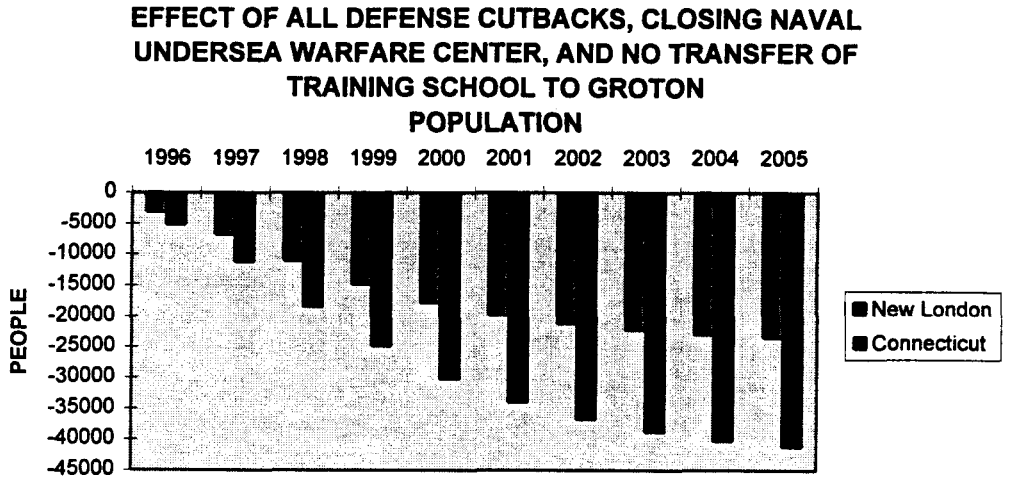
The loss of jobs presented above also translates into a loss of final product. In terms of gross regional product, the situation under scenario A amounts to a substantial cost to the New London County and Connecticut economy. Over the next ten years from 1996 to 2005, New London County will suffer a cumulative loss of nearly $8.4 billion 1995 dollars in gross regional product. At the state level, the loss comes over $11.6 billion 1995 dollars (see figure 3). Translated to a level understood by the average individual, we are looking at an annual loss in New London County of $376 million 1995 dollars in disposable income. In terms of this after-tax spendable income, the citizen of Connecticut will suffer an annual reduction in disposable income of nearly $700 million 1995 dollars.

Figure 3



Clearly, the loss of jobs and output represent a loss of economic opportunity for the residents of New London County and the State of Connecticut. As has become the case throughout Connecticut, the cutback in defense spending has lead to a flight of skilled workers from the state and the region. The story is no different for the cutbacks being studied in this case. It is anticipated that as a result of cutbacks at Electric Boat and the loss of the Naval Undersea Warfare Center, that by the year 2005 that 16,319 individuals and families will have left New London County for greener pastures. At the state level, the total loss in population will come to 41,160 by the year 2005 under the scenario that we are studying. The path of these losses is shown in figure 4.

Figure 4



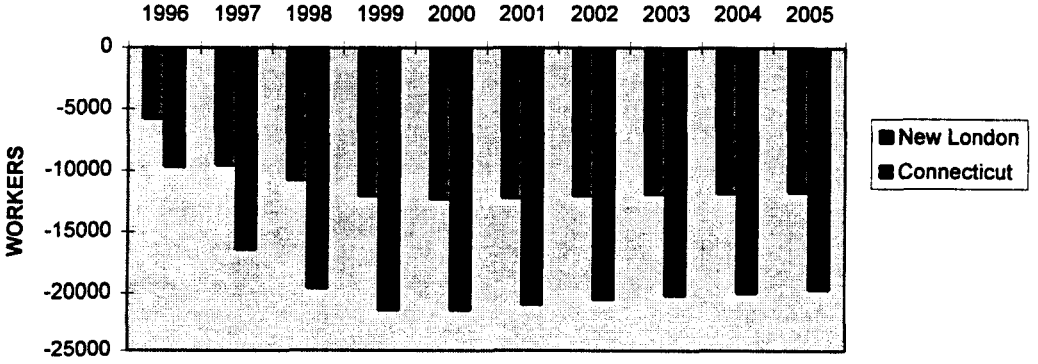
In sum, the cost of scenario A to the residents of New London County and the State of Connecticut is substantial. This loss can be measure in jobs, income, output and friends. It is a loss that, given its magnitude, will impact every resident in some manner.

Two years ago, in part as an offset to the losses that New London County was suffering under the peace dividend and in part based on sound economic and military analysis, the BRAC Commission recommended that the Naval Nuclear Training School be transferred from Orlando, Florida to Groton, Connecticut. Under scenario B, we again consider transferring the Nuclear Training School to Groton as a partial offset to the losses that Connecticut and New London County are suffering under the downsizing of the nation's military might. Under scenario B, we continue the downsizing of Electric Boat and the closing of the Naval Undersea Warfare Center.

Even with the transfer of 2,700 naval personnel to Groton with the training school, New London County will continue to suffer economic setbacks. In terms of jobs, New London County will lose annually 11,020 positions. At the state level the loss comes to 18,952 jobs per year. The magnitude of this loss is clearly demonstrated in figure 5.

Figure 5

EFFECT OF ALL DEFENSE CUTBACKS, CLOSING NAVAL UNDERSEA WARFARE CENTER, AND THE TRANSFER OF THE TRAINING SCHOOL TO GROTON TOTAL EMPLOYMENT

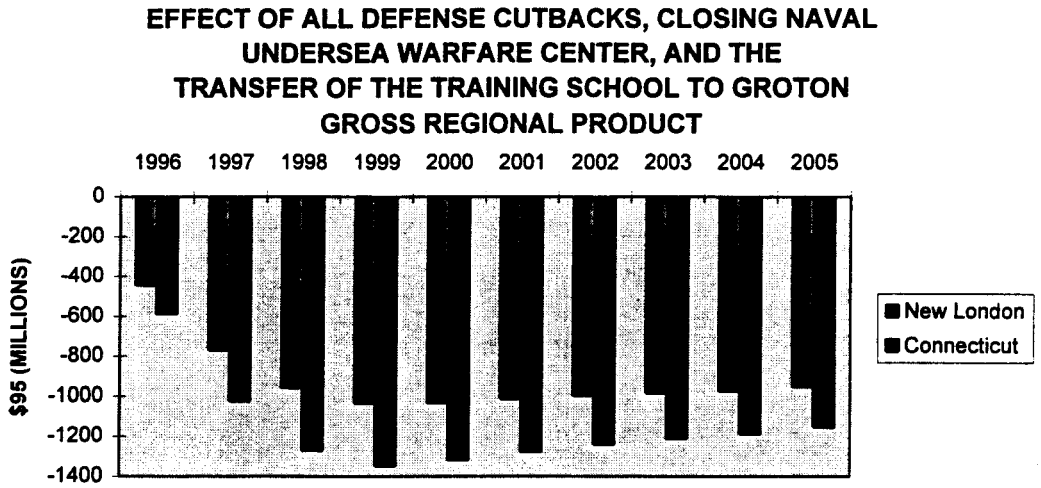


A second measure of the cost to New London County and the State of Connecticut of the proposed cutbacks under Case B is the reduction in gross regional product. The total loss in terms of gross regional product for the ten year period will amount to nearly $9.2 billion 1995 dollars. At the state level, the loss is $11.6 billion 1995 dollars over the same period. The reduction in gross regional product year by year for both New London County and the State of Connecticut is shown in figure 6.

This loss of output means loss of income. Over the period, 1996 to 2005, New London County residents will see their current dollar personal income reduced on average by $902 million dollars annually. The cost at the state level is even greater. Over the same period, the taxpayers of Connecticut will see their total personal income in current

dollars be $2.1 billion less than would have been in the case if the cutbacks that we are discussing had not occurred.

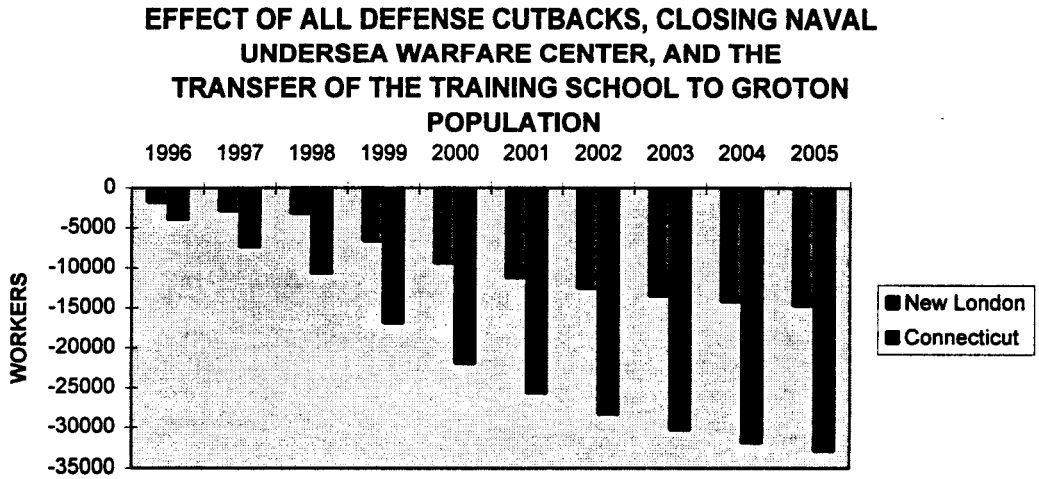
Figure 6



Most of us do not think in terms of our gross paycheck. It is the take-home part of the check that counts. This is our disposable income. Under Case B, residents of New London County will see their annual disposable income reduced by $323 million 1995 dollars on average over the period 1996 to 2005. The loss of spendable income at the state level will average $669 million 1995 dollars over the next decade.

As under scenario A, these losses will be accompanied by economic migration. By the year 2005, the total flight of individuals from New London County will have reach the level of 14,765 people. In the same year, Connecticut will have lost 21,037 people from its total population (see figure 7).

Figure 7



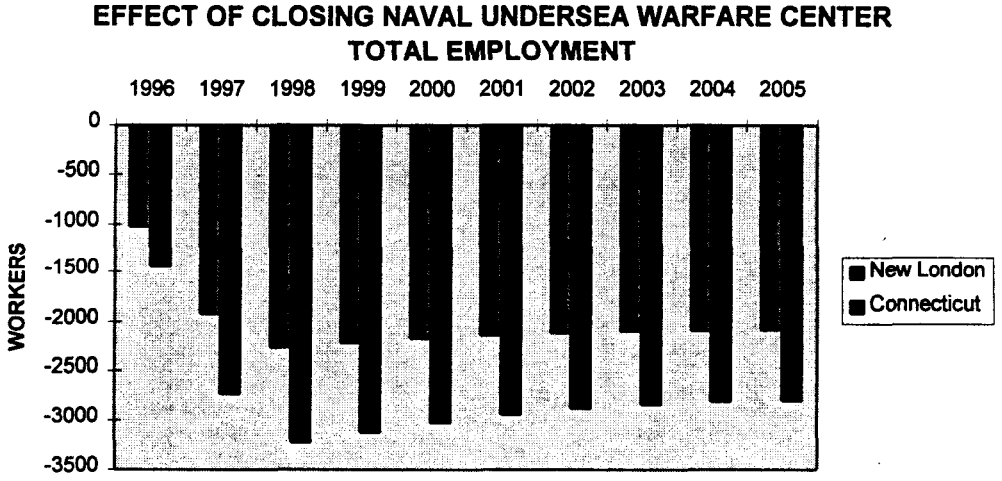
In sum, the transfer of the Nuclear Training School to Groton will offset part of the economic loss suffered by New London County and the State of Connecticut by the cutbacks occurring at Electric Boat and the closing of the Naval Undersea Warfare Center. The transfer will save New London County annually nearly 3,000 jobs, $79 million 1995 dollars worth of gross regional product, and $53 million 1995 dollars of disposable income. For Connecticut, the annual savings come to nearly 2,700 jobs, jobs that Connecticut can ill afford to lose at this point in time.

In this case we analyze the effect of closing the Naval Undersea Warfare Center on New London County and the State of Connecticut. The closing of the Warfare Center is the main thrust of the Navy's recommendation in this round for the Groton/New London area. While the recommendation also includes the moving of the Nuclear Training School to Charleston, South Carolina instead of Groton, it represents only an expectation of Connecticut residents and not a reality. Connecticut never had the Nuclear Training School. We were simply to get it as a result of the last round's recommendations.

The Naval Undersea Warfare Center represents a unique institution. The average salary of people that work at this establishment is more than twice that of the other workers in New London County that belong to the same sector in the REMI model. These people because of their high salaries have a tremendous amount of purchasing power and support a large service sector within the New London area.

Closing the Naval Undersea Warfare Center will result in an average annual loss of 2,015 jobs in New London County over the period 1996 to 2005. An additional 779 jobs will be taken annually from the rest of Connecticut. This brings the average annual job loss in Connecticut to 2,784 for the same period. Figure 8 shows the losses for both New London County and Connecticut.

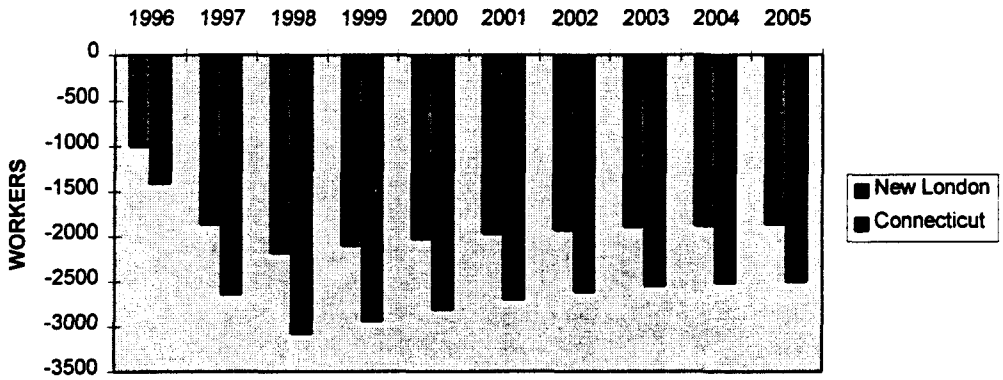
Figure 8



Many of the jobs lost as a result of closing the Naval Undersea Warfare Center in New London are in the private sector. On an annual basis between 1996 and 2005, the average number of private nonfarm positions that will be lost in New London County will be 1,868. Within Connecticut as a whole, the loss comes to 2,574 private nonfarm jobs per year for the same period. Figure 9 demonstrates this loss private sector jobs for New London County and the State of Connecticut for the period 1996 to 2005.

Figure 9

EFFECT OF CLOSING NAVAL UNDERSEA WARFARE CENTER TOTAL PRIVATE EMPLOYMENT



As noted in the previous sections, the loss of job translates into a reduction in total output within a society. Labor and capital combine to produce real goods and services, and when one of the inputs is reduced, labor in our case, then output is reduced. This output is traditional measured by gross regional product that is the value of all final goods and services produced in area during the course of a year. The closing of the Naval Undersea Warfare Center not only removes from the area the output of that installation but also the output of many firms within the community that service that installation, its employees and their families. In terms of 1995 dollars, the cost to the New London County economy over the next ten years of closing the Naval Undersea Warfare Center will be $891 million. The influence of the Center is not localized to New London County, but reach throughout the State of Connecticut and the neighboring states of Rhode Island and Massachusetts. Within Connecticut alone, the cumulative cost over the decade from 1996 to 2005 of the closing will be approximately $1.35 billion. The distribution of these costs over the decade is illustrated in figure 10.

While many of the people employed at the Naval Undersea Warfare Center are scheduled for reassignment to Newport, Rhode Island, they will with time probably stop commuting from the New London area and relocate closer to Newport. As these people move, so does their purchasing power. The loss of this purchasing power will cost jobs in the New London and make the New London labor market a scarier place of workers seeking employment. Ultimately, after weeks of fruitless job search, some people will decide to relocate to regions of the country where jobs matching their skills are more plentiful. This scenario is also going to play itself out as a result of closing the Naval Undersea Warfare Center. By the year 2005, 3,582 people will have migrated from New London County to other areas of the state and country. For the State of Connecticut, the loss of population due to the shutdown of the Naval Undersea Warfare Center will peak

at 5,209 individuals in the year 2005. The pattern of out-migration is given in figure 11 on the following page.

Figure 10

EFFECT OF CLOSING NAVAL UNDERSEA WARFARE CENTER GROSS REGIONAL PRODUCT

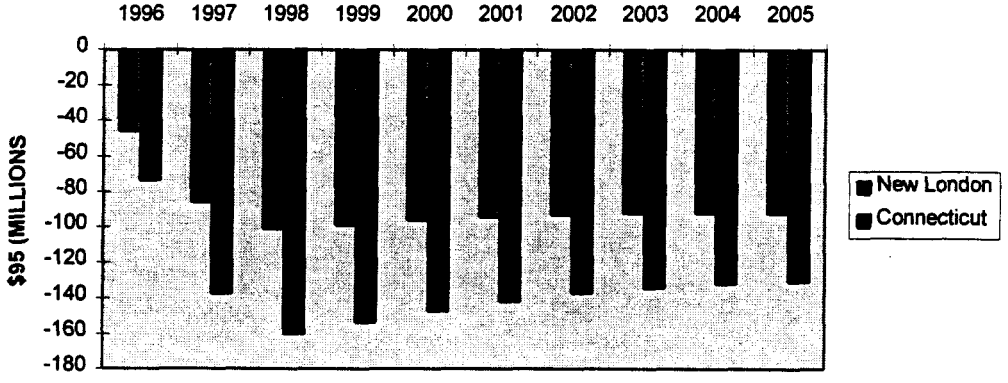
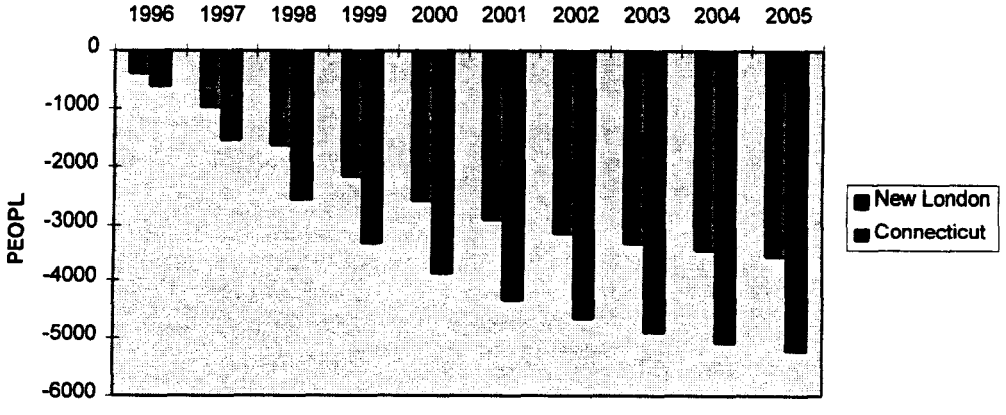


Figure 11

EFFECT OF CLOSING NAVAL UNDERSEA WARFARE CENTER POPULATION



As pointed out in the March 1995 issue of *Connecticut Economic Monitor* the town of Groton where the Naval Subase is located and a neighbor to New London was among the top ten towns among Connecticut's 169 towns with respect to loss of jobs during the decade from 1983 to 1993. The closing of the Naval Undersea Warfare Center is not going to help to improve this statistic, but only aggravate it.

The Navy's recommendations considered in this report will have a severe adverse effect upon a community that has already been hard hit by the peace dividend. The full extent of the suffering of the towns most affected by this Navy's proposals is illustrated in table 1. Table 1 shows for nine of the surrounding town their level of job growth and rate of job growth over the decade from 1983 to 1993. Every one of this town is in the lower half of Connecticut's 169 town with respect to either the level of job growth or the rate of job growth. In fact, six out of the nine had negative job growth over the decade. Within the list, only Voluntown had a job growth rate that was above the statewide average of 5.2% for the decade, and only Waterford ranked in the upper half with respect to either one of the two rankings.

Table 1
EMPLOYMENT GROWTH
1983-1993 By Town

	JOB CHANGE		RANK BY	
TOWN	level change	% change	level change	% change
Griswold	-250	-13.4%	139	157
Groton	-2,190	-6.8%	161	145
Montville	-750	-20.1%	155	164
New London	-330	-1.8%	147	135
North Stonington	30	2.3%	126	126
Norwich	-1,430	-8.5%	158	151
Sprague	-160	-14.7%	137	158
Voluntown	10	7.7%	128	114
Waterford	410	3.9%	65	123

Source: *Connecticut Economic Monitor*, Vol. 2, No. 3, March 1995, pp. 3-4.

Clearly, there are towns within New London County that have experienced positive job growth and are ranked within the upper half of the towns within Connecticut with respect to level of job growth and percent job growth. The notable example is Ledyard where the Foxwood Casino is located. While Foxwood has clearly help the unemployment rate within New London County, it cannot or nor should it absorb all the workers let loose by Electric Boat and the Naval Undersea Warfare Center. There is a clear mismatch of skills. Workers at Electric Boat and the Naval Undersea Warfare Center are skilled craftsmen and scientists. Foxwood needs dealers, car attendants, waiters, accountants, etc. To employ the workers of Electric Boat and the Naval Undersea Warfare Center at Foxwood would be to have them underemployed. They would not be using the skills that they possess. These workers in order to continue to contribute to society at the value of their skills must leave the area. When they leave, they take with them their income and all the jobs it supports.

In sum, the peace dividend has been no dividend for New London County. It has been instead a peace tax. The people of New London with the proposals now before this Commission coupled with the impact of the defense cuts which they have already suffered or are scheduled to suffer in the future will pay a peace tax of over $8.3 billion 1995 dollars in gross regional product and $10.9 billion current dollars of personal income. This is a pretty severe rate of taxation for one county to bear.

APPENDIX MODEL DETAILS

CASE A - NEW LONDON COUNTY

(IN THE FOLLOWING TABLES, "87$" REPRESENTS USER DEFINED "1995$")

TABLE 1: SUPER SUMMARY TABLE.
(TABLE # REFERENCES IN PARENTHESES)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
TOTAL EMPLOYMENT (3)	-6.485	-11.533	-14.673	-15.768	-15.861	-15.609	-15.319	-15.092	-14.923	-14.766
EMP % OF US	-.004	-.008	-.010	-.010	-.010	-.010	-.010	-.009	-.009	-.009
TOT PRIV NF EMPLYT (2)	-6.426	-11.267	-14.096	-14.844	-14.562	-14.116	-13.733	-13.434	-13.208	-13.015
PR NF EMP % OF US	-.005	-.009	-.011	-.011	-.011	-.011	-.010	-.010	-.010	-.009
GRP 1987 $ (5)	-.453	-.793	-1.002	-1.068	-1.058	-1.033	-1.010	-.991	-.976	-.951
PERSONAL INCOME (4)	-.313	-.595	-.826	-.980	-1.091	-1.190	-1.291	-1.404	-1.533	-1.674
PERS INC % OF US	-.005	-.009	-.011	-.012	-.012	-.012	-.012	-.012	-.012	-.012
DISPOSABLE INCOME (4)	-.250	-.476	-.662	-.787	-.879	-.961	-1.045	-1.139	-1.246	-1.361
PCE-PRICE INDX-87 (4)	-.941	-1.872	-2.783	-3.452	-3.902	-4.192	-4.382	-4.527	-4.664	-4.813
REAL DISP INCOME (4)	-.150	-.271	-.355	-.395	-.412	-.422	-.429	-.436	-.444	-.449
POPULATION (3)	-3.097	-6.764	-11.042	-14.796	-17.806	-19.817	-21.206	-22.234	-22.972	-23.460
POP AS % OF US	-.001	-.003	-.004	-.005	-.006	-.007	-.008	-.008	-.008	-.008

NOTE - For all tables: EMPLOYMENT & POPULATION are in THOUSANDS of people,
DOLLAR concepts are in BILLIONS OF 87$*PCE-P DOLLARS unless otherwise indicated
and PER CAPITA concepts are in THOUSANDS OF REAL DOLLARS.

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CASE A - NEW LONDON COUNTY

TABLE 2: SUMMARY TABLE FOR PRIVATE NONFARM SECTORS.
(DETAILED TABLE # REF IN PARENS-(10 SECT,49 SECT))

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
PRIVATE NONFARM EMPLOYMENT (IN THOUSANDS OF PEOPLE) AND ITS DECOMPOSTION BY SOURCE OF DEMAND:										
TOTAL EMPLYMNT (7,18)	-6.426	-11.267	-14.096	-14.844	-14.562	-14.116	-13.733	-13.434	-13.208	-13.015
INTERMEDIATE (7,19)	-.924	-1.618	-2.003	-2.067	-1.979	-1.869	-1.776	-1.703	-1.646	-1.585
LOCAL CONSUM (7,20)	-1.416	-2.512	-3.201	-3.459	-3.507	-3.489	-3.466	-3.453	-3.450	-3.456
GOVT DEMAND (7,21)	.001	.001	.001	.001	.001	.001	.001	.000	-.002	-.003
INVEST ACTVTY (8,22)	-.371	-.633	-.760	-.760	-.697	-.624	-.557	-.499	-.450	-.397
EXPORT TO US (8,23)	.187	.404	.686	.985	1.265	1.509	1.709	1.865	1.983	2.069
EXP - MULTREG (8,24)	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
EXOGENOUS (8,25)	-3.904	-6.909	-8.819	-9.544	-9.644	-9.644	-9.644	-9.644	-9.644	-9.644
COSTS AND SELLING PRICES RELATIVE TO THE U.S.:										
SELLING PRICE (9,26)	-.00478	-.00916	-.01306	-.01550	-.01668	-.01696	-.01670	-.01618	-.01556	-.01490
FACTOR INPUTS (9,27)	-.01290	-.02422	-.03380	-.03961	-.04235	-.04313	-.04275	-.04180	-.04063	-.03937
LABOR (9,28)	-.02007	-.03700	-.05053	-.05830	-.06176	-.06254	-.06180	-.06030	-.05853	-.05665
FUEL (9,29)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
CAPITAL (10,30)	-.00332	-.00668	-.01029	-.01299	-.01458	-.01533	-.01545	-.01524	-.01487	-.01444
INTRMED INPUTS (10,31)	-.00459	-.00898	-.01311	-.01583	-.01725	-.01769	-.01753	-.01707	-.01647	-.01581
OTHER VARIABLES:										
REL PROD MFG (10,32)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
REL PROF MFG (10,33)	.00919	.01730	.02424	.02863	.03093	.03188	.03202	.03174	.03126	.03068
LABOR INTENSTY (11,34)	.00087	.00189	.00322	.00464	.00602	.00729	.00844	.00945	.01034	.01112
MULT ADJ (11,35)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
EMP % OF U.S. (11,36)	-.005	-.009	-.011	-.011	-.011	-.011	-.010	-.010	-.010	-.009
RPC=SS/DEMAND (11,37)	.003	.005	.006	.007	.008	.008	.008	.008	.008	.008
AVG WAGE-THOUS (12,38)	-1.131	-2.179	-3.006	-3.495	-3.795	-4.047	-4.296	-4.568	-4.876	-5.218
INDL MIX INDX (12,39)	-.00490	-.00594	-.00296	.00224	.00755	.01137	.01416	.01658	.01880	.02053
IN BILLIONS OF 1987 $'S:										
DEMAND (12,40)	-.67739	-1.19002	-1.50680	-1.60999	-1.59919	-1.56360	-1.52945	-1.50267	-1.48190	-1.43946
IMPORTS (12,41)	-.45763	-.80267	-1.01990	-1.09507	-1.09188	-1.07211	-1.05266	-1.03715	-1.02459	-.99236
SELF SUPPLY (13,42)	-.21976	-.38735	-.48691	-.51493	-.50731	-.49149	-.47678	-.46552	-.45731	-.44710
EXPORTS (13,43)	.02306	.04981	.08461	.12133	.15558	.18503	.20878	.22704	.24046	.24800
INTRA-REG TRD (13,44)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
EXOGENOUS PRDN (13,45)	-.57107	-1.00235	-1.28423	-1.39421	-1.40596	-1.40047	-1.39511	-1.39035	-1.38469	-1.35952
OUTPUT (14,46)	-.76778	-1.33989	-1.68653	-1.78781	-1.75769	-1.70693	-1.66311	-1.62884	-1.60154	-1.55862
GRP(VAL ADDED) (14,47)	-.43887	-.76552	-.96185	-1.01817	-1.00059	-.97092	-.94492	-.92394	-.90665	-.88075
IN BILLIONS OF NOMINAL $'S:										
WAGE&SAL DISB (14,48)	-.28423	-.53046	-.71521	-.82127	-.88521	-.94329	-1.00628	-1.07948	-1.16545	-1.26075

CASE A - NEW LONDON COUNTY

TABLE 3: EMPLOYMENT TABLE. (IN THOUSANDS OF PEOPLE)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
MANUFACTURE	-3.277	-5.679	-7.218	-7.752	-7.668	-7.511	-7.386	-7.293	-7.227	-7.174
AS A % OF U.S.	-.017	-.030	-.038	-.041	-.041	-.040	-.040	-.039	-.039	-.039
DURABLES	-3.277	-5.693	-7.265	-7.845	-7.806	-7.687	-7.592	-7.521	-7.471	-7.428
NONDURABLES	.000	.013	.047	.093	.138	.176	.206	.229	.244	.255
NON MANUFACTURE	-3.149	-5.587	-6.878	-7.092	-6.893	-6.605	-6.347	-6.141	-5.982	-5.841
AS A % OF U.S.	-.003	-.005	-.006	-.006	-.006	-.006	-.005	-.005	-.005	-.005
MINING	-.002	-.003	-.003	-.002	-.001	.000	.001	.002	.002	.003
CONT CONSTRUCTION	-.286	-.492	-.594	-.594	-.547	-.489	-.437	-.393	-.355	-.322
TRANSPORT +PUB UT	-.105	-.179	-.218	-.221	-.206	-.189	-.174	-.162	-.152	-.143
FINANCE, INS,+ RE	-.156	-.265	-.313	-.302	-.263	-.219	-.177	-.140	-.108	-.078
RETAIL TRADE	-.816	-1.434	-1.801	-1.909	-1.895	-1.848	-1.805	-1.773	-1.751	-1.733
WHOLESALE TRADE	-.099	-.170	-.209	-.215	-.204	-.189	-.177	-.166	-.158	-.150
SERVICES	-1.664	-3.006	-3.695	-3.804	-3.739	-3.637	-3.550	-3.484	-3.439	-3.399
AGRI/FOR/FISH SVC	-.022	-.037	-.045	-.044	-.039	-.034	-.029	-.025	-.022	-.019
TOTAL GOVERNMENT	-.059	-.266	-.577	-.924	-1.299	-1.493	-1.586	-1.658	-1.714	-1.751
AS A % OF U.S.	.000	-.001	-.003	-.004	-.006	-.007	-.007	-.007	-.007	-.007
ST AND LOCAL GOVT	-.180	-.396	-.652	-.881	-1.069	-1.200	-1.293	-1.365	-1.421	-1.458
FED. GOVT. CIVI.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
FED. GOVT. MILI.	.121	.130	.075	-.043	-.230	-.293	-.293	-.293	-.293	-.293
FARM EMPLOYMENT	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
AS A % OF U.S.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL EMPLOYMENT	-6.485	-11.533	-14.673	-15.768	-15.861	-15.609	-15.319	-15.092	-14.923	-14.766
AS A % OF U.S.	-.004	-.008	-.010	-.010	-.010	-.010	-.010	-.009	-.009	-.009
POPULATION	-3.097	-6.764	-11.042	-14.796	-17.806	-19.817	-21.206	-22.234	-22.972	-23.460
AS A % OF U.S.	-.001	-.003	-.004	-.005	-.006	-.007	-.008	-.008	-.008	-.008

CASE A - NEW LONDON COUNTY

TABLE 4: PERSONAL INCOME TABLE. (IN BILLIONS OF DOLLARS)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
WAGE AND SAL DISB	-.29565	-.55820	-.76314	-.89020	-.97671	-1.05107	-1.12688	-1.21337	-1.31378	-1.42394
PROPRIETORS INCOME*	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
OTHER LABOR INCOME	-.04400	-.08082	-.10689	-.11976	-.12559	-.13054	-.13654	-.14423	-.15383	-.16481
DERIVATION OF PERSONAL INCOME BY PLACE OF RESIDENCE:										
TOT LABOR+ PROP INC	-.33965	-.63902	-.87003	-1.00996	-1.10230	-1.18161	-1.26342	-1.35760	-1.46761	-1.58875
AS A % OF U.S.	-.007	-.013	-.016	-.017	-.017	-.017	-.017	-.016	-.016	-.015
LESS SOC INSR CNT	-.02421	-.04584	-.06285	-.07352	-.08087	-.08724	-.09375	-.10116	-.10975	-.11917
PLUS RESID ADJ	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
PLUS DIV,INT,RENT	-.00882	-.01935	-.03248	-.04532	-.05698	-.06810	-.07919	-.09058	-.10275	-.11533
PLUS TRANSFER PAY	.01145	.01729	.01350	.00215	-.01236	-.02719	-.04203	-.05708	-.07281	-.08907
PERSONAL INCOME	-.31280	-.59524	-.82616	-.97961	-1.09076	-1.18966	-1.29089	-1.40411	-1.53343	-1.67399
AS A % OF U.S.	-.005	-.009	-.011	-.012	-.012	-.012	-.012	-.012	-.012	-.012
LESS TAXES	-.06325	-.11965	-.16423	-.19228	-.21148	-.22824	-.24548	-.26507	-.28772	-.31250
DISPOSABLE PER. INC	-.24955	-.47559	-.66193	-.78733	-.87929	-.96142	-1.04541	-1.13904	-1.24571	-1.36148
PCE - PRICE INDEX	-.941	-1.872	-2.783	-3.452	-3.902	-4.192	-4.382	-4.527	-4.664	-4.813
REAL DIS PER INC$87	-.14994	-.27139	-.35466	-.39473	-.41240	-.42199	-.42923	-.43635	-.44353	-.44865
AS A % OF U.S.	-.004	-.007	-.009	-.009	-.010	-.010	-.009	-.009	-.009	-.009
R.D. INCOME PER/CAP	-.41650	-.67863	-.73868	-.64327	-.49463	-.37258	-.28279	-.21539	-.16769	-.13620
BREAKDOWN OF LABOR AND PROPRIETOR'S INCOME:										
MANUFACTURE	-.18727	-.34190	-.46274	-.53493	-.57410	-.61146	-.65432	-.70514	-.76505	-.83210
DURABLES	-.18305	-.33409	-.45257	-.52427	-.56437	-.60357	-.64879	-.70225	-.76488	-.83471
NONDURABLES	-.00421	-.00781	-.01018	-.01066	-.00973	-.00789	-.00552	-.00289	-.00017	.00261
NON MANUFACTURE	-.13969	-.26646	-.35433	-.39895	-.42755	-.45145	-.47594	-.50433	-.53820	-.57564
MINING	-.00015	-.00027	-.00035	-.00036	-.00034	-.00030	-.00026	-.00022	-.00018	-.00014
CONT CONSTRUCTION	-.01497	-.02739	-.03574	-.03921	-.03990	-.03967	-.03933	-.03922	-.03940	-.03974
TRANSPORT+ PUB UT	-.00719	-.01344	-.01834	-.02110	-.02243	-.02312	-.02359	-.02405	-.02462	-.02520
FINANCE,INS,+ RE	-.00376	-.00712	-.00979	-.01125	-.01181	-.01187	-.01164	-.01126	-.01081	-.01027
RETAIL TRADE	-.01786	-.03361	-.04600	-.05333	-.05754	-.06047	-.06307	-.06590	-.06925	-.07287
WHOLESALE TRADE	-.00482	-.00894	-.01212	-.01387	-.01461	-.01500	-.01530	-.01561	-.01602	-.01641
SERVICES	-.09048	-.17482	-.23085	-.25854	-.27959	-.29970	-.32149	-.34683	-.37670	-.40983
AGRI/FOR/FISH	-.00045	-.00085	-.00114	-.00128	-.00132	-.00131	-.00128	-.00124	-.00121	-.00117
TOTAL GOVERNMENT	-.01270	-.03066	-.05296	-.07607	-.10065	-.11870	-.13316	-.14814	-.16436	-.18101
ST AND LOCAL GOVT	-.01411	-.03020	-.04854	-.06556	-.08093	-.09435	-.10680	-.11960	-.13334	-.14726
FED GOVT CIVILIAN	-.00249	-.00490	-.00714	-.00884	-.01010	-.01112	-.01199	-.01287	-.01384	-.01486
FED GOVT MILITARY	.00390	.00444	.00273	-.00167	-.00962	-.01324	-.01437	-.01567	-.01718	-.01889
FARM	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

* IF ALL 0.0'S THEN PROPRIETORS INCOME HAS BEEN MERGED INTO OTHER LABOR INCOME.

CASE A - NEW LONDON COUNTY

TABLE 5: GRP BY FINAL DEMAND TABLE.
(BILLIONS OF 87 US DOLLARS-RECONCILED WITH VALUE ADDED)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
TOTAL GRP	-.45294	-.79299	-1.00224	-1.06837	-1.05777	-1.03276	-1.00994	-.99134	-.97587	-.95089
TOTAL CONSUMPTION	-.19172	-.34518	-.44843	-.49632	-.51599	-.52561	-.53245	-.53930	-.54628	-.55078
AUTOS AND PARTS	-.01021	-.01838	-.02386	-.02640	-.02744	-.02794	-.02829	-.02865	-.02901	-.02924
FURN & HSEHLD EQ.	-.01186	-.02126	-.02751	-.03032	-.03140	-.03187	-.03218	-.03250	-.03281	-.03300
OTHER DURABLES	-.00435	-.00794	-.01046	-.01174	-.01235	-.01273	-.01303	-.01332	-.01363	-.01385
FOOD & BEVERAGES	-.03036	-.05414	-.06968	-.07643	-.07878	-.07959	-.08004	-.08049	-.08093	-.08112
CLOTHING & SHOES	-.01080	-.01948	-.02535	-.02811	-.02927	-.02986	-.03029	-.03072	-.03116	-.03145
GASOLINE & OIL	-.00439	-.00770	-.00973	-.01048	-.01061	-.01054	-.01043	-.01032	-.01021	-.01009
FUEL OIL & COAL	-.00231	-.00392	-.00479	-.00497	-.00485	-.00463	-.00441	-.00420	-.00397	-.00377
OTHER NONDURABLES	-.01511	-.02719	-.03529	-.03902	-.04053	-.04125	-.04176	-.04227	-.04278	-.04311
HOUSING	-.02533	-.04518	-.05816	-.06380	-.06577	-.06645	-.06683	-.06721	-.06758	-.06775
HSEHLD OPERATION	-.01165	-.02099	-.02730	-.03024	-.03147	-.03208	-.03252	-.03297	-.03342	-.03371
TRANSPORTATION	-.00706	-.01279	-.01671	-.01860	-.01944	-.01991	-.02026	-.02060	-.02096	-.02121
HEALTH SERVICES	-.02638	-.04816	-.06338	-.07103	-.07471	-.07693	-.07868	-.08043	-.08223	-.08351
OTHER SERVICES	-.03190	-.05806	-.07620	-.08518	-.08937	-.09182	-.09373	-.09563	-.09759	-.09897
TOTAL FIXED INVEST	-.14832	-.25612	-.31508	-.32339	-.30476	-.28069	-.25787	-.23798	-.22079	-.20522
RESIDENTIAL	-.04473	-.07700	-.09256	-.09247	-.08563	-.07738	-.06983	-.06337	-.05770	-.05274
NON RESIDENTIAL	-.02526	-.04289	-.05233	-.05336	-.04980	-.04546	-.04143	-.03793	-.03491	-.03225
PROD. DUR. EQUIP.	-.07833	-.13624	-.17019	-.17756	-.16934	-.15785	-.14660	-.13667	-.12818	-.12023
CBI NET IVA + MISC	-.01006	-.01628	-.01928	-.01925	-.01771	-.01607	-.01461	-.01328	-.01201	.00291
GRPVA-GRPFD	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
TOTAL GOVERNMENT	-.00941	-.02091	-.03469	-.04724	-.05771	-.06521	-.07071	-.07510	-.07867	-.08111
FED GOV MILITARY	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
FED GOV CIVILIAN	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
ST/LOC GOV EDUC.	-.00416	-.00932	-.01559	-.02140	-.02633	-.02996	-.03269	-.03492	-.03680	-.03811
ST/LOC HLTH/WLFAR	-.00135	-.00285	-.00451	-.00585	-.00682	-.00735	-.00763	-.00776	-.00776	-.00770
ST/LOC SAFETY	-.00101	-.00228	-.00385	-.00532	-.00659	-.00755	-.00829	-.00890	-.00943	-.00980
ST/LOC MISCEL	-.00290	-.00646	-.01074	-.01467	-.01796	-.02035	-.02211	-.02353	-.02470	-.02550
TOTAL EXPORTS	-.54804	-.95260	-1.19972	-1.27303	-1.25055	-1.21564	-1.18655	-1.16356	-1.14448	-1.11178
EXOGENOUS EXP	-.57107	-1.00235	-1.28423	-1.39421	-1.40596	-1.40047	-1.39511	-1.39035	-1.38469	-1.35952
ENDOGENOUS EXP	.02303	.04975	.08451	.12119	.15541	.18483	.20856	.22680	.24021	.24774
TOTAL IMPORTS	-.45463	-.79809	-1.01496	-1.09085	-1.08895	-1.07047	-1.05224	-1.03787	-1.02637	-.99510
TOT GRP BY VAL ADD	-.45294	-.79299	-1.00224	-1.06837	-1.05777	-1.03276	-1.00994	-.99134	-.97587	-.95089
TOT PRIV NF VAL AD	-.43887	-.76552	-.96186	-1.01817	-1.00059	-.97092	-.94492	-.92394	-.90665	-.88075
TOT GOV	-.01406	-.02747	-.04039	-.05020	-.05719	-.06184	-.06502	-.06740	-.06921	-.07014
TOT FARM VAL ADDED	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

CASE A - CONNECTICUT

(IN THE FOLLOWING TABLES, "87$" REPRESENTS USER DEFINED "1995$")

TABLE 1: SUPER SUMMARY TABLE.
(TABLE # REFERENCES IN PARENTHESES)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
TOTAL EMPLOYMENT (3)	-10.337	-18.333	-23.258	-24.794	-24.587	-23.958	-23.375	-22.935	-22.637	-22.261
EMP % OF US	-.008	-.014	-.018	-.019	-.019	-.018	-.017	-.017	-.016	-.016
TOT PRIV NF EMPLYT(2)	-10.168	-17.832	-22.290	-23.327	-22.617	-21.691	-20.936	-20.364	-19.962	-19.520
PR NF EMP % OF US	-.010	-.017	-.021	-.022	-.021	-.020	-.019	-.018	-.018	-.017
GRP 1987 $ (5)	-.888	-1.552	-1.940	-2.036	-1.980	-1.902	-1.834	-1.778	-1.736	-1.679
PERSONAL INCOME (4)	-.660	-1.266	-1.760	-2.071	-2.271	-2.444	-2.623	-2.826	-3.065	-3.314
PERS INC % OF US	-.010	-.018	-.024	-.026	-.026	-.026	-.025	-.025	-.024	-.024
DISPOSABLE INCOME (4)	-.529	-1.017	-1.416	-1.671	-1.838	-1.983	-2.132	-2.301	-2.500	-2.706
PCE-PRICE INDX-87 (4)	-.129	-.261	-.398	-.504	-.573	-.615	-.641	-.661	-.680	-.699
REAL DISP INCOME (4)	-.295	-.534	-.692	-.758	-.774	-.779	-.783	-.787	-.794	-.795
POPULATION (3)	-5.201	-11.240	-18.423	-24.956	-30.260	-34.045	-36.762	-38.768	-40.218	-41.160
POP AS % OF US	-.002	-.004	-.007	-.009	-.011	-.012	-.013	-.014	-.014	-.014

NOTE - For all tables: EMPLOYMENT & POPULATION are in THOUSANDS of people,
DOLLAR concepts are in BILLIONS OF 87$*PCE-P DOLLARS unless otherwise indicated
and PER CAPITA concepts are in THOUSANDS OF REAL DOLLARS.

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CASE A - CONNECTICUT

TABLE 2: SUMMARY TABLE FOR PRIVATE NONFARM SECTORS.
(DETAILED TABLE # REF IN PARENS-(10 SECT,49 SECT))

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
PRIVATE NONFARM EMPLOYMENT (IN THOUSANDS OF PEOPLE) AND ITS DECOMPOSTION BY SOURCE OF DEMAND:										
TOTAL EMPLYMNT (7,18)	-10.168	-17.832	-22.290	-23.327	-22.617	-21.691	-20.936	-20.364	-19.962	-19.520
INTERMEDIATE (7,19)	-2.990	-5.223	-6.531	-6.819	-6.554	-6.227	-5.963	-5.760	-5.617	-5.449
LOCAL CONSUM (7,20)	-2.573	-4.601	-5.838	-6.206	-6.142	-5.989	-5.862	-5.771	-5.719	-5.663
GOVT DEMAND (7,21)	.003	.004	.006	.007	.007	.008	.007	.005	.001	-.003
INVEST ACTVTY(8,22)	-.896	-1.520	-1.821	-1.794	-1.604	-1.400	-1.222	-1.072	-.949	-.772
EXPORT TO US (8,23)	.191	.416	.714	1.030	1.320	1.561	1.746	1.879	1.967	2.010
EXP - MULTREG(8,24)	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
EXOGENOUS (8,25)	-3.904	-6.909	-8.819	-9.544	-9.644	-9.644	-9.644	-9.644	-9.644	-9.644
COSTS AND SELLING PRICES RELATIVE TO THE U.S.:										
SELLING PRICE (9,26)	-.00085	-.00165	-.00240	-.00289	-.00311	-.00316	-.00310	-.00300	-.00287	-.00273
FACTOR INPUTS (9,27)	-.00156	-.00297	-.00426	-.00506	-.00538	-.00540	-.00525	-.00502	-.00477	-.00450
LABOR (9,28)	-.00261	-.00483	-.00667	-.00772	-.00808	-.00801	-.00770	-.00730	-.00687	-.00643
FUEL (9,29)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
CAPITAL (10,30)	-.00046	-.00096	-.00153	-.00198	-.00225	-.00237	-.00240	-.00237	-.00232	-.00226
INTRMED INPUTS(10,31)	-.00072	-.00143	-.00214	-.00262	-.00285	-.00290	-.00285	-.00276	-.00264	-.00252
OTHER VARIABLES:										
REL PROD MFG (10,32)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
REL PROF MFG (10,33)	.00091	.00174	.00250	.00299	.00322	.00327	.00322	.00312	.00300	.00287
LABOR INTENSTY(11,34)	.00006	.00012	.00020	.00030	.00038	.00046	.00053	.00058	.00063	.00066
MULT ADJ (11,35)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
EMP % OF U.S. (11,36)	-.010	-.017	-.021	-.022	-.021	-.020	-.019	-.018	-.018	-.017
RPC=SS/DEMAND (11,37)	.000	.001	.001	.001	.001	.001	.001	.001	.002	.002
AVG WAGE-THOUS(12,38)	-.149	-.289	-.404	-.477	-.523	-.557	-.587	-.617	-.651	-.687
INDL MIX INDX (12,39)	-.00045	-.00061	-.00045	-.00006	.00038	.00069	.00091	.00108	.00123	.00134
IN BILLIONS OF 1987 $'S:										
DEMAND (12,40)	-1.63488	-2.88878	-3.67239	-3.91757	-3.86046	-3.75284	-3.66062	-3.59046	-3.54399	-3.44013
IMPORTS (12,41)	-.76623	-1.36014	-1.75144	-1.90152	-1.90933	-1.89040	-1.87355	-1.86177	-1.85654	-1.82098
SELF SUPPLY (13,42)	-.86865	-1.52864	-1.92095	-2.01605	-1.95114	-1.86244	-1.78708	-1.72870	-1.68746	-1.61915
EXPORTS (13,43)	.03648	.08106	.14196	.20892	.27287	.32875	.37431	.40990	.43705	.45377
INTRA-REG TRD (13,44)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
EXOGENOUS PRDN(13,45)	-.94796	-1.67520	-2.15734	-2.35799	-2.39226	-2.39943	-2.40672	-2.41351	-2.42229	-2.41432
OUTPUT (14,46)	-1.78013	-3.12278	-3.93632	-4.16512	-4.07053	-3.93312	-3.81948	-3.73230	-3.67269	-3.57971
GRP(VAL ADDED) (14,47)	-.85079	-1.48664	-1.85516	-1.93860	-1.87229	-1.78573	-1.71115	-1.65044	-1.60386	-1.54547
IN BILLIONS OF NOMINAL $'S:										
WAGE&SAL DISB (14,48)	-.58350	-1.10771	-1.51023	-1.73590	-1.85731	-1.95717	-2.06425	-2.19154	-2.34796	-2.51061

CASE A - CONNECTICUT

TABLE 3: EMPLOYMENT TABLE. (IN THOUSANDS OF PEOPLE)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
MANUFACTURE	-4.232	-7.301	-9.205	-9.790	-9.588	-9.306	-9.084	-8.918	-8.798	-8.641
AS A % OF U.S.	-.023	-.039	-.050	-.053	-.053	-.052	-.051	-.051	-.050	-.050
DURABLES	-4.067	-7.022	-8.886	-9.498	-9.354	-9.127	-8.948	-8.814	-8.716	-8.575
NONDURABLES	-.166	-.278	-.319	-.291	-.234	-.179	-.135	-.104	-.082	-.066
NON MANUFACTURE	-5.936	-10.531	-13.085	-13.537	-13.029	-12.386	-11.853	-11.446	-11.164	-10.879
AS A % OF U.S.	-.007	-.012	-.015	-.015	-.014	-.013	-.013	-.012	-.012	-.011
MINING	-.003	-.005	-.006	-.006	-.005	-.004	-.003	-.002	-.002	-.001
CONT CONSTRUCTION	-.576	-.996	-1.216	-1.223	-1.122	-1.007	-.905	-.820	-.751	-.686
TRANSPORT +PUB UT	-.257	-.445	-.544	-.552	-.515	-.473	-.438	-.411	-.390	-.370
FINANCE, INS,+ RE	-.398	-.690	-.842	-.848	-.784	-.711	-.651	-.604	-.569	-.538
RETAIL TRADE	-1.333	-2.356	-2.957	-3.102	-3.016	-2.893	-2.792	-2.717	-2.668	-2.615
WHOLESALE TRADE	-.425	-.733	-.899	-.914	-.849	-.775	-.714	-.665	-.627	-.592
SERVICES	-2.908	-5.242	-6.541	-6.809	-6.660	-6.448	-6.280	-6.160	-6.091	-6.011
AGRI/FOR/FISH SVC	-.036	-.064	-.080	-.083	-.079	-.074	-.070	-.067	-.066	-.065
TOTAL GOVERNMENT	-.169	-.501	-.968	-1.467	-1.970	-2.267	-2.439	-2.571	-2.674	-2.741
AS A % OF U.S.	-.001	-.002	-.004	-.007	-.009	-.010	-.011	-.011	-.011	-.011
ST AND LOCAL GOVT	-.290	-.631	-1.043	-1.424	-1.740	-1.974	-2.146	-2.278	-2.381	-2.448
FED. GOVT. CIVI.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
FED. GOVT. MILI.	.121	.130	.075	-.043	-.230	-.293	-.293	-.293	-.293	-.293
FARM EMPLOYMENT	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
AS A % OF U.S.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL EMPLOYMENT	-10.337	-18.333	-23.258	-24.794	-24.587	-23.958	-23.375	-22.935	-22.637	-22.261
AS A % OF U.S.	-.008	-.014	-.018	-.019	-.019	-.018	-.017	-.017	-.016	-.016
POPULATION	-5.201	-11.240	-18.423	-24.956	-30.260	-34.045	-36.762	-38.768	-40.218	-41.160
AS A % OF U.S.	-.002	-.004	-.007	-.009	-.011	-.012	-.013	-.014	-.014	-.014

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TABLE 4: PERSONAL INCOME TABLE. (IN BILLIONS OF DOLLARS)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
WAGE AND SAL DISB	-.60939	-1.16457	-1.60347	-1.86439	-2.01909	-2.14611	-2.27696	-2.42854	-2.61127	-2.80040
PROPRIETORS INCOME*	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
OTHER LABOR INCOME	-.10256	-.18831	-.24688	-.27215	-.27956	-.28544	-.29463	-.30832	-.32721	-.34780
DERIVATION OF PERSONAL INCOME BY PLACE OF RESIDENCE:										
TOT LABOR+ PROP INC	-.71195	-1.35287	-1.85035	-2.13654	-2.29865	-2.43156	-2.57159	-2.73686	-2.93849	-3.14819
AS A % OF U.S.	-.015	-.027	-.035	-.037	-.037	-.035	-.034	-.033	-.032	-.031
LESS SOC INSR CNT	-.05694	-.10921	-.15093	-.17613	-.19141	-.20413	-.21725	-.23239	-.25058	-.26940
PLUS RESID ADJ	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
PLUS DIV,INT,RENT	-.01956	-.04299	-.07284	-.10309	-.13123	-.15805	-.18439	-.21115	-.23953	-.26863
PLUS TRANSFER PAY	.01442	.02068	.01272	-.00713	-.03246	-.05840	-.08415	-.11018	-.13743	-.16628
PERSONAL INCOME	-.66015	-1.26596	-1.75954	-2.07065	-2.27092	-2.44388	-2.62288	-2.82581	-3.06487	-3.31371
AS A % OF U.S.	-.010	-.018	-.024	-.026	-.026	-.026	-.025	-.025	-.024	-.024
LESS TAXES	-.13080	-.24935	-.34327	-.39946	-.43310	-.46131	-.49070	-.52464	-.56530	-.60752
DISPOSABLE PER. INC	-.52934	-1.01662	-1.41628	-1.67119	-1.83781	-1.98257	-2.13217	-2.30116	-2.49957	-2.70619
PCE - PRICE INDEX	-.129	-.261	-.398	-.504	-.573	-.615	-.641	-.661	-.680	-.699
REAL DIS PER INC$87	-.29456	-.53388	-.69214	-.75765	-.77446	-.77931	-.78271	-.78745	-.79436	-.79491
AS A % OF U.S.	-.007	-.013	-.016	-.018	-.018	-.017	-.017	-.017	-.017	-.017
R.D. INCOME PER/CAP	-.06117	-.10005	-.10743	-.08967	-.06345	-.04160	-.02523	-.01301	-.00423	.00268
BREAKDOWN OF LABOR AND PROPRIETOR'S INCOME:										
MANUFACTURE	-.29442	-.54373	-.74085	-.85663	-.91532	-.96821	-1.02883	-1.10185	-1.19013	-1.28074
DURABLES	-.28027	-.51713	-.70481	-.81631	-.87453	-.92863	-.99101	-1.06578	-1.15540	-1.24733
NONDURABLES	-.01415	-.02660	-.03604	-.04033	-.04078	-.03959	-.03782	-.03607	-.03473	-.03341
NON MANUFACTURE	-.39067	-.75010	-1.01248	-1.14599	-1.21452	-1.26591	-1.32017	-1.38673	-1.47226	-1.56337
MINING	-.00042	-.00075	-.00097	-.00103	-.00100	-.00094	-.00087	-.00082	-.00078	-.00074
CONT CONSTRUCTION	-.04236	-.07798	-.10275	-.11262	-.11354	-.11224	-.11125	-.11136	-.11290	-.11427
TRANSPORT+ PUB UT	-.01883	-.03539	-.04816	-.05486	-.05739	-.05842	-.05920	-.06020	-.06178	-.06337
FINANCE,INS,+ RE	-.03591	-.06874	-.09550	-.11071	-.11717	-.11981	-.12099	-.12215	-.12425	-.12613
RETAIL TRADE	-.03809	-.07247	-.09956	-.11473	-.12178	-.12608	-.12990	-.13441	-.14038	-.14644
WHOLESALE TRADE	-.03059	-.05725	-.07750	-.08769	-.09074	-.09149	-.09189	-.09272	-.09453	-.09627
SERVICES	-.22295	-.43455	-.58394	-.65962	-.70791	-.75180	-.80082	-.85965	-.93198	-1.01027
AGRI/FOR/FISH	-.00155	-.00297	-.00410	-.00473	-.00499	-.00513	-.00525	-.00541	-.00564	-.00589
TOTAL GOVERNMENT	-.02686	-.05904	-.09702	-.13392	-.16881	-.19742	-.22259	-.24828	-.27610	-.30409
ST AND LOCAL GOVT	-.02670	-.05675	-.09136	-.12381	-.15260	-.17809	-.20179	-.22593	-.25194	-.27797
FED GOVT CIVILIAN	-.00256	-.00503	-.00735	-.00907	-.01027	-.01117	-.01194	-.01270	-.01356	-.01445
FED GOVT MILITARY	.00241	.00274	.00169	-.00103	-.00594	-.00817	-.00886	-.00966	-.01061	-.01168
FARM	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

* IF ALL 0.0'S THEN PROPRIETORS INCOME HAS BEEN MERGED INTO OTHER LABOR INCOME.

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TABLE 5: GRP BY FINAL DEMAND TABLE.
(BILLIONS OF 87 US DOLLARS-RECONCILED WITH VALUE ADDED)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
TOTAL GRP	-.88765	-1.55177	-1.93955	-2.03613	-1.97998	-1.90195	-1.83393	-1.77811	-1.73552	-1.67880
TOTAL CONSUMPTION	-.40211	-.72708	-.94105	-1.02685	-1.04525	-1.04677	-1.04688	-1.04912	-1.05425	-1.05157
AUTOS AND PARTS	-.02131	-.03853	-.04988	-.05445	-.05544	-.05553	-.05555	-.05567	-.05596	-.05582
FURN & HSEHLD EQ.	-.02717	-.04839	-.06171	-.06634	-.06659	-.06577	-.06496	-.06431	-.06381	-.06300
OTHER DURABLES	-.00926	-.01695	-.02219	-.02449	-.02519	-.02548	-.02571	-.02598	-.02633	-.02644
FOOD & BEVERAGES	-.06253	-.11227	-.14431	-.15640	-.15819	-.15744	-.15658	-.15607	-.15594	-.15485
CLOTHING & SHOES	-.02318	-.04187	-.05412	-.05898	-.05997	-.05999	-.05994	-.06001	-.06025	-.06005
GASOLINE & OIL	-.00916	-.01613	-.02034	-.02162	-.02146	-.02096	-.02049	-.02008	-.01970	-.01927
FUEL OIL & COAL	-.00473	-.00808	-.00986	-.01013	-.00970	-.00914	-.00861	-.00813	-.00764	-.00720
OTHER NONDURABLES	-.03174	-.05733	-.07412	-.08079	-.08216	-.08220	-.08214	-.08224	-.08257	-.08231
HOUSING	-.05259	-.09434	-.12117	-.13121	-.13261	-.13188	-.13107	-.13055	-.13036	-.12938
HSEHLD OPERATION	-.02478	-.04477	-.05789	-.06312	-.06420	-.06425	-.06421	-.06431	-.06458	-.06438
TRANSPORTATION	-.01473	-.02682	-.03494	-.03837	-.03928	-.03956	-.03976	-.04004	-.04044	-.04049
HEALTH SERVICES	-.05457	-.10020	-.13161	-.14566	-.15023	-.15233	-.15403	-.15600	-.15846	-.15940
OTHER SERVICES	-.06637	-.12141	-.15891	-.17529	-.18024	-.18224	-.18382	-.18572	-.18820	-.18896
TOTAL FIXED INVEST	-.30208	-.52116	-.63707	-.64431	-.59413	-.53597	-.48368	-.43919	-.40226	-.36642
RESIDENTIAL	-.07491	-.12932	-.15446	-.15168	-.13686	-.12123	-.10785	-.09682	-.08778	-.07911
NON RESIDENTIAL	-.04979	-.08552	-.10488	-.10660	-.09854	-.08902	-.08036	-.07294	-.06674	-.06078
PROD. DUR. EQUIP.	-.17738	-.30632	-.37773	-.38602	-.35872	-.32572	-.29547	-.26942	-.24775	-.22653
CBI NET IVA + MISC	-.02303	-.03737	-.04433	-.04431	-.04066	-.03671	-.03307	-.02964	-.02635	.00629
GRPVA-GRPFD	-.00001	.00000	.00000	.00000	.00000	-.00001	-.00001	.00001	.00000	.00000
TOTAL GOVERNMENT	-.01609	-.03543	-.05913	-.08153	-.10052	-.11500	-.12600	-.13475	-.14193	-.14679
FED GOV MILITARY	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
FED GOV CIVILIAN	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
ST/LOC GOV EDUC.	-.00711	-.01579	-.02658	-.03695	-.04589	-.05286	-.05826	-.06266	-.06638	-.06896
ST/LOC HLTH/WLFAR	-.00230	-.00482	-.00767	-.01007	-.01184	-.01293	-.01357	-.01391	-.01399	-.01395
ST/LOC SAFETY	-.00173	-.00387	-.00657	-.00920	-.01150	-.01333	-.01477	-.01597	-.01700	-.01773
ST/LOC MISCEL	-.00495	-.01094	-.01831	-.02532	-.03129	-.03588	-.03939	-.04221	-.04455	-.04614
TOTAL EXPORTS	-.91156	-1.59424	-2.01554	-2.14932	-2.11974	-2.07105	-2.03284	-2.00403	-1.98572	-1.96101
EXOGENOUS EXP	-.94796	-1.67520	-2.15734	-2.35799	-2.39226	-2.39943	-2.40672	-2.41351	-2.42229	-2.41432
ENDOGENOUS EXP	.03641	.08096	.14180	.20867	.27252	.32838	.37388	.40948	.43657	.45331
TOTAL IMPORTS	-.76723	-1.36352	-1.75757	-1.91020	-1.92033	-1.90356	-1.88856	-1.87861	-1.87500	-1.84069
TOT GRP BY VAL ADD	-.88765	-1.55177	-1.93955	-2.03613	-1.97998	-1.90195	-1.83393	-1.77811	-1.73552	-1.67880
TOT PRIV NF VAL AD	-.85080	-1.48664	-1.85517	-1.93861	-1.87233	-1.78573	-1.71116	-1.65046	-1.60385	-1.54545
TOT GOV	-.03684	-.06513	-.08438	-.09752	-.10764	-.11622	-.12276	-.12765	-.13167	-.13336
TOT FARM VAL ADDED	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(IN THE FOLLOWING TABLES, "87$" REPRESENTS USER DEFINED "1995$")

TABLE 1: SUPER SUMMARY TABLE.
(TABLE # REFERENCES IN PARENTHESES)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
TOTAL EMPLOYMENT (3)	-5.817	-9.552	-10.771	-12.050	-12.297	-12.187	-12.025	-11.909	-11.833	-11.754
EMP % OF US	-.004	-.006	-.007	-.008	-.008	-.008	-.007	-.007	-.007	-.007
TOT PRIV NF EMPLYT (2)	-6.296	-10.916	-13.464	-14.420	-14.310	-14.020	-13.776	-13.594	-13.468	-13.353
PR NF EMP % OF US	-.005	-.009	-.011	-.011	-.011	-.010	-.010	-.010	-.010	-.010
GRP 1987 $ (5)	-.445	-.770	-.959	-1.035	-1.032	-1.014	-.998	-.985	-.974	-.952
PERSONAL INCOME (4)	-.289	-.518	-.662	-.799	-.895	-.979	-1.064	-1.159	-1.268	-1.387
PERS INC % OF US	-.005	-.008	-.009	-.010	-.010	-.010	-.010	-.010	-.010	-.010
DISPOSABLE INCOME (4)	-.230	-.414	-.530	-.642	-.721	-.790	-.861	-.940	-1.030	-1.128
PCE-PRICE INDX-87 (4)	-.840	-1.497	-1.913	-2.299	-2.583	-2.739	-2.810	-2.839	-2.857	-2.877
REAL DISP INCOME (4)	-.139	-.239	-.290	-.332	-.350	-.360	-.368	-.376	-.383	-.389
POPULATION (3)	-1.849	-2.930	-3.254	-6.664	-9.439	-11.285	-12.570	-13.543	-14.265	-14.765
POP AS % OF US	-.001	-.001	-.001	-.002	-.003	-.004	-.004	-.005	-.005	-.005

NOTE - For all tables: EMPLOYMENT & POPULATION are in THOUSANDS of people,
DOLLAR concepts are in BILLIONS OF 87$*PCE-P DOLLARS unless otherwise indicated
and PER CAPITA concepts are in THOUSANDS OF REAL DOLLARS.

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TABLE 2: SUMMARY TABLE FOR PRIVATE NONFARM SECTORS.
(DETAILED TABLE # REF IN PARENS-(10 SECT,49 SECT))

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
PRIVATE NONFARM EMPLOYMENT (IN THOUSANDS OF PEOPLE) AND ITS DECOMPOSTION BY SOURCE OF DEMAND:										
TOTAL EMPLYMNT (7,18)	-6.296	-10.916	-13.464	-14.420	-14.310	-14.020	-13.776	-13.594	-13.468	-13.353
INTERMEDIATE (7,19)	-.908	-1.577	-1.936	-2.047	-2.000	-1.928	-1.869	-1.824	-1.792	-1.750
LOCAL CONSUM (7,20)	-1.311	-2.213	-2.622	-2.942	-3.033	-3.053	-3.067	-3.087	-3.113	-3.142
GOVT DEMAND (7,21)	.003	.006	.012	.012	.011	.011	.011	.011	.009	.008
INVEST ACTVTY (8,22)	-.351	-.579	-.660	-.679	-.630	-.570	-.514	-.467	-.426	-.380
EXPORT TO US (8,23)	.175	.356	.562	.780	.985	1.163	1.307	1.417	1.498	1.554
EXP - MULTREG (8,24)	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
EXOGENOUS (8,25)	-3.904	-6.909	-8.819	-9.544	-9.644	-9.644	-9.644	-9.644	-9.644	-9.644
COSTS AND SELLING PRICES RELATIVE TO THE U.S.:										
SELLING PRICE (9,26)	-.00416	-.00709	-.00861	-.01019	-.01103	-.01116	-.01087	-.01038	-.00984	-.00927
FACTOR INPUTS (9,27)	-.01183	-.02056	-.02586	-.02992	-.03207	-.03268	-.03235	-.03157	-.03064	-.02965
LABOR (9,28)	-.01840	-.03159	-.03910	-.04515	-.04782	-.04842	-.04778	-.04657	-.04515	-.04366
FUEL (9,29)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
CAPITAL (10,30)	-.00304	-.00534	-.00703	-.00807	-.00932	-.00991	-.00998	-.00978	-.00948	-.00912
INTRMED INPUTS (10,31)	-.00401	-.00700	-.00882	-.01062	-.01165	-.01192	-.01172	-.01128	-.01076	-.01019
OTHER VARIABLES:										
REL PROD MFG (10,32)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
REL PROF MFG (10,33)	.00845	.01485	.01902	.02253	.02452	.02542	.02564	.02550	.02520	.02480
LABOR INTENSTY (11,34)	.00082	.00171	.00275	.00387	.00495	.00593	.00680	.00757	.00824	.00881
MULT ADJ (11,35)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
EMP % OF U.S. (11,36)	-.005	-.009	-.011	-.011	-.011	-.010	-.010	-.010	-.010	-.010
RPC=SS/DEMAND (11,37)	.003	.005	.007	.008	.008	.008	.008	.008	.008	.007
AVG WAGE-THOUS (12,38)	-1.099	-2.068	-2.753	-3.171	-3.419	-3.629	-3.841	-4.076	-4.346	-4.648
INDL MIX INDX (12,39)	-.00830	-.01637	-.02391	-.01917	-.01406	-.01030	-.00752	-.00509	-.00282	-.00105
IN BILLIONS OF 1987 $'S:										
DEMAND (12,40)	-.65177	-1.11685	-1.36579	-1.48635	-1.48702	-1.46203	-1.43746	-1.41899	-1.40499	-1.36765
IMPORTS (12,41)	-.44320	-.76120	-.93935	-1.02208	-1.02323	-1.00753	-.99181	-.97952	-.96952	-.93906
SELF SUPPLY (13,42)	-.20857	-.35564	-.42643	-.46426	-.46380	-.45450	-.44565	-.43946	-.43547	-.42860
EXPORTS (13,43)	.02162	.04376	.06908	.09595	.12125	.14303	.16050	.17376	.18330	.18826
INTRA-REG TRD (13,44)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
EXOGENOUS PRDN (13,45)	-.57109	-1.00243	-1.28450	-1.39467	-1.40659	-1.40125	-1.39602	-1.39137	-1.38580	-1.36069
OUTPUT (14,46)	-.75804	-1.31432	-1.64186	-1.76299	-1.74913	-1.71272	-1.68117	-1.65708	-1.63797	-1.60103
GRP(VAL ADDED) (14,47)	-.43301	-.74998	-.93436	-1.00168	-.99305	-.97128	-.95207	-.93675	-.92404	-.90153
IN BILLIONS OF NOMINAL $'S:										
WAGE&SAL DISB (14,48)	-.27761	-.51004	-.67237	-.77527	-.83699	-.89399	-.95651	-1.02944	-1.11495	-1.20952

CASE B - NEW LONDON COUNTY

TABLE 3: EMPLOYMENT TABLE. (IN THOUSANDS OF PEOPLE)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
MANUFACTURE	-3.282	-5.703	-7.282	-7.865	-7.824	-7.701	-7.603	-7.529	-7.477	-7.432
AS A % OF U.S.	-.017	-.030	-.039	-.042	-.042	-.041	-.041	-.041	-.041	-.041
DURABLES	-3.282	-5.714	-7.319	-7.933	-7.923	-7.827	-7.749	-7.689	-7.646	-7.607
NONDURABLES	.000	.011	.037	.068	.099	.126	.146	.160	.169	.174
NON MANUFACTURE	-3.014	-5.213	-6.182	-6.555	-6.486	-6.320	-6.173	-6.065	-5.991	-5.921
AS A % OF U.S.	-.003	-.005	-.006	-.006	-.006	-.006	-.005	-.005	-.005	-.005
MINING	-.002	-.003	-.002	-.002	-.001	.000	.000	.001	.001	.001
CONT CONSTRUCTION	-.267	-.440	-.495	-.515	-.481	-.438	-.397	-.363	-.334	-.308
TRANSPORT +PUB UT	-.100	-.168	-.197	-.207	-.199	-.187	-.178	-.170	-.164	-.158
FINANCE, INS,+ RE	-.148	-.245	-.279	-.284	-.258	-.227	-.198	-.172	-.149	-.127
RETAIL TRADE	-.766	-1.294	-1.535	-1.683	-1.698	-1.681	-1.665	-1.657	-1.657	-1.656
WHOLESALE TRADE	-.097	-.163	-.197	-.208	-.200	-.190	-.181	-.173	-.168	-.162
SERVICES	-1.614	-2.868	-3.439	-3.619	-3.612	-3.564	-3.526	-3.504	-3.496	-3.488
AGRI/FOR/FISH SVC	-.020	-.033	-.037	-.039	-.036	-.032	-.029	-.027	-.025	-.023
TOTAL GOVERNMENT	.480	1.363	2.693	2.370	2.013	1.834	1.751	1.686	1.634	1.599
AS A % OF U.S.	.002	.006	.012	.011	.009	.008	.008	.007	.007	.007
ST AND LOCAL GOVT	-.107	-.172	-.192	-.397	-.567	-.683	-.766	-.831	-.883	-.918
FED. GOVT. CIVI.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
FED. GOVT. MILI.	.587	1.535	2.885	2.767	2.580	2.517	2.517	2.517	2.517	2.517
FARM EMPLOYMENT	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
AS A % OF U.S.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL EMPLOYMENT	-5.817	-9.552	-10.771	-12.050	-12.297	-12.187	-12.025	-11.909	-11.833	-11.754
AS A % OF U.S.	-.004	-.006	-.007	-.008	-.008	-.008	-.007	-.007	-.007	-.007
POPULATION	-1.849	-2.930	-3.254	-6.664	-9.439	-11.285	-12.570	-13.543	-14.265	-14.765
AS A % OF U.S.	-.001	-.001	-.001	-.002	-.003	-.004	-.004	-.005	-.005	-.005

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TABLE 4: PERSONAL INCOME TABLE. (IN BILLIONS OF DOLLARS)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
WAGE AND SAL DISB	-.27084	-.47917	-.59460	-.70736	-.77981	-.83998	-.90077	-.97042	-1.05134	-1.13961
PROPRIETORS INCOME*	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
OTHER LABOR INCOME	-.04262	-.07674	-.09875	-.11258	-.11919	-.12491	-.13164	-.14001	-.15020	-.16172
DERIVATION OF PERSONAL INCOME BY PLACE OF RESIDENCE:										
TOT LABOR+ PROP INC	-.31346	-.55591	-.69335	-.81994	-.89900	-.96489	-1.03242	-1.11043	-1.20154	-1.30133
AS A % OF U.S.	-.007	-.011	-.013	-.014	-.014	-.014	-.014	-.013	-.013	-.013
LESS SOC INSR CNT	-.02218	-.03935	-.04897	-.05842	-.06457	-.06972	-.07494	-.08090	-.08783	-.09537
PLUS RESID ADJ	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
PLUS DIV,INT,RENT	-.00866	-.01867	-.03069	-.04236	-.05303	-.06325	-.07353	-.08419	-.09566	-.10759
PLUS TRANSFER PAY	.01119	.01687	.01339	.00456	-.00766	-.02021	-.03281	-.04563	-.05911	-.07316
PERSONAL INCOME	-.28876	-.51836	-.66169	-.79932	-.89512	-.97863	-1.06381	-1.15935	-1.26849	-1.38671
AS A % OF U.S.	-.005	-.008	-.009	-.010	-.010	-.010	-.010	-.010	-.010	-.010
LESS TAXES	-.05851	-.10455	-.13204	-.15744	-.17403	-.18817	-.20266	-.21916	-.23823	-.25900
DISPOSABLE PER. INC	-.23025	-.41381	-.52964	-.64188	-.72109	-.79045	-.86115	-.94019	-1.03026	-1.12771
PCE - PRICE INDEX	-.840	-1.497	-1.913	-2.299	-2.583	-2.739	-2.810	-2.839	-2.857	-2.877
REAL DIS PER INC$87	-.13901	-.23905	-.29031	-.33247	-.35050	-.36049	-.36822	-.37581	-.38330	-.38872
AS A % OF U.S.	-.004	-.006	-.007	-.008	-.008	-.008	-.008	-.008	-.008	-.008
R.D. INCOME PER/CAP	-.44862	-.78322	-.96317	-.91190	-.79527	-.70001	-.63074	-.57942	-.54354	-.51843
BREAKDOWN OF LABOR AND PROPRIETOR'S INCOME:										
MANUFACTURE	-.18618	-.33914	-.45811	-.53152	-.57216	-.61129	-.65609	-.70896	-.77093	-.84000
DURABLES	-.18237	-.33265	-.45077	-.52392	-.56541	-.60607	-.65281	-.70779	-.77192	-.84319
NONDURABLES	-.00382	-.00650	-.00734	-.00759	-.00674	-.00521	-.00328	-.00117	.00099	.00319
NON MANUFACTURE	-.13329	-.24637	-.31153	-.35311	-.37918	-.40139	-.42462	-.45182	-.48428	-.52001
MINING	-.00014	-.00024	-.00027	-.00029	-.00028	-.00025	-.00022	-.00019	-.00017	-.00014
CONT CONSTRUCTION	-.01390	-.02414	-.02905	-.03272	-.03350	-.03341	-.03323	-.03326	-.03356	-.03396
TRANSPORT+ PUB UT	-.00678	-.01211	-.01546	-.01786	-.01897	-.01956	-.01999	-.02045	-.02103	-.02162
FINANCE,INS,+ RE	-.00350	-.00626	-.00787	-.00899	-.00930	-.00921	-.00888	-.00844	-.00794	-.00736
RETAIL TRADE	-.01666	-.02978	-.03776	-.04414	-.04753	-.04986	-.05197	-.05435	-.05724	-.06036
WHOLESALE TRADE	-.00463	-.00832	-.01076	-.01230	-.01290	-.01323	-.01350	-.01381	-.01423	-.01462
SERVICES	-.08726	-.16479	-.20945	-.23580	-.25564	-.27483	-.29583	-.32034	-.34918	-.38106
AGRI/FOR/FISH	-.00042	-.00074	-.00091	-.00103	-.00105	-.00104	-.00100	-.00096	-.00093	-.00089
TOTAL GOVERNMENT	.00601	.02960	.07629	.06469	.05233	.04779	.04829	.05034	.05366	.05869
ST AND LOCAL GOVT	-.01063	-.01870	-.02329	-.03635	-.04799	-.05761	-.06613	-.07466	-.08363	-.09255
FED GOVT CIVILIAN	-.00226	-.00410	-.00534	-.00664	-.00759	-.00835	-.00898	-.00960	-.01030	-.01103
FED GOVT MILITARY	.01890	.05241	.10492	.10768	.10792	.11374	.12341	.13460	.14759	.16226
FARM	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

* IF ALL 0.0'S THEN PROPRIETORS INCOME HAS BEEN MERGED INTO OTHER LABOR INCOME.

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TABLE 5: GRP BY FINAL DEMAND TABLE.
(BILLIONS OF 87 US DOLLARS-RECONCILED WITH VALUE ADDED)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
TOTAL GRP	-.44459	-.76970	-.95875	-1.03461	-1.03212	-1.01450	-.99815	-.98502	-.97398	-.95239
TOTAL CONSUMPTION	-.17756	-.30360	-.36628	-.41783	-.43846	-.44896	-.45673	-.46445	-.47208	-.47720
AUTOS AND PARTS	-.00946	-.01616	-.01949	-.02223	-.02331	-.02386	-.02427	-.02467	-.02507	-.02533
FURN & HSEHLD EQ.	-.01098	-.01870	-.02247	-.02553	-.02669	-.02723	-.02761	-.02799	-.02835	-.02859
OTHER DURABLES	-.00403	-.00699	-.00855	-.00988	-.01050	-.01087	-.01117	-.01148	-.01178	-.01200
FOOD & BEVERAGES	-.02811	-.04762	-.05692	-.06434	-.06694	-.06799	-.06865	-.06932	-.06993	-.07028
CLOTHING & SHOES	-.01000	-.01713	-.02071	-.02366	-.02487	-.02551	-.02598	-.02646	-.02693	-.02725
GASOLINE & OIL	-.00407	-.00677	-.00795	-.00882	-.00902	-.00900	-.00895	-.00889	-.00882	-.00874
FUEL OIL & COAL	-.00214	-.00345	-.00391	-.00419	-.00412	-.00396	-.00379	-.00361	-.00343	-.00327
OTHER NONDURABLES	-.01400	-.02391	-.02882	-.03285	-.03444	-.03524	-.03582	-.03640	-.03697	-.03735
HOUSING	-.02346	-.03974	-.04750	-.05371	-.05589	-.05676	-.05733	-.05788	-.05840	-.05870
HSEHLD OPERATION	-.01079	-.01846	-.02230	-.02546	-.02674	-.02740	-.02790	-.02839	-.02888	-.02921
TRANSPORTATION	-.00654	-.01125	-.01365	-.01566	-.01652	-.01700	-.01737	-.01774	-.01811	-.01837
HEALTH SERVICES	-.02444	-.04236	-.05177	-.05980	-.06348	-.06571	-.06749	-.06926	-.07106	-.07236
OTHER SERVICES	-.02955	-.05107	-.06224	-.07171	-.07594	-.07843	-.08040	-.08236	-.08434	-.08575
TOTAL FIXED INVEST	-.14197	-.23841	-.28134	-.29470	-.27960	-.25925	-.24001	-.22340	-.20905	-.19584
RESIDENTIAL	-.04124	-.06723	-.07415	-.07720	-.07249	-.06607	-.06008	-.05495	-.05038	-.04630
NON RESIDENTIAL	-.02456	-.04098	-.04872	-.05026	-.04706	-.04319	-.03965	-.03659	-.03396	-.03163
PROD. DUR. EQUIP.	-.07617	-.13019	-.15846	-.16724	-.16004	-.14998	-.14028	-.13185	-.12471	-.11790
CBI NET IVA + MISC	-.01006	-.01629	-.01933	-.01939	-.01792	-.01632	-.01487	-.01354	-.01227	.00289
GRPVA-GRPFD	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
TOTAL GOVERNMENT	-.00562	-.00906	-.01022	-.02128	-.03059	-.03714	-.04191	-.04574	-.04885	-.05105
FED GOV MILITARY	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
FED GOV CIVILIAN	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
ST/LOC GOV EDUC.	-.00248	-.00404	-.00459	-.00964	-.01396	-.01706	-.01938	-.02127	-.02285	-.02398
ST/LOC HLTH/WLFAR	-.00081	-.00124	-.00133	-.00264	-.00361	-.00418	-.00452	-.00472	-.00482	-.00485
ST/LOC SAFETY	-.00060	-.00099	-.00113	-.00240	-.00350	-.00430	-.00491	-.00542	-.00585	-.00617
ST/LOC MISCEL	-.00173	-.00280	-.00316	-.00661	-.00952	-.01159	-.01311	-.01433	-.01534	-.01605
TOTAL EXPORTS	-.54948	-.95870	-1.21545	-1.29878	-1.28543	-1.25833	-1.23565	-1.21776	-1.20266	-1.17260
EXOGENOUS EXP	-.57109	-1.00243	-1.28450	-1.39467	-1.40659	-1.40125	-1.39602	-1.39137	-1.38580	-1.36069
ENDOGENOUS EXP	.02160	.04373	.06905	.09589	.12116	.14292	.16037	.17361	.18314	.18809
TOTAL IMPORTS	-.44011	-.75636	-.93387	-1.01737	-1.01987	-1.00549	-.99103	-.97988	-.97093	-.94142
TOT GRP BY VAL ADD	-.44459	-.76970	-.95875	-1.03461	-1.03212	-1.01450	-.99815	-.98502	-.97398	-.95239
TOT PRIV NF VAL AD	-.43301	-.74998	-.93436	-1.00168	-.99305	-.97128	-.95207	-.93675	-.92404	-.90153
TOT GOV	-.01157	-.01972	-.02439	-.03293	-.03907	-.04322	-.04608	-.04827	-.04993	-.05085
TOT FARM VAL ADDED	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(IN THE FOLLOWING TABLES, "87$" REPRESENTS USER DEFINED "1995$")

TABLE 1: SUPER SUMMARY TABLE.
(TABLE # REFERENCES IN PARENTHESES)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
TOTAL EMPLOYMENT (3)	-9.705	-16.466	-19.589	-21.343	-21.329	-20.874	-20.447	-20.141	-19.956	-19.672
EMP % OF US	-.008	-.013	-.015	-.016	-.016	-.016	-.015	-.015	-.014	-.014
TOT PRIV NF EMPLYT (2)	-10.072	-17.583	-21.868	-23.144	-22.641	-21.900	-21.307	-20.872	-20.585	-20.231
PR NF EMP % OF US	-.010	-.017	-.021	-.021	-.021	-.020	-.019	-.019	-.018	-.018
GRP 1987 $ (5)	-.878	-1.526	-1.894	-2.009	-1.968	-1.904	-1.848	-1.803	-1.770	-1.720
PERSONAL INCOME (4)	-.639	-1.197	-1.611	-1.908	-2.098	-2.261	-2.432	-2.626	-2.855	-3.091
PERS INC % OF US	-.010	-.017	-.022	-.024	-.024	-.024	-.023	-.023	-.023	-.022
DISPOSABLE INCOME (4)	-.512	-.961	-1.296	-1.540	-1.697	-1.834	-1.977	-2.138	-2.328	-2.524
PCE-PRICE INDX-87 (4)	-.120	-.230	-.327	-.408	-.462	-.493	-.509	-.519	-.528	-.536
REAL DISP INCOME (4)	-.287	-.511	-.647	-.717	-.737	-.744	-.750	-.758	-.767	-.769
POPULATION (3)	-3.957	-7.427	-10.693	-16.924	-22.047	-25.721	-28.392	-30.403	-31.895	-32.909
POP AS % OF US	-.001	-.003	-.004	-.006	-.008	-.009	-.010	-.011	-.011	-.011

NOTE - For all tables: EMPLOYMENT & POPULATION are in THOUSANDS of people,
DOLLAR concepts are in BILLIONS OF 87$*PCE-P DOLLARS unless otherwise indicated
and PER CAPITA concepts are in THOUSANDS OF REAL DOLLARS.

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TABLE 2: SUMMARY TABLE FOR PRIVATE NONFARM SECTORS.
(DETAILED TABLE # REF IN PARENS-(10 SECT,49 SECT))

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
PRIVATE NONFARM EMPLOYMENT (IN THOUSANDS OF PEOPLE) AND ITS DECOMPOSTION BY SOURCE OF DEMAND:										
TOTAL EMPLYMNT (7,18)	-10.072	-17.583	-21.868	-23.144	-22.641	-21.900	-21.307	-20.872	-20.585	-20.231
INTERMEDIATE (7,19)	-2.975	-5.189	-6.488	-6.850	-6.656	-6.391	-6.182	-6.026	-5.921	-5.783
LOCAL CONSUM (7,20)	-2.503	-4.407	-5.475	-5.931	-5.933	-5.841	-5.768	-5.726	-5.716	-5.694
GOVT DEMAND (7,21)	.004	.009	.016	.017	.017	.017	.016	.014	.010	.006
INVEST ACTVTY (8,22)	-.879	-1.473	-1.736	-1.733	-1.561	-1.373	-1.210	-1.073	-.960	-.789
EXPORT TO US (8,23)	.184	.386	.635	.897	1.136	1.333	1.481	1.583	1.646	1.672
EXP - MULTREG (8,24)	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
EXOGENOUS (8,25)	-3.904	-6.909	-8.819	-9.544	-9.644	-9.644	-9.644	-9.644	-9.644	-9.644
COSTS AND SELLING PRICES RELATIVE TO THE U.S.:										
SELLING PRICE (9,26)	-.00078	-.00143	-.00193	-.00232	-.00251	-.00254	-.00248	-.00238	-.00226	-.00213
FACTOR INPUTS (9,27)	-.00148	-.00269	-.00362	-.00424	-.00450	-.00449	-.00433	-.00411	-.00387	-.00362
LABOR (9,28)	-.00247	-.00438	-.00571	-.00655	-.00680	-.00669	-.00638	-.00599	-.00558	-.00517
FUEL (9,29)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
CAPITAL (10,30)	-.00043	-.00084	-.00126	-.00156	-.00180	-.00191	-.00194	-.00192	-.00187	-.00182
INTRMED INPUTS (10,31)	-.00067	-.00126	-.00176	-.00214	-.00233	-.00237	-.00232	-.00222	-.00212	-.00200
OTHER VARIABLES:										
REL PROD MFG (10,32)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
REL PROF MFG (10,33)	.00086	.00159	.00217	.00258	.00277	.00281	.00276	.00266	.00255	.00243
LABOR INTENSTY (11,34)	.00005	.00011	.00018	.00026	.00034	.00040	.00045	.00050	.00053	.00055
MULT ADJ (11,35)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
EMP % OF U.S. (11,36)	-.010	-.017	-.021	-.021	-.021	-.020	-.019	-.019	-.018	-.018
RPC=SS/DEMAND (11,37)	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001
AVG WAGE-THOUS (12,38)	-.145	-.275	-.372	-.436	-.475	-.503	-.528	-.553	-.582	-.612
INDL MIX INDX (12,39)	-.00077	-.00158	-.00237	-.00200	-.00157	-.00126	-.00104	-.00086	-.00071	-.00059
IN BILLIONS OF 1987 $'S:										
DEMAND (12,40)	-1.61251	-2.82602	-3.55484	-3.82733	-3.79238	-3.70479	-3.63070	-3.57623	-3.54285	-3.44878
IMPORTS (12,41)	-.75661	-1.33199	-1.69631	-1.85096	-1.86179	-1.84574	-1.83176	-1.82259	-1.81951	-1.78555
SELF SUPPLY (13,42)	-.85590	-1.49403	-1.85854	-1.97637	-1.93059	-1.85905	-1.79894	-1.75364	-1.72333	-1.66323
EXPORTS (13,43)	.03507	.07498	.12602	.18193	.23535	.28184	.31939	.34827	.36987	.38244
INTRA-REG TRD (13,44)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
EXOGENOUS PRDN (13,45)	-.94796	-1.67521	-2.15737	-2.35804	-2.39232	-2.39951	-2.40681	-2.41362	-2.42240	-2.41445
OUTPUT (14,46)	-1.76879	-3.09427	-3.88989	-4.15248	-4.08756	-3.97672	-3.88637	-3.81899	-3.77587	-3.69524
GRP(VAL ADDED) (14,47)	-.84384	-1.46884	-1.82538	-1.92735	-1.87716	-1.80504	-1.74315	-1.69327	-1.65573	-1.60420
IN BILLIONS OF NOMINAL $'S:										
WAGE&SAL DISB (14,48)	-.57442	-1.07818	-1.44657	-1.66676	-1.78612	-1.88631	-1.99500	-2.12434	-2.28268	-2.44667

CASE B - CONNECTICUT

TABLE 3: EMPLOYMENT TABLE. (IN THOUSANDS OF PEOPLE)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
MANUFACTURE	-4.232	-7.309	-9.239	-9.874	-9.717	-9.472	-9.280	-9.137	-9.034	-8.887
AS A % OF U.S.	-.023	-.039	-.050	-.054	-.054	-.053	-.052	-.052	-.052	-.052
DURABLES	-4.068	-7.033	-8.920	-9.570	-9.458	-9.257	-9.099	-8.980	-8.892	-8.755
NONDURABLES	-.164	-.276	-.318	-.304	-.259	-.215	-.181	-.158	-.143	-.131
NON MANUFACTURE	-5.840	-10.274	-12.630	-13.271	-12.924	-12.427	-12.026	-11.734	-11.550	-11.345
AS A % OF U.S.	-.007	-.012	-.014	-.015	-.014	-.013	-.013	-.012	-.012	-.012
MINING	-.003	-.005	-.006	-.006	-.005	-.004	-.003	-.003	-.002	-.002
CONT CONSTRUCTION	-.560	-.953	-1.135	-1.160	-1.074	-.971	-.881	-.807	-.746	-.687
TRANSPORT +PUB UT	-.253	-.434	-.526	-.543	-.515	-.480	-.452	-.430	-.414	-.399
FINANCE, INS,+ RE	-.391	-.672	-.813	-.839	-.792	-.737	-.691	-.656	-.633	-.610
RETAIL TRADE	-1.307	-2.285	-2.829	-3.017	-2.967	-2.877	-2.806	-2.758	-2.732	-2.698
WHOLESALE TRADE	-.419	-.719	-.874	-.902	-.849	-.787	-.736	-.695	-.665	-.635
SERVICES	-2.871	-5.145	-6.370	-6.722	-6.643	-6.496	-6.384	-6.315	-6.288	-6.243
AGRI/FOR/FISH SVC	-.035	-.062	-.076	-.081	-.079	-.075	-.073	-.071	-.071	-.070
TOTAL GOVERNMENT	.367	1.118	2.280	1.801	1.312	1.026	.860	.730	.629	.560
AS A % OF U.S.	.002	.005	.010	.008	.006	.004	.004	.003	.003	.002
ST AND LOCAL GOVT	-.221	-.417	-.605	-.966	-1.268	-1.491	-1.657	-1.787	-1.888	-1.957
FED. GOVT. CIVI.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
FED. GOVT. MILI.	.587	1.535	2.885	2.767	2.580	2.517	2.517	2.517	2.517	2.517
FARM EMPLOYMENT	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
AS A % OF U.S.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL EMPLOYMENT	-9.705	-16.466	-19.589	-21.343	-21.329	-20.874	-20.447	-20.141	-19.956	-19.672
AS A % OF U.S.	-.008	-.013	-.015	-.016	-.016	-.016	-.015	-.015	-.014	-.014
POPULATION	-3.957	-7.427	-10.693	-16.924	-22.047	-25.721	-28.392	-30.403	-31.895	-32.909
AS A % OF U.S.	-.001	-.003	-.004	-.006	-.008	-.009	-.010	-.011	-.011	-.011

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TABLE 4: PERSONAL INCOME TABLE. (IN BILLIONS OF DOLLARS)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
WAGE AND SAL DISB	-.58747	-1.09344	-1.45023	-1.69679	-1.84038	-1.95796	-2.07979	-2.22143	-2.39227	-2.56743
PROPRIETORS INCOME*	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
OTHER LABOR INCOME	-.10124	-.18456	-.23983	-.26751	-.27716	-.28530	-.29674	-.31270	-.33384	-.35664
DERIVATION OF PERSONAL INCOME BY PLACE OF RESIDENCE:										
TOT LABOR+ PROP INC	-.68871	-1.27800	-1.69007	-1.96430	-2.11754	-2.24326	-2.37653	-2.53413	-2.72612	-2.92407
AS A % OF U.S.	-.015	-.026	-.032	-.034	-.034	-.033	-.032	-.031	-.030	-.029
LESS SOC INSR CNT	-.05489	-.10254	-.13651	-.16029	-.17446	-.18623	-.19843	-.21257	-.22956	-.24699
PLUS RESID ADJ	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
PLUS DIV,INT,RENT	-.01936	-.04214	-.07064	-.09952	-.12662	-.15257	-.17825	-.20449	-.23248	-.26135
PLUS TRANSFER PAY	.01428	.02058	.01316	-.00447	-.02782	-.05186	-.07580	-.10012	-.12568	-.15300
PERSONAL INCOME	-.63889	-1.19701	-1.61105	-1.90799	-2.09752	-2.26146	-2.43214	-2.62617	-2.85472	-3.09145
AS A % OF U.S.	-.010	-.017	-.022	-.024	-.024	-.024	-.023	-.023	-.023	-.022
LESS TAXES	-.12665	-.23597	-.31459	-.36849	-.40045	-.42729	-.45545	-.48802	-.52699	-.56718
DISPOSABLE PER. INC	-.51224	-.96105	-1.29646	-1.53951	-1.69707	-1.83417	-1.97670	-2.13815	-2.32773	-2.52426
PCE - PRICE INDEX	-.120	-.230	-.327	-.408	-.462	-.493	-.509	-.519	-.528	-.536
REAL DIS PER INC$87	-.28660	-.51068	-.64677	-.71714	-.73674	-.74432	-.75040	-.75761	-.76664	-.76899
AS A % OF U.S.	-.007	-.012	-.015	-.017	-.017	-.017	-.016	-.016	-.016	-.016
R.D. INCOME PER/CAP	-.06532	-.11338	-.13540	-.12120	-.09729	-.07733	-.06237	-.05122	-.04323	-.03667
BREAKDOWN OF LABOR AND PROPRIETOR'S INCOME:										
MANUFACTURE	-.29298	-.53926	-.73170	-.84761	-.90744	-.96208	-1.02469	-1.09978	-1.19011	-1.28261
DURABLES	-.27926	-.51407	-.69868	-.81056	-.86986	-.92540	-.98937	-1.06575	-1.15693	-1.25026
NONDURABLES	-.01372	-.02520	-.03302	-.03705	-.03758	-.03668	-.03531	-.03403	-.03318	-.03234
NON MANUFACTURE	-.38193	-.72203	-.95250	-1.08298	-1.15071	-1.20312	-1.25942	-1.32841	-1.41628	-1.50927
MINING	-.00041	-.00072	-.00090	-.00097	-.00095	-.00090	-.00085	-.00081	-.00078	-.00075
CONT CONSTRUCTION	-.04105	-.07400	-.09459	-.10494	-.10628	-.10545	-.10496	-.10555	-.10750	-.10919
TRANSPORT+ PUB UT	-.01834	-.03378	-.04471	-.05106	-.05347	-.05453	-.05543	-.05659	-.05833	-.06006
FINANCE,INS,+ RE	-.03482	-.06506	-.08734	-.10120	-.10696	-.10934	-.11053	-.11182	-.11409	-.11612
RETAIL TRADE	-.03707	-.06912	-.09231	-.10660	-.11314	-.11723	-.12104	-.12563	-.13170	-.13783
WHOLESALE TRADE	-.02994	-.05512	-.07290	-.08258	-.08546	-.08629	-.08693	-.08806	-.09019	-.09221
SERVICES	-.21882	-.42141	-.55597	-.63124	-.67982	-.72457	-.77477	-.83485	-.90833	-.98748
AGRI/FOR/FISH	-.00150	-.00282	-.00379	-.00438	-.00464	-.00479	-.00492	-.00510	-.00535	-.00562
TOTAL GOVERNMENT	-.01379	-.01671	-.00586	-.03371	-.05938	-.07806	-.09242	-.10595	-.11972	-.13219
ST AND LOCAL GOVT	-.02304	-.04454	-.06441	-.09244	-.11719	-.13869	-.15836	-.17819	-.19937	-.22036
FED GOVT CIVILIAN	-.00242	-.00456	-.00629	-.00778	-.00879	-.00954	-.01016	-.01078	-.01147	-.01217
FED GOVT MILITARY	.01167	.03240	.06484	.06651	.06661	.07017	.07610	.08303	.09111	.10033
FARM	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

* IF ALL 0.0'S THEN PROPRIETORS INCOME HAS BEEN MERGED INTO OTHER LABOR INCOME.

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TABLE 5: GRP BY FINAL DEMAND TABLE.
(BILLIONS OF 87 US DOLLARS-RECONCILED WITH VALUE ADDED)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
TOTAL GRP	-.87811	-1.52621	-1.89397	-2.00881	-1.96784	-1.90396	-1.84849	-1.80349	-1.77000	-1.72034
TOTAL CONSUMPTION	-.39091	-.69467	-.87807	-.97119	-.99406	-.99961	-1.00357	-1.00928	-1.01742	-1.01727
AUTOS AND PARTS	-.02071	-.03681	-.04655	-.05150	-.05272	-.05303	-.05325	-.05356	-.05400	-.05400
FURN & HSEHLD EQ.	-.02642	-.04623	-.05758	-.06275	-.06333	-.06281	-.06228	-.06187	-.06158	-.06094
OTHER DURABLES	-.00900	-.01619	-.02071	-.02316	-.02396	-.02433	-.02464	-.02499	-.02541	-.02558
FOOD & BEVERAGES	-.06079	-.10726	-.13465	-.14793	-.15044	-.15035	-.15010	-.15014	-.15050	-.14980
CLOTHING & SHOES	-.02254	-.04000	-.05050	-.05579	-.05703	-.05729	-.05746	-.05773	-.05814	-.05809
GASOLINE & OIL	-.00890	-.01541	-.01898	-.02045	-.02041	-.02002	-.01964	-.01931	-.01901	-.01865
FUEL OIL & COAL	-.00460	-.00772	-.00920	-.00958	-.00923	-.00872	-.00826	-.00782	-.00737	-.00697
OTHER NONDURABLES	-.03086	-.05477	-.06916	-.07641	-.07813	-.07849	-.07874	-.07912	-.07969	-.07963
HOUSING	-.05112	-.09013	-.11306	-.12410	-.12611	-.12594	-.12565	-.12560	-.12581	-.12516
HSEHLD OPERATION	-.02409	-.04277	-.05402	-.05970	-.06106	-.06135	-.06156	-.06187	-.06232	-.06228
TRANSPORTATION	-.01432	-.02563	-.03260	-.03629	-.03736	-.03778	-.03812	-.03852	-.03902	-.03917
HEALTH SERVICES	-.05305	-.09574	-.12280	-.13776	-.14287	-.14547	-.14766	-.15007	-.15293	-.15420
OTHER SERVICES	-.06452	-.11600	-.14827	-.16579	-.17141	-.17403	-.17622	-.17867	-.18163	-.18280
TOTAL FIXED INVEST	-.29649	-.50552	-.60765	-.62079	-.57497	-.52129	-.47325	-.43246	-.39861	-.36508
RESIDENTIAL	-.07275	-.12335	-.14338	-.14334	-.13031	-.11619	-.10407	-.09408	-.08584	-.07776
NON RESIDENTIAL	-.04904	-.08341	-.10089	-.10332	-.09583	-.08695	-.07894	-.07209	-.06637	-.06078
PROD. DUR. EQUIP.	-.17470	-.29876	-.36337	-.37413	-.34883	-.31815	-.29024	-.26629	-.24639	-.22654
CBI NET IVA + MISC	-.02302	-.03736	-.04436	-.04446	-.04089	-.03700	-.03340	-.02997	-.02668	.00611
GRPVA-GRPFD	.00000	.00000	-.00001	.00001	.00001	.00000	-.00002	.00001	-.00001	.00000
TOTAL GOVERNMENT	-.01225	-.02341	-.03432	-.05529	-.07324	-.08689	-.09731	-.10568	-.11256	-.11736
FED GOV MILITARY	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
FED GOV CIVILIAN	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
ST/LOC GOV EDUC.	-.00541	-.01044	-.01543	-.02506	-.03343	-.03994	-.04500	-.04914	-.05264	-.05514
ST/LOC HLTH/WLFAR	-.00175	-.00319	-.00445	-.00683	-.00863	-.00977	-.01048	-.01091	-.01110	-.01115
ST/LOC SAFETY	-.00131	-.00256	-.00381	-.00624	-.00838	-.01007	-.01141	-.01252	-.01349	-.01418
ST/LOC MISCEL	-.00377	-.00723	-.01063	-.01717	-.02280	-.02711	-.03043	-.03310	-.03533	-.03689
TOTAL EXPORTS	-.91293	-1.60030	-2.03142	-2.17627	-2.15721	-2.11796	-2.08774	-2.06567	-2.05292	-2.03238
EXOGENOUS EXP	-.94796	-1.67521	-2.15737	-2.35804	-2.39232	-2.39951	-2.40681	-2.41362	-2.42240	-2.41445
ENDOGENOUS EXP	.03503	.07491	.12595	.18177	.23511	.28155	.31907	.34794	.36949	.38207
TOTAL IMPORTS	-.75748	-1.33504	-1.70186	-1.85918	-1.87253	-1.85879	-1.84681	-1.83956	-1.83818	-1.80564
TOT GRP BY VAL ADD	-.87811	-1.52621	-1.89397	-2.00881	-1.96784	-1.90396	-1.84849	-1.80349	-1.77000	-1.72034
TOT PRIV NF VAL AD	-.84387	-1.46888	-1.82539	-1.92734	-1.87721	-1.80504	-1.74316	-1.69327	-1.65572	-1.60418
TOT GOV	-.03424	-.05733	-.06858	-.08147	-.09064	-.09893	-.10532	-.11022	-.11429	-.11616
TOT FARM VAL ADDED	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(IN THE FOLLOWING TABLES, "87$" REPRESENTS USER DEFINED "1995$")

TABLE 1: SUPER SUMMARY TABLE.
(TABLE # REFERENCES IN PARENTHESES)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
TOTAL EMPLOYMENT (3)	-1.022	-1.920	-2.267	-2.222	-2.179	-2.143	-2.116	-2.099	-2.090	-2.088
EMP % OF US	-.001	-.001	-.001	-.001	-.001	-.001	-.001	-.001	-.001	-.001
TOT PRIV NF EMPLYT(2)	-1.000	-1.862	-2.170	-2.093	-2.024	-1.968	-1.925	-1.894	-1.875	-1.866
PR NF EMP % OF US	-.001	-.001	-.002	-.002	-.002	-.001	-.001	-.001	-.001	-.001
GRP 1987 $ (5)	-.046	-.086	-.101	-.099	-.096	-.094	-.093	-.092	-.092	-.092
PERSONAL INCOME (4)	-.057	-.116	-.153	-.169	-.185	-.201	-.219	-.238	-.261	-.287
PERS INC % OF US	-.001	-.002	-.002	-.002	-.002	-.002	-.002	-.002	-.002	-.002
DISPOSABLE INCOME (4)	-.045	-.093	-.123	-.136	-.149	-.162	-.177	-.194	-.212	-.234
PCE-PRICE INDX-87 (4)	-.158	-.346	-.497	-.577	-.623	-.653	-.674	-.691	-.709	-.730
REAL DISP INCOME (4)	-.027	-.053	-.065	-.067	-.069	-.071	-.073	-.074	-.076	-.077
POPULATION (3)	-.385	-.982	-1.639	-2.167	-2.572	-2.894	-3.143	-3.334	-3.477	-3.582
POP AS % OF US	.000	.000	-.001	-.001	-.001	-.001	-.001	-.001	-.001	-.001

NOTE - For all tables: EMPLOYMENT & POPULATION are in THOUSANDS of people,
DOLLAR concepts are in BILLIONS OF 87$*PCE-P DOLLARS unless otherwise indicated
and PER CAPITA concepts are in THOUSANDS OF REAL DOLLARS.

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TABLE 2: SUMMARY TABLE FOR PRIVATE NONFARM SECTORS.
(DETAILED TABLE # REF IN PARENS-(10 SECT,49 SECT))

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
PRIVATE NONFARM EMPLOYMENT (IN THOUSANDS OF PEOPLE) AND ITS DECOMPOSTION BY SOURCE OF DEMAND:										
TOTAL EMPLYMNT (7,18)	-1.000	-1.862	-2.170	-2.093	-2.024	-1.968	-1.925	-1.894	-1.875	-1.866
INTERMEDIATE (7,19)	-.148	-.274	-.313	-.293	-.274	-.258	-.245	-.236	-.229	-.226
LOCAL CONSUM (7,20)	-.261	-.493	-.589	-.587	-.586	-.585	-.586	-.588	-.593	-.599
GOVT DEMAND (7,21)	.000	.000	.000	.001	.001	.001	.001	.000	.000	.000
INVEST ACTVTY (8,22)	-.048	-.087	-.095	-.084	-.073	-.064	-.055	-.048	-.042	-.037
EXPORT TO US (8,23)	.024	.063	.109	.152	.190	.220	.243	.260	.272	.279
EXP - MULTREG (8,24)	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
EXOGENOUS (8,25)	-.567	-1.072	-1.282	-1.282	-1.282	-1.282	-1.282	-1.282	-1.282	-1.282
COSTS AND SELLING PRICES RELATIVE TO THE U.S.:										
SELLING PRICE (9,26)	-.00078	-.00167	-.00232	-.00259	-.00269	-.00268	-.00262	-.00253	-.00242	-.00232
FACTOR INPUTS (9,27)	-.00198	-.00406	-.00536	-.00574	-.00576	-.00558	-.00531	-.00500	-.00469	-.00441
LABOR (9,28)	-.00312	-.00621	-.00797	-.00836	-.00829	-.00796	-.00751	-.00701	-.00653	-.00608
FUEL (9,29)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
CAPITAL (10,30)	-.00046	-.00109	-.00166	-.00197	-.00209	-.00213	-.00211	-.00206	-.00199	-.00192
INTRMED INPUTS (10,31)	-.00077	-.00170	-.00243	-.00279	-.00293	-.00296	-.00292	-.00285	-.00275	-.00266
OTHER VARIABLES:										
REL PROD MFG (10,32)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
REL PROF MFG (10,33)	.00138	.00280	.00368	.00393	.00395	.00385	.00369	.00351	.00333	.00316
LABOR INTENSTY (11,34)	.00014	.00035	.00060	.00084	.00106	.00125	.00143	.00158	.00171	.00181
MULT ADJ (11,35)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
EMP % OF U.S. (11,36)	-.001	-.001	-.002	-.002	-.002	-.001	-.001	-.001	-.001	-.001
RPC=SS/DEMAND (11,37)	-.001	-.001	-.001	-.001	-.001	-.001	-.001	-.001	-.001	-.001
AVG WAGE-THOUS (12,38)	-.250	-.509	-.660	-.714	-.763	-.810	-.861	-.919	-.986	-1.062
INDL MIX INDX (12,39)	-.00210	-.00388	-.00442	-.00414	-.00391	-.00372	-.00357	-.00344	-.00334	-.00326
IN BILLIONS OF 1987 $'S:										
DEMAND (12,40)	-.07507	-.14133	-.16683	-.16298	-.15910	-.15578	-.15319	-.15161	-.15098	-.15092
IMPORTS (12,41)	-.04104	-.07745	-.09192	-.09043	-.08879	-.08733	-.08617	-.08551	-.08529	-.08539
SELF SUPPLY (13,42)	-.03404	-.06388	-.07491	-.07255	-.07032	-.06845	-.06702	-.06611	-.06569	-.06553
EXPORTS (13,43)	.00294	.00756	.01310	.01823	.02256	.02597	.02848	.03021	.03130	.03170
INTRA-REG TRD (13,44)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
EXOGENOUS PRDN (13,45)	-.03750	-.07128	-.08571	-.08617	-.08659	-.08702	-.08741	-.08783	-.08826	-.08860
OUTPUT (14,46)	-.06860	-.12760	-.14753	-.14049	-.13435	-.12950	-.12594	-.12373	-.12265	-.12243
GRP(VAL ADDED) (14,47)	-.04380	-.08167	-.09497	-.09122	-.08789	-.08523	-.08323	-.08194	-.08125	-.08098
IN BILLIONS OF NOMINAL $'S:										
WAGE&SAL DISB (14,48)	-.05377	-.10837	-.13890	-.14858	-.15818	-.16860	-.18034	-.19420	-.21059	-.22927

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TABLE 3: EMPLOYMENT TABLE. (IN THOUSANDS OF PEOPLE)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
MANUFACTURE	.007	.024	.050	.076	.098	.113	.124	.130	.133	.134
AS A % OF U.S.	.000	.000	.000	.000	.001	.001	.001	.001	.001	.001
DURABLES	.009	.025	.044	.061	.074	.084	.090	.093	.094	.093
NONDURABLES	-.002	-.001	.007	.016	.023	.030	.034	.037	.040	.041
NON MANUFACTURE	-1.007	-1.886	-2.220	-2.169	-2.122	-2.081	-2.049	-2.025	-2.008	-1.999
AS A % OF U.S.	-.001	-.002	-.002	-.002	-.002	-.002	-.002	-.002	-.002	-.002
MINING	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
CONT CONSTRUCTION	-.041	-.075	-.083	-.074	-.065	-.058	-.052	-.047	-.043	-.040
TRANSPORT +PUB UT	-.013	-.024	-.027	-.024	-.022	-.020	-.018	-.017	-.016	-.016
FINANCE, INS,+ RE	-.023	-.040	-.042	-.033	-.025	-.017	-.010	-.004	.001	.006
RETAIL TRADE	-.150	-.280	-.330	-.323	-.317	-.312	-.308	-.307	-.307	-.308
WHOLESALE TRADE	-.007	-.012	-.013	-.011	-.009	-.008	-.006	-.006	-.005	-.005
SERVICES	-.769	-1.448	-1.718	-1.698	-1.679	-1.663	-1.651	-1.643	-1.638	-1.636
AGRI/FOR/FISH SVC	-.004	-.007	-.007	-.006	-.005	-.004	-.003	-.002	-.002	-.001
TOTAL GOVERNMENT	-.022	-.057	-.097	-.129	-.154	-.175	-.192	-.205	-.215	-.223
AS A % OF U.S.	.000	.000	.000	-.001	-.001	-.001	-.001	-.001	-.001	-.001
ST AND LOCAL GOVT	-.022	-.057	-.097	-.129	-.154	-.175	-.192	-.205	-.215	-.223
FED. GOVT. CIVI.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
FED. GOVT. MILI.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
FARM EMPLOYMENT	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
AS A % OF U.S.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL EMPLOYMENT	-1.022	-1.920	-2.267	-2.222	-2.179	-2.143	-2.116	-2.099	-2.090	-2.088
AS A % OF U.S.	-.001	-.001	-.001	-.001	-.001	-.001	-.001	-.001	-.001	-.001
POPULATION	-.385	-.982	-1.639	-2.167	-2.572	-2.894	-3.143	-3.334	-3.477	-3.582
AS A % OF U.S.	.000	.000	-.001	-.001	-.001	-.001	-.001	-.001	-.001	-.001

CASE C - NEW LONDON COUNTY

TABLE 4: PERSONAL INCOME TABLE. (IN BILLIONS OF DOLLARS)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
WAGE AND SAL DISB	-.05612	-.11389	-.14748	-.15951	-.17116	-.18350	-.19710	-.21287	-.23133	-.25213
PROPRIETORS INCOME*	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
OTHER LABOR INCOME	-.00642	-.01256	-.01549	-.01594	-.01648	-.01719	-.01811	-.01927	-.02072	-.02243
DERIVATION OF PERSONAL INCOME BY PLACE OF RESIDENCE:										
TOT LABOR+ PROP INC	-.06254	-.12645	-.16297	-.17545	-.18764	-.20069	-.21521	-.23214	-.25205	-.27457
AS A % OF U.S.	-.001	-.003	-.003	-.003	-.003	-.003	-.003	-.003	-.003	-.003
LESS SOC INSR CNT	-.00460	-.00935	-.01215	-.01317	-.01417	-.01523	-.01640	-.01775	-.01932	-.02110
PLUS RESID ADJ	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
PLUS DIV,INT,RENT	-.00099	-.00267	-.00473	-.00668	-.00850	-.01031	-.01214	-.01402	-.01603	-.01813
PLUS TRANSFER PAY	.00228	.00357	.00243	-.00015	-.00262	-.00509	-.00756	-.01008	-.01274	-.01548
PERSONAL INCOME	-.05666	-.11620	-.15313	-.16911	-.18458	-.20086	-.21851	-.23850	-.26150	-.28707
AS A % OF U.S.	-.001	-.002	-.002	-.002	-.002	-.002	-.002	-.002	-.002	-.002
LESS TAXES	-.01150	-.02339	-.03043	-.03309	-.03568	-.03844	-.04147	-.04495	-.04900	-.05355
DISPOSABLE PER. INC	-.04517	-.09281	-.12270	-.13602	-.14890	-.16242	-.17705	-.19355	-.21250	-.23352
PCE - PRICE INDEX	-.158	-.346	-.497	-.577	-.623	-.653	-.674	-.691	-.709	-.730
REAL DIS PER INC$87	-.02734	-.05293	-.06528	-.06749	-.06943	-.07120	-.07282	-.07443	-.07606	-.07743
AS A % OF U.S.	-.001	-.001	-.002	-.002	-.002	-.002	-.002	-.002	-.002	-.002
R.D. INCOME PER/CAP	-.08634	-.15079	-.15630	-.12824	-.10647	-.08889	-.07541	-.06545	-.05853	-.05419
BREAKDOWN OF LABOR AND PROPRIETOR'S INCOME:										
MANUFACTURE	-.00232	-.00449	-.00524	-.00458	-.00349	-.00219	-.00080	.00059	.00191	.00314
DURABLES	-.00160	-.00310	-.00363	-.00322	-.00253	-.00172	-.00089	-.00009	.00064	.00126
NONDURABLES	-.00072	-.00139	-.00161	-.00136	-.00096	-.00046	.00009	.00068	.00128	.00188
NON MANUFACTURE	-.05771	-.11602	-.14841	-.15889	-.16985	-.18201	-.19579	-.21192	-.23080	-.25212
MINING	-.00002	-.00004	-.00005	-.00005	-.00004	-.00003	-.00002	-.00002	-.00001	.00000
CONT CONSTRUCTION	-.00216	-.00420	-.00505	-.00493	-.00475	-.00456	-.00439	-.00426	-.00418	-.00415
TRANSPORT+ PUB UT	-.00098	-.00198	-.00255	-.00269	-.00274	-.00273	-.00270	-.00268	-.00267	-.00270
FINANCE,INS,+ RE	-.00058	-.00118	-.00153	-.00158	-.00156	-.00148	-.00136	-.00121	-.00105	-.00089
RETAIL TRADE	-.00315	-.00640	-.00830	-.00891	-.00936	-.00976	-.01015	-.01062	-.01119	-.01188
WHOLESALE TRADE	-.00042	-.00086	-.00111	-.00115	-.00114	-.00110	-.00104	-.00098	-.00092	-.00087
SERVICES	-.05033	-.10121	-.12963	-.13940	-.15008	-.16218	-.17596	-.19201	-.21063	-.23149
AGRI/FOR/FISH	-.00008	-.00015	-.00019	-.00019	-.00019	-.00018	-.00017	-.00016	-.00015	-.00014
TOTAL GOVERNMENT	-.00252	-.00595	-.00933	-.01198	-.01430	-.01650	-.01862	-.02081	-.02316	-.02559
ST AND LOCAL GOVT	-.00211	-.00507	-.00810	-.01056	-.01274	-.01483	-.01686	-.01896	-.02121	-.02352
FED GOVT CIVILIAN	-.00041	-.00087	-.00123	-.00141	-.00155	-.00166	-.00176	-.00185	-.00196	-.00207
FED GOVT MILITARY	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
FARM	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

* IF ALL 0.0'S THEN PROPRIETORS INCOME HAS BEEN MERGED INTO OTHER LABOR INCOME.

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TABLE 5: GRP BY FINAL DEMAND TABLE.
(BILLIONS OF 87 US DOLLARS-RECONCILED WITH VALUE ADDED)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
TOTAL GRP	-.04577	-.08599	-.10122	-.09871	-.09634	-.09445	-.09303	-.09220	-.09189	-.09189
TOTAL CONSUMPTION	-.03501	-.06734	-.08251	-.08480	-.08681	-.08865	-.09032	-.09198	-.09367	-.09506
AUTOS AND PARTS	-.00186	-.00359	-.00439	-.00451	-.00462	-.00471	-.00480	-.00489	-.00497	-.00505
FURN & HSEHLD EQ.	-.00217	-.00415	-.00506	-.00518	-.00528	-.00538	-.00546	-.00554	-.00563	-.00570
OTHER DURABLES	-.00079	-.00155	-.00193	-.00201	-.00208	-.00215	-.00221	-.00227	-.00234	-.00239
FOOD & BEVERAGES	-.00554	-.01056	-.01282	-.01306	-.01325	-.01342	-.01358	-.01373	-.01388	-.01400
CLOTHING & SHOES	-.00197	-.00380	-.00466	-.00480	-.00492	-.00504	-.00514	-.00524	-.00534	-.00543
GASOLINE & OIL	-.00080	-.00150	-.00179	-.00179	-.00179	-.00178	-.00177	-.00176	-.00175	-.00174
FUEL OIL & COAL	-.00042	-.00077	-.00088	-.00085	-.00082	-.00078	-.00075	-.00072	-.00068	-.00065
OTHER NONDURABLES	-.00276	-.00530	-.00649	-.00667	-.00682	-.00696	-.00708	-.00721	-.00734	-.00744
HOUSING	-.00463	-.00881	-.01070	-.01090	-.01107	-.01121	-.01134	-.01146	-.01159	-.01169
HSEHLD OPERATION	-.00213	-.00410	-.00502	-.00517	-.00529	-.00541	-.00552	-.00562	-.00573	-.00582
TRANSPORTATION	-.00129	-.00250	-.00308	-.00318	-.00327	-.00336	-.00344	-.00351	-.00359	-.00366
HEALTH SERVICES	-.00482	-.00940	-.01166	-.01214	-.01257	-.01298	-.01335	-.01372	-.01410	-.01441
OTHER SERVICES	-.00583	-.01133	-.01402	-.01455	-.01504	-.01549	-.01590	-.01631	-.01673	-.01708
TOTAL FIXED INVEST	-.01619	-.02969	-.03339	-.03016	-.02678	-.02353	-.02059	-.01807	-.01595	-.01425
RESIDENTIAL	-.00847	-.01539	-.01716	-.01554	-.01409	-.01279	-.01168	-.01072	-.00988	-.00918
NON RESIDENTIAL	-.00188	-.00342	-.00382	-.00338	-.00289	-.00240	-.00196	-.00160	-.00130	-.00107
PROD. DUR. EQUIP.	-.00584	-.01087	-.01241	-.01124	-.00981	-.00833	-.00695	-.00575	-.00477	-.00400
CBI NET IVA + MISC	-.00002	-.00002	.00002	.00006	.00009	.00010	.00010	.00010	.00009	.00001
GRPVA-GRPFD	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
TOTAL GOVERNMENT	-.00117	-.00303	-.00515	-.00692	-.00834	-.00952	-.01048	-.01126	-.01191	-.01238
FED GOV MILITARY	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
FED GOV CIVILIAN	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
ST/LOC GOV EDUC.	-.00052	-.00135	-.00231	-.00313	-.00380	-.00438	-.00485	-.00524	-.00557	-.00582
ST/LOC HLTH/WLFAR	-.00017	-.00041	-.00067	-.00086	-.00098	-.00107	-.00113	-.00116	-.00117	-.00118
ST/LOC SAFETY	-.00013	-.00033	-.00057	-.00078	-.00095	-.00110	-.00123	-.00133	-.00143	-.00150
ST/LOC MISCEL	-.00036	-.00094	-.00159	-.00215	-.00260	-.00297	-.00328	-.00353	-.00374	-.00389
TOTAL EXPORTS	-.03457	-.06373	-.07263	-.06796	-.06406	-.06108	-.05896	-.05766	-.05700	-.05694
EXOGENOUS EXP	-.03750	-.07128	-.08571	-.08617	-.08659	-.08702	-.08741	-.08783	-.08826	-.08860
ENDOGENOUS EXP	.00293	.00755	.01308	.01821	.02253	.02594	.02845	.03017	.03126	.03166
TOTAL IMPORTS	-.04120	-.07782	-.09244	-.09108	-.08956	-.08824	-.08721	-.08666	-.08655	-.08674
TOT GRP BY VAL ADD	-.04577	-.08599	-.10122	-.09871	-.09634	-.09445	-.09303	-.09220	-.09189	-.09189
TOT PRIV NF VAL AD	-.04380	-.08168	-.09497	-.09122	-.08789	-.08523	-.08323	-.08194	-.08124	-.08098
TOT GOV	-.00197	-.00432	-.00625	-.00749	-.00845	-.00922	-.00981	-.01027	-.01065	-.01091
TOT FARM VAL ADDED	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(IN THE FOLLOWING TABLES, "87$" REPRESENTS USER DEFINED "1995$")

TABLE 1: SUPER SUMMARY TABLE.
(TABLE # REFERENCES IN PARENTHESES)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
TOTAL EMPLOYMENT (3)	-1.447	-2.729	-3.219	-3.128	-3.029	-2.946	-2.883	-2.839	-2.812	-2.805
EMP % OF US	-.001	-.002	-.002	-.002	-.002	-.002	-.002	-.002	-.002	-.002
TOT PRIV NF EMPLYT(2)	-1.413	-2.642	-3.075	-2.938	-2.806	-2.695	-2.611	-2.551	-2.511	-2.495
PR NF EMP % OF US	-.001	-.003	-.003	-.003	-.003	-.002	-.002	-.002	-.002	-.002
GRP 1987 $ (5)	-.110	-.205	-.239	-.229	-.220	-.211	-.205	-.200	-.197	-.195
PERSONAL INCOME (4)	-.118	-.243	-.318	-.348	-.375	-.403	-.434	-.471	-.513	-.562
PERS INC % OF US	-.002	-.004	-.004	-.004	-.004	-.004	-.004	-.004	-.004	-.004
DISPOSABLE INCOME (4)	-.095	-.195	-.256	-.281	-.303	-.327	-.353	-.383	-.418	-.458
PCE-PRICE INDX-87 (4)	-.017	-.040	-.060	-.073	-.079	-.084	-.087	-.090	-.092	-.096
REAL DISP INCOME (4)	-.055	-.106	-.129	-.131	-.132	-.134	-.135	-.136	-.138	-.140
POPULATION (3)	-.612	-1.549	-2.556	-3.325	-3.890	-4.328	-4.658	-4.903	-5.081	-5.209
POP AS % OF US	.000	-.001	-.001	-.001	-.001	-.002	-.002	-.002	-.002	-.002

NOTE - For all tables: EMPLOYMENT & POPULATION are in THOUSANDS of people,
DOLLAR concepts are in BILLIONS OF 87$*PCE-P DOLLARS unless otherwise indicated
and PER CAPITA concepts are in THOUSANDS OF REAL DOLLARS.

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TABLE 2: SUMMARY TABLE FOR PRIVATE NONFARM SECTORS.
(DETAILED TABLE # REF IN PARENS-(10 SECT,49 SECT))

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
PRIVATE NONFARM EMPLOYMENT (IN THOUSANDS OF PEOPLE) AND ITS DECOMPOSTION BY SOURCE OF DEMAND:										
TOTAL EMPLYMNT (7,18)	-1.413	-2.642	-3.075	-2.938	-2.806	-2.695	-2.611	-2.551	-2.511	-2.495
INTERMEDIATE (7,19)	-.276	-.509	-.575	-.523	-.471	-.429	-.395	-.369	-.351	-.342
LOCAL CONSUM (7,20)	-.487	-.929	-1.109	-1.092	-1.071	-1.054	-1.042	-1.035	-1.033	-1.037
GOVT DEMAND (7,21)	.000	.000	.000	.001	.001	.001	.001	.000	.000	-.001
INVEST ACTVTY (8,22)	-.103	-.186	-.204	-.177	-.150	-.127	-.108	-.092	-.080	-.071
EXPORT TO US (8,23)	.020	.053	.094	.134	.169	.195	.215	.228	.236	.238
EXP - MULTREG (8,24)	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
EXOGENOUS (8,25)	-.567	-1.072	-1.282	-1.282	-1.282	-1.282	-1.282	-1.282	-1.282	-1.282
COSTS AND SELLING PRICES RELATIVE TO THE U.S.:										
SELLING PRICE (9,26)	-.00012	-.00025	-.00037	-.00042	-.00044	-.00044	-.00043	-.00041	-.00040	-.00038
FACTOR INPUTS (9,27)	-.00020	-.00043	-.00060	-.00067	-.00068	-.00067	-.00064	-.00060	-.00056	-.00053
LABOR (9,28)	-.00034	-.00070	-.00093	-.00101	-.00102	-.00098	-.00093	-.00087	-.00080	-.00075
FUEL (9,29)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
CAPITAL (10,30)	-.00005	-.00014	-.00022	-.00027	-.00029	-.00030	-.00030	-.00029	-.00029	-.00028
INTRMED INPUTS (10,31)	-.00010	-.00023	-.00034	-.00040	-.00042	-.00042	-.00041	-.00040	-.00039	-.00037
OTHER VARIABLES:										
REL PROD MFG (10,32)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
REL PROF MFG (10,33)	.00011	.00023	.00033	.00037	.00037	.00037	.00035	.00033	.00031	.00029
LABOR INTENSTY (11,34)	.00001	.00002	.00003	.00004	.00005	.00006	.00006	.00007	.00007	.00008
MULT ADJ (11,35)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
EMP % OF U.S. (11,36)	-.001	-.003	-.003	-.003	-.003	-.002	-.002	-.002	-.002	-.002
RPC=SS/DEMAND (11,37)	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
AVG WAGE-THOUS (12,38)	-.040	-.082	-.107	-.117	-.126	-.135	-.144	-.154	-.166	-.179
INDL MIX INDX (12,39)	-.00019	-.00036	-.00042	-.00039	-.00037	-.00036	-.00035	-.00034	-.00034	-.00034
IN BILLIONS OF 1987 $'S:										
DEMAND (12,40)	-.16500	-.31211	-.36730	-.35383	-.33859	-.32546	-.31521	-.30789	-.30347	-.30138
IMPORTS (12,41)	-.06312	-.12063	-.14474	-.14325	-.14051	-.13799	-.13610	-.13479	-.13423	-.13402
SELF SUPPLY (13,42)	-.10187	-.19148	-.22256	-.21058	-.19808	-.18748	-.17911	-.17309	-.16924	-.16736
EXPORTS (13,43)	.00373	.01013	.01848	.02682	.03419	.04027	.04493	.04834	.05072	.05197
INTRA-REG TRD (13,44)	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
EXOGENOUS PRDN (13,45)	-.06820	-.12893	-.15414	-.15413	-.15410	-.15407	-.15401	-.15398	-.15398	-.15380
OUTPUT (14,46)	-.16635	-.31028	-.35822	-.33790	-.31799	-.30128	-.28819	-.27873	-.27250	-.26919
GRP(VAL ADDED) (14,47)	-.10482	-.19595	-.22754	-.21664	-.20577	-.19653	-.18915	-.18368	-.17992	-.17759
IN BILLIONS OF NOMINAL $'S:										
WAGE&SAL DISB (14,48)	-.10929	-.22238	-.28646	-.30640	-.32508	-.34505	-.36774	-.39493	-.42772	-.46597

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TABLE 3: EMPLOYMENT TABLE. (IN THOUSANDS OF PEOPLE)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
MANUFACTURE	-.030	-.042	-.020	.019	.053	.078	.096	.107	.113	.114
AS A % OF U.S.	.000	.000	.000	.000	.000	.000	.001	.001	.001	.001
DURABLES	-.005	.003	.027	.057	.082	.101	.113	.121	.124	.123
NONDURABLES	-.025	-.045	-.047	-.038	-.029	-.022	-.017	-.013	-.011	-.010
NON MANUFACTURE	-1.382	-2.600	-3.055	-2.958	-2.858	-2.773	-2.707	-2.658	-2.625	-2.609
AS A % OF U.S.	-.002	-.003	-.003	-.003	-.003	-.003	-.003	-.003	-.003	-.003
MINING	.000	-.001	-.001	-.001	.000	.000	.000	.000	.000	.000
CONT CONSTRUCTION	-.082	-.151	-.169	-.151	-.134	-.119	-.106	-.095	-.087	-.081
TRANSPORT +PUB UT	-.034	-.063	-.071	-.064	-.058	-.053	-.048	-.045	-.043	-.041
FINANCE, INS,+ RE	-.059	-.109	-.124	-.113	-.102	-.093	-.086	-.080	-.076	-.074
RETAIL TRADE	-.210	-.395	-.462	-.445	-.426	-.410	-.398	-.389	-.384	-.382
WHOLESALE TRADE	-.038	-.070	-.077	-.068	-.058	-.050	-.044	-.039	-.036	-.034
SERVICES	-.952	-1.801	-2.138	-2.104	-2.068	-2.038	-2.015	-1.999	-1.989	-1.986
AGRI/FOR/FISH SVC	-.006	-.011	-.013	-.012	-.011	-.011	-.010	-.010	-.010	-.010
TOTAL GOVERNMENT	-.034	-.087	-.145	-.190	-.224	-.251	-.272	-.288	-.301	-.310
AS A % OF U.S.	.000	.000	-.001	-.001	-.001	-.001	-.001	-.001	-.001	-.001
ST AND LOCAL GOVT	-.034	-.087	-.145	-.190	-.224	-.251	-.272	-.288	-.301	-.310
FED. GOVT. CIVI.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
FED. GOVT. MILI.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
FARM EMPLOYMENT	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
AS A % OF U.S.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL EMPLOYMENT	-1.447	-2.729	-3.219	-3.128	-3.029	-2.946	-2.883	-2.839	-2.812	-2.805
AS A % OF U.S.	-.001	-.002	-.002	-.002	-.002	-.002	-.002	-.002	-.002	-.002
POPULATION	-.612	-1.549	-2.556	-3.325	-3.890	-4.328	-4.658	-4.903	-5.081	-5.209
AS A % OF U.S.	.000	-.001	-.001	-.001	-.001	-.002	-.002	-.002	-.002	-.002

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TABLE 4: PERSONAL INCOME TABLE. (IN BILLIONS OF DOLLARS)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
WAGE AND SAL DISB	-.11306	-.23132	-.30048	-.32435	-.34638	-.36948	-.39519	-.42548	-.46165	-.50345
PROPRIETORS INCOME*	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
OTHER LABOR INCOME	-.01571	-.03075	-.03764	-.03807	-.03862	-.03961	-.04114	-.04333	-.04625	-.04996
DERIVATION OF PERSONAL INCOME BY PLACE OF RESIDENCE:										
TOT LABOR+ PROP INC	-.12876	-.26207	-.33813	-.36241	-.38499	-.40910	-.43633	-.46881	-.50790	-.55341
AS A % OF U.S.	-.003	-.005	-.006	-.006	-.006	-.006	-.006	-.006	-.006	-.005
LESS SOC INSR CNT	-.01056	-.02169	-.02828	-.03064	-.03284	-.03514	-.03770	-.04071	-.04430	-.04843
PLUS RESID ADJ	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
PLUS DIV,INT,RENT	-.00217	-.00574	-.00998	-.01379	-.01720	-.02054	-.02385	-.02723	-.03084	-.03463
PLUS TRANSFER PAY	.00233	.00332	.00141	-.00211	-.00542	-.00872	-.01198	-.01531	-.01882	-.02243
PERSONAL INCOME	-.11803	-.24280	-.31843	-.34767	-.37479	-.40320	-.43445	-.47064	-.51328	-.56204
AS A % OF U.S.	-.002	-.004	-.004	-.004	-.004	-.004	-.004	-.004	-.004	-.004
LESS TAXES	-.02334	-.04770	-.06195	-.06689	-.07146	-.07628	-.08166	-.08797	-.09548	-.10416
DISPOSABLE PER. INC	-.09469	-.19510	-.25648	-.28078	-.30331	-.32692	-.35278	-.38268	-.41779	-.45789
PCE - PRICE INDEX	-.017	-.040	-.060	-.073	-.079	-.084	-.087	-.090	-.092	-.096
REAL DIS PER INC$87	-.05480	-.10595	-.12927	-.13116	-.13243	-.13363	-.13481	-.13625	-.13800	-.13963
AS A % OF U.S.	-.001	-.003	-.003	-.003	-.003	-.003	-.003	-.003	-.003	-.003
R.D. INCOME PER/CAP	-.01324	-.02344	-.02474	-.02083	-.01780	-.01539	-.01358	-.01230	-.01143	-.01093
BREAKDOWN OF LABOR AND PROPRIETOR'S INCOME:										
MANUFACTURE	-.00498	-.00984	-.01193	-.01120	-.00967	-.00784	-.00597	-.00423	-.00269	-.00153
DURABLES	-.00298	-.00579	-.00679	-.00596	-.00460	-.00304	-.00147	-.00001	.00132	.00236
NONDURABLES	-.00200	-.00405	-.00515	-.00524	-.00507	-.00480	-.00450	-.00422	-.00401	-.00389
NON MANUFACTURE	-.11990	-.24299	-.31165	-.33255	-.35312	-.37574	-.40165	-.43260	-.46967	-.51261
MINING	-.00005	-.00009	-.00011	-.00011	-.00010	-.00009	-.00008	-.00007	-.00007	-.00006
CONT CONSTRUCTION	-.00592	-.01158	-.01403	-.01371	-.01322	-.01277	-.01243	-.01225	-.01226	-.01251
TRANSPORT+ PUB UT	-.00250	-.00506	-.00647	-.00674	-.00681	-.00681	-.00680	-.00685	-.00697	-.00719
FINANCE,INS,+ RE	-.00518	-.01078	-.01420	-.01522	-.01567	-.01587	-.01598	-.01615	-.01646	-.01699
RETAIL TRADE	-.00583	-.01193	-.01542	-.01636	-.01695	-.01743	-.01793	-.01859	-.01947	-.02062
WHOLESALE TRADE	-.00293	-.00599	-.00762	-.00781	-.00769	-.00743	-.00715	-.00692	-.00678	-.00677
SERVICES	-.09724	-.19705	-.25314	-.27189	-.29195	-.31458	-.34050	-.37096	-.40680	-.44754
AGRI/FOR/FISH	-.00024	-.00050	-.00066	-.00070	-.00073	-.00075	-.00078	-.00081	-.00086	-.00092
TOTAL GOVERNMENT	-.00389	-.00925	-.01454	-.01868	-.02221	-.02551	-.02871	-.03198	-.03554	-.03927
ST AND LOCAL GOVT	-.00353	-.00848	-.01348	-.01743	-.02082	-.02403	-.02712	-.03031	-.03377	-.03739
FED GOVT CIVILIAN	-.00035	-.00076	-.00107	-.00125	-.00138	-.00148	-.00158	-.00167	-.00178	-.00190
FED GOVT MILITARY	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
FARM	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

* IF ALL 0.0'S THEN PROPRIETORS INCOME HAS BEEN MERGED INTO OTHER LABOR INCOME.

CASE C - CONNECTICUT

TABLE 5: GRP BY FINAL DEMAND TABLE.
(BILLIONS OF 87 US DOLLARS-RECONCILED WITH VALUE ADDED)

	1996 FCST	1997 FCST	1998 FCST	1999 FCST	2000 FCST	2001 FCST	2002 FCST	2003 FCST	2004 FCST	2005 FCST
TOTAL GRP	-.10966	-.20517	-.23877	-.22897	-.21956	-.21139	-.20470	-.19991	-.19665	-.19464
TOTAL CONSUMPTION	-.07493	-.14455	-.17595	-.17784	-.17862	-.17939	-.18028	-.18155	-.18317	-.18477
AUTOS AND PARTS	-.00397	-.00766	-.00933	-.00943	-.00947	-.00952	-.00957	-.00963	-.00972	-.00981
FURN & HSEHLD EQ.	-.00506	-.00962	-.01154	-.01149	-.01138	-.01127	-.01119	-.01113	-.01109	-.01107
OTHER DURABLES	-.00173	-.00337	-.00415	-.00424	-.00430	-.00437	-.00443	-.00450	-.00458	-.00465
FOOD & BEVERAGES	-.01165	-.02232	-.02698	-.02709	-.02703	-.02698	-.02696	-.02701	-.02709	-.02721
CLOTHING & SHOES	-.00432	-.00832	-.01012	-.01022	-.01025	-.01028	-.01032	-.01038	-.01047	-.01055
GASOLINE & OIL	-.00171	-.00321	-.00380	-.00374	-.00367	-.00359	-.00353	-.00347	-.00342	-.00339
FUEL OIL & COAL	-.00088	-.00161	-.00184	-.00175	-.00166	-.00157	-.00148	-.00141	-.00133	-.00127
OTHER NONDURABLES	-.00591	-.01140	-.01386	-.01399	-.01404	-.01409	-.01414	-.01423	-.01435	-.01446
HOUSING	-.00980	-.01875	-.02265	-.02273	-.02266	-.02260	-.02257	-.02259	-.02265	-.02273
HSEHLD OPERATION	-.00462	-.00890	-.01082	-.01093	-.01097	-.01101	-.01106	-.01113	-.01122	-.01131
TRANSPORTATION	-.00275	-.00533	-.00653	-.00664	-.00671	-.00678	-.00685	-.00693	-.00703	-.00711
HEALTH SERVICES	-.01017	-.01992	-.02461	-.02523	-.02567	-.02611	-.02653	-.02699	-.02753	-.02801
OTHER SERVICES	-.01237	-.02414	-.02971	-.03036	-.03080	-.03123	-.03166	-.03214	-.03270	-.03320
TOTAL FIXED INVEST	-.03281	-.06018	-.06722	-.06000	-.05260	-.04578	-.03990	-.03507	-.03116	-.02826
RESIDENTIAL	-.01444	-.02627	-.02901	-.02575	-.02283	-.02034	-.01827	-.01657	-.01517	-.01407
NON RESIDENTIAL	-.00403	-.00740	-.00830	-.00741	-.00641	-.00546	-.00463	-.00394	-.00339	-.00300
PROD. DUR. EQUIP.	-.01434	-.02651	-.02990	-.02684	-.02335	-.01998	-.01701	-.01455	-.01260	-.01119
CBI NET IVA + MISC	-.00014	-.00021	-.00017	-.00006	.00002	.00007	.00010	.00011	.00011	.00007
GRPVA-GRPFD	-.00001	.00000	.00001	.00000	.00000	.00000	-.00001	.00001	-.00001	-.00001
TOTAL GOVERNMENT	-.00189	-.00488	-.00820	-.01086	-.01292	-.01462	-.01596	-.01704	-.01793	-.01858
FED GOV MILITARY	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
FED GOV CIVILIAN	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
ST/LOC GOV EDUC.	-.00084	-.00218	-.00369	-.00492	-.00590	-.00672	-.00738	-.00792	-.00839	-.00873
ST/LOC HLTH/WLFAR	-.00027	-.00066	-.00106	-.00134	-.00152	-.00164	-.00172	-.00176	-.00177	-.00177
ST/LOC SAFETY	-.00020	-.00053	-.00091	-.00123	-.00148	-.00169	-.00187	-.00202	-.00215	-.00224
ST/LOC MISCEL	-.00058	-.00151	-.00254	-.00337	-.00402	-.00456	-.00499	-.00534	-.00563	-.00584
TOTAL EXPORTS	-.06445	-.11881	-.13567	-.12732	-.11997	-.11388	-.10910	-.10567	-.10335	-.10184
EXOGENOUS EXP	-.06820	-.12893	-.15414	-.15413	-.15410	-.15407	-.15401	-.15398	-.15398	-.15380
ENDOGENOUS EXP	.00375	.01012	.01847	.02682	.03412	.04019	.04490	.04831	.05063	.05196
TOTAL IMPORTS	-.06457	-.12346	-.14844	-.14711	-.14453	-.14222	-.14046	-.13930	-.13884	-.13874
TOT GRP BY VAL ADD	-.10966	-.20517	-.23877	-.22897	-.21956	-.21139	-.20470	-.19991	-.19665	-.19464
TOT PRIV NF VAL AD	-.10483	-.19597	-.22752	-.21666	-.20578	-.19653	-.18916	-.18367	-.17992	-.17757
TOT GOV	-.00483	-.00920	-.01125	-.01231	-.01378	-.01486	-.01554	-.01624	-.01674	-.01708
TOT FARM VAL ADDED	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

OPNAV 5216/144A (Rev. 8-81)
S/N 0107-LF-052-2320

DEPARTMENT OF THE NAVY

Memorandum

DATE: 15 December 1994

FROM: J. E. Eimes (NAVSEA 08)

TO: CAPT B. V. Buzzell (BSAT)

SUBJ: RESOLUTION OF BSAT QUESTIONS REGARDING THE NUCLEAR SCHOOLS

1. This is further to our discussion on 13 December 1994. This memorandum updates the Charleston Weapons Station data to the year 2001, and provides additional discussion and historical data.

2. Original certified data recently provided for the Charleston Weapons Station was based to the maximum extent practical on the planning work already performed for the relocation of the nuclear schools to New London. This allowed a consistent comparison between New London and Charleston, and made the best use of the data already prepared by NAVFAC architect engineers. Specifically:

- The number of staff and student cars to be parked in Charleston is the same as the number of cars to be parked in New London. Parking in Charleston is surface parking vi the use of parking structures in New London. Parking was calculated based upon actual needs rather than the more generous figure allowed by Navy requirements. The Naval Audit Service requested that parking be based upon actual needs (see attachment 1).

- The required size of the schools' academic buildings is the same in both locations.

- The number of students using the BEQ in Charleston is the same as in New London. The BEQ area in both locations is 711K Square Feet (SF). Collateral equipment to outfit the BEQ is $15M in both locations. Additional BEQ space for staff is not required in either location.

- Charleston included $9.01M for the conversion of excess housing units to serve as BOQs. Charleston also included $1.48M for collateral equipment to outfit the BOQs. These numbers were in error, and should be corrected. Using the corrected numbers, the cost is $7.838M for 280K SF, and $1.286M for collateral equipment.

New London is not providing additional BOQ space. Officer

students will live on the economy in New London. Currently, Orlando does not provide BOQ space, and all officer students live on the economy. Charleston chose to provide BOQ space because of their desire to utilize some excess housing units.

- The number of staff and students using the galley is the same in both locations. Galley size in Charleston is 5K SF larger than in New London because some excess galley capacity exists in New London. This is not the case in Charleston; the Charleston galley size included in the certified data can handle all of the schools' staff and student needs.

- Each base individually determined the facilities needed for personnel support based on their existing infrastructure in this area. New London plans to refurbish some existing space and a 9.2K SF expansion while Charleston plans a 16K SF expansion. The individual bases are in the best position to determine these needs.

- The size of the expansion for medical and dental facilities is the same in both locations. Both locations have a hospital and satellite clinic(s), but need some expansion to accommodate the nuclear schools' staff, students, and dependents.

- Charleston included $212,000 for expansion of one of their fire departments. New London did not consider their fire department needed expansion.

In summary, Charleston and New London were treated consistently.

3. As we discussed, the change in force structure over the next few years does generally reduce the annual student throughput of the schools. However, the reduction is slight (about 8%) because the decrease in the submarine force is partially offset by the addition of Nimitz class aircraft carriers. The table below shows the schools anticipated Average-On-Board (AOB) numbers for the years 1997-2001.

	1997	**1998**	**1999**	**2000**	**2001**
NFAS AOB	1032	964	944	845	964
Enlisted NPS AOB	1181	1132	1080	1058	1082
TOTAL ENLISTED AOB	**2213**	**2096**	**2024**	**1903**	**2046**
OFFICER NPS AOB	**232**	**232**	**220**	**220**	**220**

The relocation of the schools to New London was planned to start

2281 AUG

in 1997 and to be completed in 1998. The relocation takes several months to accomplish so as not to interrupt the pipeline. Following Nuclear Power School, students attend further training at a prototype or Moored Training Ship and then report to the fleet. The size of the facilities planned for New London is based upon the years 1997-98. If relocation of the schools to Charleston was to occur in 2001 then the Charleston data could be reduced slightly as follows:

CATEGORY	ORIGINAL WPNSTA CERTIFIED DATA		WPNSTA DATA REVISED FOR 2001	COMMENTS
Horizontal: Parking (SY)	74K		70.5K	Parking decrease based on reduced student throughput.
Training (SF)	249K		243K	Spaces such as classrooms and laboratories reduced to reflect smaller class size.
Bachelor Quarters: BEQ (SF)	711K		667K	Applying student reductions, 667K was calculated by reducing the BEQ requirements by 760 SF for every 4 NFAS students less and 490 SF for every 2 NPS students less. The core areas are not affected.
Bachelor Quarters: BOQ (SF)	280K; $7.838M		280K; $7.838M	Corrected WPNSTA estimate based on using existing housing. Some officer students may still end up living on the economy. Not affected.
Dining Facilities (SF)	36K		36K	Dining Facilities requirements do not change between 2201 and 3000 persons to be served (see attachment 2).
Personnel Support (SF)	16K		16K	WPNSTA estimate based on expanding existing facilities. Not affected.
Medical Facilities (SF)	23K		23K	WPNSTA estimate based on expanding existing facilities. Not affected.
Environmental	$100K		$100K	WPNSTA estimate. Not affected.
Other: Expand Fire Station	14K; $.212M		14K; $.212M	WPNSTA estimate based on expanding existing facilities. Not affected.
Other: Collateral Equipment	$15M $1.286M		$13.9M $1.286M	BEQ amount reduced consistent with the decrease in the number of bunks. Corrected BOQ amount.

4. You also requested further explanation of how BEQ size and galley size were determined since the number of people using these facilities is larger that the AOB. The AOB reflects only the average number of students in the classroom based upon yearly throughput. AOB as the name implies is an average figure; variations from the average must be accounted for. Additionally, AOB only applies to people in class not other people attached to the command that are using the BEQ and galley. AOB is the starting point for determining BEQ and galley size. The following shows all factors that are summed to determine final BEQ size:

AOB
+ People awaiting class-up at "A" School.
  (class-up occurs 2 out of every three weeks)[1].
+ People awaiting class-up at Nuclear Power School.
  (class-up occurs every seven weeks).
+ ½ of a Nuclear Power School Class.
  Because of the class-up schedule and length of Nuclear Power School, the number of classes in session alternates between 4 and 3. By definition, the AOB is based upon 3.5 classes in session. When 4 classes are in session the "extra" ½ class must be berthed and fed.
+ People in a hold or limited duty status.
+ A small allowance for unit integrity and the segregation of females.
  CNET policy recommends that classes to be formed up as units. This is particularly important for "A" School where the first couple of months of the school continues basic military training started in boot camp. CNET also recommends avoiding berthing students having academic or military problems with acceptable students.

  "A" School students and the Nuclear Power School students can not be interchanged in the BEQ for a couple of reasons. First, in accordance with Navy guidelines, the "A" School students have smaller rooms than the students at Nuclear Power School. Second, "A" School is an unclassified school and the students do not, in general, have security clearances upon starting the school. Nuclear Power School is a classified school with access to Restricted Data and the students have security clearances. From a security standpoint, we do not mix "A" School students and Nuclear Power students in a BEQ

---

[1] Frequent class-up at "A" school was chosen so that the number of students in each class would be small thus minimizing the amount of costly laboratory equipment that must be provided. At Nuclear Power School, a class-up of every seven weeks was chosen to fill relatively large classrooms so that the number of instructors needed is minimized.

room suite.

Finally this factor takes into account the fact that females should be segregated in some fashion (e.g., on separate floors or wings).

The Naval Audit Service reviewed the above calculation method (see attachment 1). The above method gives a BEQ size of 2800 in New London for 1997-1998 (see attachment 1), and a BEQ size of 2600 in the year 2001.

The above BEQ calculation method also applies to determining galley size except that the allowance for unit integrity and the segregation of females is not necessary. Also, some staff eat lunch at the galley; this was taken into account in determining final galley size.

5. One final note. The most recent Charleston scenario certified data submitted by New London assumes that the nuclear schools would relocate to Charleston starting in 1999 and complete the relocation in 2000. If relocation were delayed until the year 2001, then annual operating funds for the year 2000 and part of the year 2001 would have to be provided in a budget other than Charleston's.

6. If you have any additional questions please feel free to call.

J. E. Eimes

J. E. Eimes
By direction

BRAC-95 CERTIFICATION
SCENARIO

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

James E. Eimes
NAME (Please type or print)

James E. Eimes
Signature

Engineer
Title

2/17/95
Date

08B
Division/Department

NAVSEA
Activity

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950621-26

FROM: MCCOLLUM, BILL	TO: COX, REBECCA
TITLE: REP. (FL)	TITLE: COMMISSIONER
ORGANIZATION: U.S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION (s) DISCUSSED: NAVY NUCLEAR POWER TRAINING COMMAND	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR./CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE	✓		
DIR./COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER		X	
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

✓	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

STATING REDIRECTING ~~NAVY~~ NNPTC TO ORLANDO WOULD BE CHEAPER OPTION

Due Date: 950623	Routing Date: 950621	Date Originated: 950621	Mail Date:

BILL McCOLLUM
8TH DISTRICT, FLORIDA

CHAIRMAN
SUBCOMMITTEE ON CRIME

COMMITTEE ON
JUDICIARY

COMMITTEE ON
BANKING AND FINANCIAL SERVICES

SELECT COMMITTEE ON INTELLIGENCE

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TOLL FREE FROM KISSIMMEE
931-3422

June 21, 1995

Please refer to this number when responding 950621-26

The Honorable Rebecca Cox
Base Closure and Realignment Commission
1700 N. Moore Street, Suite 1425
Arlington, VA 22209

Dear Rebecca:

As one would expect, the Navy has continued to alter its numbers with respect to the redirect on the Navy Nuclear Power Training Command (NNPTC). However, the basic point that I want to make with you remains unchanged. If the Commission accepts the Navy's recommendation, $147 million will be spent to build a new NNPTC in Charleston for no real savings over 20 years. If NNPTC is redirected to remain in Orlando the total cost would be $8 to $25 million depending on whose numbers you believe.

This reality is masked due to the requirement that COBRA models be run assuming a "fictional" $162 million cost avoidance in the redirect from New London to Charleston or Orlando. I understand the technical rationale for this cost avoidance computation, but in the real world it is a fiction. It should not be used to justify a gross waste of taxpayers' money.

The Navy is saying that by spending $147 million one time cost to move NNPTC to Charleston there will be a Net Present Value (NPV) over 20 years of $125 million. Your staff suggests that it will be less than that, but if assuming this Navy figure, and deleting the $162 million cost avoidance associated with New London (i.e. treating this as though it were a direct move from Orlando to Charleston instead a "redirect"), the Return On Investment (ROI) or "break even year" would be year 26. There would be no savings over the 20 years used in the COBRA model.

I will note that all of the computer runs are likely to show NPV costs rather than savings by keeping NNPTC in Orlando. But please remember that there would be costs rather than savings on an NPV of 20 years for the redirect to Charleston if the $162 million cost avoidance weren't there, and the "savings" of not spending the $147 million in keeping NNPTC in Orlando and not building a new one in Charleston far out weighs any of this.

Under the rules of the game your staff will have to produce the slides on this subject including the $162 million "fictional" cost avoidance. I would greatly appreciate it if during discussions privately and publicly on this redirect you educate

your fellow commissioners on the point I am making so they can see for themselves the reality of this situation. I don't believe anybody else would take the time to really understand this even though it is quite straightforward.

Many, many thanks for all of your consideration in this.

Sincerely,

BILL McCOLLUM
Member of Congress

P.S. Enclosed is a copy of my letter to you of June 13, 1995 which you indicated you may not have received. The NPV figures are out of date as we now have the Navy's current numbers. The other details are still accurate and may be of use to you in understanding this letter.

TALKING PAPER

Naval Nuclear Power Training Command (NNPTC) move to Naval Weapons Station (NWS) Charleston

- BRAC 93 directed move of NNPTC from NTC Orlando to SubBase New London, due to closure of NTC Orlando. Department of Navy (DON) recommended moving submarines from New London.

- BRAC 93 kept submarines at New London, despite DON recommendation.

- Result was need to do extensive construction/renovation at New London to accommodate NNPTC.

- For BRAC 95, DON and SECDEF recommended that NNPTC be re-directed from SubBase New London to NWS Charleston, at considerable savings in one-time costs:

  One time costs for Charleston--$147.9 M
  One time costs for New London--$162.5 M

- Location of NNPTC at NWS Charleston makes possible considerable savings in annual operating costs over Orlando:

  Annual operating costs at Charleston--$11.5 M (Navy says this figure may be high)
  Annual operating costs at Orlando--$21 M

- NWS Charleston already is location for nuclear propulsion prototype (hands-on) engineering training at the Nuclear Power Training Unit (NPTU), which is composed of two demilitarized nuclear submarines. Students completing the Nuclear Power School at NNPTC go to the NPTU. (Prototype training is also conducted at Ballston, New York)

  --If the NNPTC is located either in Orlando or New London, <u>all</u> graduates will have to be moved to prototype training: one half to Charleston and one half to Ballston, N.Y.

  --If the NNPTC is located in Charleston, <u>only one half</u> of the graduates will have to move to prototype training at Ballston.

--Location of the school in Charleston allows considerable savings in:

Mileage Allowance
Dislocation Allowance (DLA)
Temporary Lodging Allowance (TLA)
Movement of Household Goods (HHG)
Dependents Travel Allowance
Time Saved

--Navy estimates annual savings of $6.2 M and stands by that number despite claims by New London and Orlando.

- **Bottom Line: Net present value of the costs and savings over 20 years is a savings of $71.1 M.**

- Environment: Naval Facilities Engineering Command (NAVFAC) has determined that an Environmental Impact Statement (EIS) is not needed and that an Environmental Assessment (EA) is all that is required. An EA is scheduled for July 1, 1995.

- Explosive Safety Quantity Distance (ESQD): There is no ESQD encroachment on the proposed site for the NNPTC.

SEE NAVY STATEMENT (ATTACHED) AND COMMENTS ON ORLANDO SUBMISSION (ATTACHED)

NAVY STATEMENT

BRAC-95 Recommendation to Redirect Naval Nuclear Power Training Command to Charleston, SC

Background. In the 1993 round of base closures (BRAC-93), the Department of the Navy (DON) closed two Naval Training Centers (NTCs), one in Orlando, Florida and one in San Diego, California. It was estimated that these closure actions would result in annual savings of over $76 million per year ($43 million per year attributable to the Orlando portion of the action). As a part of these closure actions, certain tenants at these closing activities, including the Naval Nuclear Power Training Command (NNPTC) in Orlando, needed to be relocated. At the time, DON recommended that NNPTC be relocated to Submarine Base New London, to take advantage of facilities made available by the DON BRAC-93 recommendation to close the piers at New London. Once the 1993 Base Closure and Realignment Commission overturned the DON recommendation regarding the piers at New London, the costs to construct new facilities for NNPTC at New London increased. As a result, during the BRAC-95 process, DON examined the Weapons Station (WPNSTA) Charleston as an alternative receiving site for NNPTC, which both reduced up-front construction costs and also resulted in recurring savings associated with eliminated PCS costs for follow-on tours at the moored training facility at Charleston. The BRAC-95 decision to "redirect" NNPTC to Charleston rather than New London represents a refinement of the DON BRAC-93 recommendation which will result in additional savings beyond those identified for the BRAC-93 decision to close NTC Orlando.

BRAC-95 Action. During the BRAC-95 process, DON evaluated the selection of an alternative receiving site for NNPTC. This evaluation was made to determine whether relocation of this tenant could be accomplished at a reduced cost to the taxpayer. The selection of WPNSTA Charleston resulted in the reduction of $15 million in "up-front" costs to implement this move. By collocating NNPTC with follow-on training at WPNSTA Charleston, DON was also able to significantly reduce travel costs for NNPTC graduates. It should be noted that these recurring savings are in addition to the original savings associated with the closure of NTC Orlando.

BRAC-95 Costs/Savings Estimates.

Costs/savings associated with relocation to Charleston instead of New London. Construction costs associated with relocation of NNPTC to New London have been estimated at $163 million. Costs at WPNSTA Charleston are estimated to be $148 million, resulting in a reduction in costs of $15 million dollars. For purposes of conducting our analyses, we assumed that moving costs from Orlando to New London would be roughly equal to moving costs from Orlando to Charleston. In reality, we would also expect to see a slight reduction in moving costs, since the distance from Orlando to Charleston is less than the distance from Orlando to New London. Collocation with follow-on training at Charleston provides DON with additional savings beyond those estimated in BRAC-93.

Costs of continued operation in Orlando. Continued operation of NNPTC at Orlando is not considered a desirable option, supported by either economic considerations or public policy

considerations that we don't close and open bases in each round of base closure. Creation of a stand-alone NNPTC training facility in Orlando would require the retention of all of the infrastructure necessary to support this activity, i.e., public works, security, housing, galley, medical/dental, chapel, exchange, family services, personnel support, and morale, welfare and recreation (MWR). Retention of this infrastructure would not only result in a significant cost increase to the taxpayer by foregoing a substantial portion of the savings associated with closing NTC Orlando, but would also significantly impede any community re-use plans for the Orlando site.

Costs to operate NNPTC at Orlando as a stand-alone facility have been estimated over $21 million per year. Included in these costs are over $19 million dollars in base operations costs. These high costs reflect the fact that a full range of support services will have to remain in Orlando to support NNPTC. We believe that this estimate may still understate some of the costs associated with this operation. Conversely, relocation of NNPTC to an already operational DON installation, in this case WPNSTA Charleston, allows us to make use of all of the fixed infrastructure already present at Charleston, e.g., perimeter security, public works, MWR facilities, etc. Costs at Orlando also include almost $2 million in Variable Housing Allowances (VHA) for active duty personnel that live off-base. In Charleston, on-base housing will be available for all staff, all enlisted students and married officer students.

There will be some incremental increases in operational costs at Charleston to accommodate relocating students and instructors. Our initial estimate of these costs at WPNSTA Charleston is $11.5 million per year. This cost estimate has been calculated using the standard Department of Defense base closure costing algorithms and reflects an annual operating cost differential of $9.5 million less than the cost of continued operation in Orlando. We believe that this annual cost differential of almost $10 million is a very conservative estimate, since the estimated cost increases at Charleston are based on current operating costs at Charleston, which reflect industrial and technical functions which cost far more per person to operate than the cost of operating training facilities. We expect that, in implementation, actual base operation costs at Charleston will be less than the current estimate.

Our analysis also looked at other changes in costs associated with this action. While the basic training costs associated with instructors, materials and supplies, etc., is expected to be roughly equivalent at either Orlando or Charleston, collocation of NNPTC with its primary follow-on training site will eliminate travel costs associated with moving students and their families from NNPTC to follow-on training at the moored training facility. We estimated that this action will result in reduced travel costs of $6.2 million per year, using the standard DoD base closure costing algorithms for these types of costs, for both officers and enlisted, single or married. This $6.2 million annual savings on top of the $9.5 million reduction in operating costs, equates to almost $16 million dollars in annual savings of operation of NNPTC in Charleston instead of Orlando, a figure which we are confident we can improve upon as we actually go through the implementation process.

Comments on Orlando Data Submission

On May 17th an uncertified, unaudited data submission was made to the BRAC by Representative McCollum (Orlando) in support of leaving the Nuclear Propulsion School (NPS) in Orlando vice moving it to Charleston. The submission purports significant savings by leaving the NPS in Orlando. The source of the data is unknown and did not come from official Navy sources. The following comments are provided:

- **Base Operating Support Costs (BOS)** The Orlando paper claims annual BOS costs at a stand alone NPS in Orlando will only be $2.0M. The certified BOS costs submitted by the Navy, which the Navy continues to support, are $19.3M.

- **Permanent Change of Station (PCS) Savings** The Orlando paper contends that annual PCS savings resulting from moving the school to Charleston are only $839K. The certified PCS savings submitted by the Navy, which the Navy continues to support, are $6.2M.

- **Variable Housing Allowances (VHA)/ Basic Allowance for Quarters (BAQ)** The Orlando submission did not include either VHA or BAQ costs. Since there would be no BOQ or family housing at Orlando, all officers and all married enlisted students and staff will be required to live in private housing and will draw both VHA and BAQ.

  Historical analysis of the NPS student thru-put indicated the following composition:

  8% officer; 92% enlisted
  30% married; 70% single
  85% enlisted in pay grade E4; 94% officers in pay grade 01

  The monthly VHA/BAQ rates for pay grades E4 and 01 are as follows:

E4 with one dependent:	BAQ $370.80	VHA $138.60
01 with one dependent:	BAQ $445.80	VHA $ 94.50
01 with no dependents:	BAQ $328.50	VHA $ 69.45

  Using the above rates, which are the lowest possible, budgeted thru-put for the year 2000, and the historical student composition, the minimal annual costs that will be incurred for the married officer and enlisted students and single officer students will be over $4.6M. This cost will actually be significantly greater since it does not include the NPS staff, all of whom will be required to live off base, nor does it account for those students of higher rank/rate who are entitled to greater VHA/BAQ rates.

- **Military Construction Costs (MILCON)** The Orlando submission indicates a requirement for $8.0M in MILCON if the NPS remains at Orlando. The specific requirement is nor identified and the Navy has not included this $8.0M in any of its submissions or calculation of savings by moving the school the Charleston. If there is an $8.0M MILCON cost to leave the school in Orlando, this, along with the information discussed above, further increases the total savings to the government by moving the NPS school to Charleston.

RELEVANT POINTS

- **Quality of Life**

  --Charleston offers highest quality of life for enlisted men in the U.S. Navy

  --Charleston offers most affordable housing available to enlisted men.
  - ÷Only Navy location is U.S. where a second-class petty officer (E-5) can afford to buy a house

- **Retiree Mentors**

  --Increasingly important in U.S. Navy and other services:
  - ÷Provide career counseling
  - ÷Assist in retention of quality personnel

  --Retirees' opinions increasingly sought

  --S.C. Sixth Congressional District has one of highest numbers of retirees in nation

Shift Colors

The newsletter for Navy retirees

Volume 40 Issue 1 | The Bureau of Naval Personnel | Spring 1995

MESSAGE FROM THE CNP

VADM Skip Bowman, USN Chief of Naval Personnel

Thanks for your warm response to my letter in the Winter 1994 issue of Shift Colors. I was absolutely delighted to hear that you still feel like part of our team and wear your "U.S. Navy retired" jerseys with pride!

Many of you asked about opportunities for continued service as volunteers. I was touched by your generosity, and by the knowledge that you still care so much about our Navy family. The extra pair of hands and varied skills you can provide would be welcomed in such places as Family Service Centers, USO Clubs, Navy hospitals, recruiting stations, and Retired Activities Offices (RAOs) throughout the country. More to follow. . . In the meantime, your local RAO may be aware of volunteer opportunities in your area, and would be happy to hear from you. To locate the RAO nearest you, see page 13 or contact our BUPERS Retired Activities Section at 1-800-255-8950. We're standing by to help.

In several of your letters, you also mentioned your willingness to mentor young Navy men and women, formally or informally. You're right on target—there's clearly a need for the coaching and feedback mentoring provides. As I write this, we're putting the finishing touches on a Fleet-wide program designed to ensure career-long mentoring for all our members. As we continue to "rightsize," and the world picture continues to change, your experience and sense of perspective are invaluable to junior personnel, and can influence their decisions to "stay Navy." You'll hear more about our mentoring plan in coming months. Thanks for your interest.

In a recent memo to all hands, I asked our BUPERS team to remember your contributions and continue working hard to meet your needs. Our new motto is "we listen. . .we care. . .we will try to say YES!" I'm pleased to share with you that this approach is already paying dividends, as I learned from a retired senior chief who wrote to thank our Incapacitated Dependent Program Office for its quick response to his special problem. In the senior chief's letter, he said, "If this is any indication of the support we retirees, along with active duty personnel, can expect from the 'new' BUPERS, then I give you you my thanks for changing the system and making it a pleasure to do business with the bureau."

Our goal is to make it a pleasure for everyone to do business with us. I'm getting smarter on issues that are unfair or unnecessarily burdensome to you, our retired family. So is the CNO, ADM Mike Boorda. We are speaking out—a lot! Let our Retired Activities Section know what we can do to serve you better. We look forward to hearing from you!

inside SHIFT COLORS...

Page 4 SECNAV's 1994 ACRP responses

Page 12 CHAMPUS news

Page 14-15 Get On-Line!

Addendum to Relocation Profile

Proposed Charleston, S.C.
Naval Nuclear Power Training Command

Presented to
1995 Base Closure and Realignment Commission

Submitted by
In Defense of Charleston
a strategic team of the Charleston Metro Chamber of Commerce

June 9, 1995

FOREWORD

On April 26, 1995 In Defense of Charleston submitted a Relocation Profile to the BRAC Commission regarding DoD's recommendation to redirect the Naval Nuclear Power Training Command (NNPTC) to Naval Weapons Station (NWS) Charleston. Subsequently, New London briefed the Commission, presenting their case for moving the NNPTC to New London, vice going to NWS Charleston.

This information is submitted as an addendum to the Relocation Profile, providing in greater detail relevant information about the NNPTC's relocation to Charleston, and clarifying some of the information provided by New London.

REBUTTAL OF NEW LONDON TESTIMONY REGARDING REDIRECT OF NNPTC TO NWS CHARLESTON

IN DEFENSE OF CHARLESTON

New London Briefing

WHAT HAS CHANGED SINCE BRAC '93?

Charleston option available in 1993 - Not selected

Navy recommended all submarine training be focused at New London- BRAC concurred - Congress approved

NOW NAVY SAYS

Relocate schools to Charleston because:

- Some facilities at New London no longer available
- Co-location with moored training ships enhances training capability
- Avoids significant building / renovation costs at New London

No other alternatives considered; no configuration comparisons

New London Said . . .

. . . the Charleston option was available but not selected in BRAC 93. (The implication being Charleston was considered and rejected.)

Reality Is . . .

As shown in the attached letter (Exhibit C), Charleston was not considered for the NNPTC in BRAC 93. "Charleston was not considered as a receiving site for the NNPTC during the 1993 round," states C.P. Nemfakos, vice chairman of the Base Structure Evaluation Committee.

New London Briefing

WHAT HAS CHANGED SINCE BRAC '93?

Charleston option available in 1993 - Not selected

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NOW NAVY SAYS

Relocate schools to Charleston because:

- Some facilities at New London no longer available
- Co-location with moored training ships enhances training capability
- Avoids significant building / renovation costs at New London

No other alternatives considered; no configuration comparisons

New London Said . . .

. . . the Navy did not go through the "normal form of selection" in opting for Charleston in 1995 and there were no other options considered.

Reality Is . . .

Charleston and New London were optional site locations considered by the Navy Base Structure Analysis Team (BSAT) and Base Structure Evaluation Committee (BSEC). New London did not identify any specific deviations.

New London Briefing

NAVY JUSTIFICATION #1
FACILITIES NO LONGER AVAILABLE

1993 Navy School proposal included reuse of six existing buildings for training and two old BEQs for berthing

1993 BRAC unanimously rejected DOD / Navy proposal to remove all subs from New London

- Old BEQs now not available
- Would have required major renovation

All facilities for training are still available

New London Said . . .

. . . its training facilities are still available, even though the submarines were not removed from the base.

Reality Is . . .

These facilities need at least $36 million for renovation, according to Navy figures.

New London Briefing

New London Said . . .

. . . the proposed site at NWS Charleston is all "woods and wetlands," as shown above.

Reality Is . . .

The photo shown in New London's book was taken at Naval Weapons Station Charleston, but the photo was not taken at the proposed site for the NNPTC. As clearly demonstrated in exhibits A and B, the proposed site is located on approximately 100 acres of highlands and is immediately adjacent to extensive infrastructure.

New London Briefing

NAVY JUSTIFICATION #2

CO-LOCATION WITH MOORED TRAINING SHIPS

Two moored ships at Charleston for reactor training

- In 2001, ~ 1/2 of NPS students will utilize
- Remaining ~ 1/2 will train in Idaho or New York
- Charleston location = annual PCS savings ($537,000)
  - At least equal PCS savings at New York or Idaho
    - -- Navy did not consider any other options

In certified data based on actual costs, this savings called PCS or Permanent Change of Station savings is just over half a million dollars per year. In the COBRA, Navy has claimed an annual savings of $6.3M, more than 10 times the actual costs. This accounts for the entirety of annual savings shown in COBRA numbers.

New London Said . . .

. . . the Navy's claimed COBRA PCS savings in Charleston are more than 10 times the actual savings.

Reality Is . . .

The Navy maintains that the PCS savings, using Navy budget figures, will be $6.2 million. In addition, it should be noted that no officer students at New London will live in government housing: all officer students, married and single, will be required to live in civilian housing at significant VHA and BAQ **cost** to the government. There will be ample government housing available aboard NWS Charleston for all students -- officer and enlisted, married and single.

New London Briefing

SCHOOLS LOCATED IN NEW LONDON

- Co-located with Basic and Advanced Submarine School
- Co-located with advanced technical schools
- Co-located with operating nuclear fleet units
- Ultimate permanent duty station for many
  - PCS savings for instructors to and from school omitted

New London Said . . .

. . . there is an advantage in co-location.

Reality Is . . .

Co-location has never been a consideration in the past. However, the nuclear propulsion prototype unit is in Charleston, and its training is directly related.

New London Briefing

SCHOOLS LOCATED IN NEW LONDON

- Co-located with Basic and Advanced Submarine School
- Co-located with advanced technical schools
- Co-located with operating nuclear fleet units
- Ultimate permanent duty station for many
  - PCS savings for instructors to and from school omitted

New London Said . . .

. . . the submarine base will be the ultimate permanent duty station for many of the students, thus increasing PCS savings.

Reality Is . . .

The number of nuclear powered submarines in New London will be a relatively small number, and the PCS savings are likely to be minuscule. A statement from the Department of the Navy (Exhibit D) says, "In 2001, 26 attack submarines will be assigned to CINCLANTFLT and 25 will be assigned to CINCPACFLT. Their homeports are subject to change and are at the discretion of the fleet commanders. Ballistic missile submarines will only be homeported at Kings Bay, Georgia and Bangor, Washington, and the number will vary based on strategic requirements. Current plans call for ten east coast and eight west coast ballistic missile submarines." Some nuclear attack submarines will be based at Norfolk; therefore, it is unlikely that the relatively small number of nuclear powered submarines based at New London will contribute to any significant savings in PCS costs.

New London Briefing

NAVY JUSTIFICATION #3

AVOIDS SIGNIFICANT BUILDING / RENOVATION COSTS AT NEW LONDON

Navy proposal COBRA claim:

Total estimated costs at Charleston	$ 147.9 M
• Net savings during implementation period	$ 19.5 M
• Annual savings after implementation	$ 5.3 M
• Net present value savings over 20 years	$ 71.1 M

MIL CON		1996	1997	1998	1999	2000	2001	
$ M	NLON	2.4	120.1	40	0	0	0	162.5
	CHASN	56.1	22.1	22.1	22.1	22.1	0	144.5
								Δ18.0

New London Said . . .

. . . the Navy claims it avoids significant building and renovation costs in New London (by redirecting the NNPTC school to Charleston.)

Reality Is . . .

The Navy is correct.

The building cost index for New London equals 1.25; the building cost index for Charleston is only 0.85. For instance, it costs less to build a new training facility in Charleston than it does to renovate the existing training facilities in New London.

New London Briefing

NAVY JUSTIFICATION #3

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	CHASN	56.1	22.1	22.1	22.1	22.1	0	144.5
								Δ18.0

New London Said . . .

. . . MILCON cost estimates for Charleston are not as high quality as MILCON cost estimates for New London.

Reality Is . . .

MILCON cost estimates for Charleston are just as high quality as MILCON cost estimates for New London. MILCON costs for Charleston have been affected by new CNO revisions to BEQ standards and have been included in Charleston MILCON cost estimates. New London estimates will have to be revised in accordance with the new CNO standards, and will have a greater impact there because building costs are significantly higher in New London than Charleston.

New London Briefing

PROBLEMS WITH NAVY PROPOSAL

- Two very different facilities are compared
- Significant costs of Charleston alternative omitted from COBRA calculations

New London Said . . .

. . . "there are significant problems with the Navy proposal. They are comparing apples with oranges. We believe they have also left out a lot of known and certified costs."

Reality Is . . .

The Navy is correct.

It is comparing one size apple with another size apple. The difference is in sizing the training facilities and BEQ -- a 7% difference. Add 7% to Charleston's costs, or subtract 7% from New London's costs, and Charleston still costs less -- a savings either way. No known or certified costs were omitted from the COBRA model.

New London Briefing

COMPARISON OF VERY DIFFERENT FACILITIES

New London	Charleston
1997 student requirement	2001 student requirement (~170 fewer on board)
Designed and budgeted	Computer-generated estimate "non-budget quality costs"
BEQ 100%, all others > 35% design review	No site plan or footprint
Ready for bid	
Complete in 1999	Complete in 2001

New London Said . . .	Reality Is . . .
. . . design for their BEQ is 100% completed.	New London's BEQ design is indeed completed . . . but only to outdated standards. The Charleston BEQ is designed to the new Navy standards. Therefore, the New London BEQ must be re-designed to meet these new standards if it were to be built.
. . . "Charleston is a computer concept with 'non-budget quality cost numbers.'"	Charleston cost estimates are budget quality, based on certified data.
. . . Charleston has no site plan.	Charleston has a site plan and footprint (NAVFAC plan).

New London Briefing

COMPARISON OF VERY DIFFERENT FACILITIES

New London	Charleston
1997 student requirement	2001 student requirement (~170 fewer on board)
Designed and budgeted	Computer-generated estimate "non-budget quality costs"
BEQ 100%, all others > 35% design review	No site plan or footprint
Ready for bid	
Complete in 1999	Complete in 2001

New London Said . . .

. . . Charleston construction will not be completed until year 2001.

Reality Is . . .

NWS Charleston anticipates completion of construction in 1999, not 2001.

New London Briefing

FACILITY COMPARISON

New London (1997) (> 35% Design Review)		Charleston (2001) (No Design)
711 KSF	BEQ	667 KSF
249 KSF	Training	243 KSF
36 KSF	Galley	36 KSF
74 KSY	Parking	70.5 KSY
16 KSF	Pers Sup	16 KSF
23 KSF	Med / Den	23 KSF
$ 1.3 M	Telephone	$ 0 M
0	Expand Fire	14 KSF
Cost $ 162.5 M (BUDGETED)		$ 144.4 M (COBRA)
	New London termination	$ 3.1 M
		$ 147.5 M

New London Said . . .

. . . their BEQ requires 711 KSF, and Charleston's requires 667 KSF.

Reality Is . . .

New BEQ standards require 886 KSF for Charleston. If it were to be built, the New London BEQ must be re-designed to the same new standards. If their planned excess capacity is to be maintained, 944 KSF will be required for New London.

New London Briefing

FACILITY COMPARISON

New London (1997) (> 35% Design Review)		Charleston (2001) (No Design)
711 KSF	BEQ	667 KSF
249 KSF	Training	243 KSF
36 KSF	Galley	36 KSF
74 KSY	Parking	70.5 KSY
16 KSF	Pers Sup	16 KSF
23 KSF	Med / Den	23 KSF
$ 1.3 M	Telephone	$ 0 M
0	Expand Fire	14 KSF
Cost $ 162.5 M (BUDGETED)		$ 144.4 M (COBRA)
	New London termination	$ 3.1 M
		$ 147.5 M

New London Said . . .

. . . renovating their existing training facilities will be more cost-effective than constructing **new** facilities in Charleston.

Reality Is . . .

The cost to construct a **new** training facility in Charleston ($27.7 million) is **significantly** less than the cost of renovating existing training facilities in New London (at least $36 million).

New London Briefing

FACILITY COMPARISON

New London (1997) (> 35% Design Review)		Charleston (2001) (No Design)
711 KSF	BEQ	667 KSF
249 KSF	Training	243 KSF
36 KSF	Galley	36 KSF
74 KSY	Parking	70.5 KSY
16 KSF	Pers Sup	16 KSF
23 KSF	Med / Den	23 KSF
$ 1.3 M	Telephone	$ 0 M
0	Expand Fire	14 KSF
Cost $ 162.5 M (BUDGETED)		$ 144.4 M (COBRA)
	New London termination	$ 3.1 M
		$ 147.5 M

New London Said . . .

. . . a 36 KSF galley will have to be constructed in Charleston.

Reality Is . . .

According to Naval Facilities Engineering Command's figures, the correct square footage for the galley in Charleston is 31 KSF at a cost of $6.6 million. The cost for a 36 KSF galley in New London is $8.1 million, per New London's testimony.

New London Briefing

FACILITY COMPARISON

New London (1997) (> 35% Design Review)		Charleston (2001) (No Design)
711 KSF	BEQ	667 KSF
249 KSF	Training	243 KSF
36 KSF	Galley	36 KSF
74 KSY	Parking	70.5 KSY
16 KSF	Pers Sup	16 KSF
23 KSF	Med / Den	23 KSF
$ 1.3 M	Telephone	$ 0 M
0	Expand Fire	14 KSF
Cost $ 162.5 M (BUDGETED)		$ 144.4 M (COBRA)
	New London termination	$ 3.1 M
		$ 147.5 M

New London Said . . .

. . . the New London 74 KSY parking garage will be comparable to Charleston's 70.5 KSY parking lots in cost.

Reality Is . . .

The parking requirement in New London can be solved only by construction of a multi-level parking **garage**; whereas, Charleston only needs to pave parking **lots**. The 70.5 KSY for parking in Charleston is already included in the $13.2 million site development costs, including all paving (roads, parking lots, basketball courts, walkways, etc. for $4 million). Cost for a parking garage in New London is an additional $22.4 million.

New London Briefing

FACILITY COMPARISON

New London (1997) (> 35% Design Review)		Charleston (2001) (No Design)
711 KSF	BEQ	667 KSF
249 KSF	Training	243 KSF
36 KSF	Galley	36 KSF
74 KSY	Parking	70.5 KSY
16 KSF	Pers Sup	16 KSF
23 KSF	Med / Den	23 KSF
$ 1.3 M	Telephone	$ 0 M
0	Expand Fire	14 KSF
Cost $ 162.5 M (BUDGETED)		$ 144.4 M (COBRA)
	New London termination	$ 3.1 M
		$ 147.5 M

New London Said . . .

. . . a new facility will be needed for personnel support in Charleston.

Reality Is . . .

Personnel support will be handled in existing buildings, with no extra costs. Cost for personnel support facilities in New London will be $2.6 million.

New London Briefing

FACILITY COMPARISON

New London (1997) (> 35% Design Review)		Charleston (2001) (No Design)
711 KSF	BEQ	667 KSF
249 KSF	Training	243 KSF
36 KSF	Galley	36 KSF
74 KSY	Parking	70.5 KSY
16 KSF	Pers Sup	16 KSF
23 KSF	Med / Den	23 KSF
$ 1.3 M	Telephone	$ 0 M
0	Expand Fire	14 KSF
Cost $ 162.5 M (BUDGETED)		$ 144.4 M (COBRA)
	New London termination	$ 3.1 M
		$ 147.5 M

New London Said . . .

. . . that New London, along with Charleston, will need 23 KSF of new medical and dental facilities construction.

Reality Is . . .

Charleston needs 15 KSF, not 23 KSF, of construction at the existing medical/dental facility at a cost of $4 million. New London requires 23 KSF costing $6 million.

New London Briefing

FACILITY COMPARISON

New London (1997) (> 35% Design Review)		Charleston (2001) (No Design)
711 KSF	BEQ	667 KSF
249 KSF	Training	243 KSF
36 KSF	Galley	36 KSF
74 KSY	Parking	70.5 KSY
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0	Expand Fire	14 KSF
Cost $ 162.5 M (BUDGETED)		$ 144.4 M (COBRA)
	New London termination	$ 3.1 M
		$ 147.5 M

New London Said . . .

. . . telephone costs for Charleston are a separate line item as they are for New London.

Reality Is . . .

The telephone costs in Charleston have already been included in the site development costs. Because New London has to renovate, their telephone costs must come under a different line item, costing $1.3 million.

New London Briefing

FACILITY COMPARISON

New London (1997) (> 35% Design Review)		Charleston (2001) (No Design)
711 KSF	BEQ	667 KSF
249 KSF	Training	243 KSF
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0	Expand Fire	14 KSF
Cost $ 162.5 M (BUDGETED)		$ 144.4 M (COBRA)
	New London termination	$ 3.1 M
		$ 147.5 M

New London Said . . .

. . . expanded fire protection will be required for NNPTC at NWS Charleston.

Reality Is . . .

The expanded fire protection shown comes from requirements for the Army's new Strategic Mobility Logistics Base (SMLB). The NNPTC will benefit even though there will be no cost requirement to the Navy.

New London Briefing

FACILITY COMPARISON

New London (1997) (> 35% Design Review)		Charleston (2001) (No Design)
711 KSF	BEQ	667 KSF
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	New London termination	$ 3.1 M
		$ 147.5 M

New London Said . . .	Reality Is . . .
. . . terminating their design contracts will cost $3.1 million.	The actual cost of terminating these contracts will be $100,000. (Exhibit D)

New London Briefing

FACILITY COMPARISON

New London (1997) (> 35% Design Review)		Charleston (2001) (No Design)
711 KSF	BEQ	667 KSF
249 KSF	Training	243 KSF
36 KSF	Galley	36 KSF
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Cost $ 162.5 M (BUDGETED)		$ 144.4 M (COBRA)
	New London termination	$ 3.1 M
		$ 147.5 M

New London Said . . .

. . . New London's costs are budgeted, and Charleston's cost are COBRA.

Reality Is . . .

Total Charleston one-time cost is $147.8 million. This cost is budget quality based on certified data, not the COBRA model. Adding $0.1 million for New London contract termination costs brings total Charleston cost to $147.9 million.

New London Briefing

SIGNIFICANT COSTS OMITTED FOR CHARLESTON OPTION

Design, architect and engineering costs omitted
- Detailed in certified data $ 10.48 M

Infrastructure costs omitted
- No roads or drainage $ unspecified
- No sewage or water "
- No electrical "
- No telephones (New London modification $ 1.8 M)

No EIS or EA (wetlands, threatened species)
- No permitting costs - $ 100 K mitigation

Support facilities costs omitted
- No costs for support activities moving from closed Naval Station
- No costs for any athletic accommodations
  - Existing facilities are 100% utilized

Continued operation at Orlando costs omitted
- No allocation for 2 additional years of operating fire, security, medical, public works, etc. at Orlando ~ $ 5.1 M/year
- No cost for delaying Orlando savings ~ 2 years - $ unspecified

New London Said . . .

. . . design, architect and engineering costs are omitted for NWS Charleston.

Reality Is . . .

Design costs at Charleston are certified by Southern Division, Naval Facilities Engineering Command.

New London Briefing

SIGNIFICANT COSTS OMITTED FOR CHARLESTON OPTION

Design, architect and engineering costs omitted
- Detailed in certified data $ 10.48 M

Infrastructure costs omitted
- No roads or drainage $ unspecified
- No sewage or water "
- No electrical "
- No telephones (New London modification $ 1.8 M)

No EIS or EA (wetlands, threatened species)
- No permitting costs - $ 100 K mitigation

Support facilities costs omitted
- No costs for support activities moving from closed Naval Station
- No costs for any athletic accommodations
  - Existing facilities are 100% utilized

Continued operation at Orlando costs omitted
- No allocation for 2 additional years of operating fire, security, medical, public works, etc. at Orlando ~ $ 5.1 M / year
- No cost for delaying Orlando savings ~ 2 years - $ unspecified

New London Said . . .	Reality Is . . .
. . . infrastructure costs at NWS Charleston are omitted.	Not true. All infrastructure costs have been included in the site development plan.

New London Briefing

SIGNIFICANT COSTS OMITTED FOR CHARLESTON OPTION

Design, architect and engineering costs omitted
- Detailed in certified data $ 10.48 M

Infrastructure costs omitted
- No roads or drainage - $ unspecified
- No sewage or water "
- No electrical "
- No telephones (New London modification $ 1.8 M)

No EIS or EA (wetlands, threatened species)
- No permitting costs - $ 100 K mitigation

Support facilities costs omitted
- No costs for support activities moving from closed Naval Station
- No costs for any athletic accommodations
  - Existing facilities are 100% utilized

Continued operation at Orlando costs omitted
- No allocation for 2 additional years of operating fire, security, medical, public works, etc. at Orlando ~ $ 5.1 M/year
- No cost for delaying Orlando savings ~ 2 years - $ unspecified

New London Said . . .

. . . there is no Environmental Impact Statement (EIS) or Environmental Assessment (EA) at NWS Charleston.

Reality Is . . .

As stated by Roger L. Banks, Field Supervisor for the Fish and Wildlife Service, Charleston office, "The following comments are provided in accordance with Section 7 of the Endangered Species Act, as amended (16 U.S.C. 1531-1543). Based on our records and your documentation, we concur with your determination that there are no federally listed or proposed endangered or threatened plant or animal species in the impact area of the project. In view of this, we believe that the requirements of Section 7 of the Endangered Species Act have been satisfied." (Exhibit E) An environmental assessment (EA) is scheduled for July 1, 1995, and no problems are anticipated.

New London Briefing

SIGNIFICANT COSTS OMITTED FOR CHARLESTON OPTION

Design, architect and engineering costs omitted
- Detailed in certified data $ 10.48 M

Infrastructure costs omitted
- No roads or drainage - $ unspecified
- No sewage or water "
- No electrical "
- No telephones (New London modification $ 1.8 M)

No EIS or EA (wetlands, threatened species)
- No permitting costs - $ 100 K mitigation

Support facilities costs omitted
- No costs for support activities moving from closed Naval Station
- No costs for any athletic accommodations
  - Existing facilities are 100% utilized

Continued operation at Orlando costs omitted
- No allocation for 2 additional years of operating fire, security, medical, public works, etc. at Orlando ~ $ 5.1 M/year
- No cost for delaying Orlando savings ~ 2 years - $ unspecified

New London Said . . .

. . . there are no costs projected for support activities moving to NWS Charleston.

Reality Is . . .

BRAC 93 transferred 20 functions to NWS Charleston. All support facility costs have been budgeted.

New London Briefing

SIGNIFICANT COSTS OMITTED FOR CHARLESTON OPTION

Design, architect and engineering costs omitted
- Detailed in certified data $ 10.48 M

Infrastructure costs omitted
- No roads or drainage - $ unspecified
- No sewage or water "
- No electrical "
- No telephones (New London modification $ 1.8 M)

No EIS or EA (wetlands, threatened species)
- No permitting costs - $ 100 K mitigation

Support facilities costs omitted
- No costs for support activities moving from closed Naval Station
- No costs for any athletic accommodations
  - Existing facilities are 100% utilized

Continued operation at Orlando costs omitted
- No allocation for 2 additional years of operating fire, security, medical, public works, etc. at Orlando ~ $ 5.1 M/year
- No cost for delaying Orlando savings ~ 2 years - $ unspecified

New London Said . . .

. . . there are no costs projected for athletic facilities.

Reality Is . . .

The core building for the planned BEQ will contain physical fitness areas in accordance with CNO standards. There are existing physical fitness facilities, outdoor and indoor, including an 18-hole golf course, in place now at NWS Charleston.

New London Briefing

SIGNIFICANT COSTS OMITTED FOR CHARLESTON OPTION

Design, architect and engineering costs omitted
- Detailed in certified data $ 10.48 M

Infrastructure costs omitted
- No roads or drainage - $ unspecified
- No sewage or water "
- No electrical "
- No telephones (New London modification $ 1.8 M)

No EIS or EA (wetlands, threatened species)
- No permitting costs - $ 100 K mitigation

Support facilities costs omitted
- No costs for support activities moving from closed Naval Station
- No costs for any athletic accommodations
  - Existing facilities are 100% utilized

Continued operation at Orlando costs omitted
- No allocation for 2 additional years of operating fire, security, medical, public works, etc. at Orlando ~ $ 5.1 M/year
- No cost for delaying Orlando savings ~ 2 years - $ unspecified

New London Said . . .

. . . costs for continued operation at Orlando beyond 1999 are omitted. (Inference being that Charleston will not be operational by 1999.)

Reality Is . . .

Charleston MILCON will be completed in 1999 (same as New London). No requirement will exist for further operation at Orlando.

New London Briefing

UNANSWERED QUESTIONS

What is the Charleston facility location plan?

- No site plan for area of mixed woods and wetlands
- Road, infrastructure, support, and facility requirements
- Impact of other military activities moving to Weapons Station
  - ~20 functions relocating from closed Naval Station
- Other land encumbered by explosive safety arcs

What is the true cost of a Charleston decision?

COBRA	+	DESIGN	+	INFRASTRUCTURE	+	SUPPORT	+	ORLANDO	=	$ 168.6 +
($ 147.9 M)		($ 10.48 M)		?		?		($ 10.2 M)		

NEW LONDON $162.5 M

New London Said . . .

. . . there is no site plan for "area of mixed woods and wetlands."

Reality Is . . .

A footprint has been developed which enhances preservation of the small area of existing wetlands.

New London Briefing

UNANSWERED QUESTIONS

What is the Charleston facility location plan?

- No site plan for area of mixed woods and wetlands
- Road, infrastructure, support, and facility requirements
- Impact of other military activities moving to Weapons Station
  - ~20 functions relocating from closed Naval Station
- Other land encumbered by explosive safety arcs

What is the true cost of a Charleston decision?

COBRA ($ 147.9 M)	+	DESIGN ($ 10.48 M)	+	INFRASTRUCTURE ?	+	SUPPORT ?	+	ORLANDO ($ 10.2 M)	=	$ 168.6 +

NEW LONDON $162.5 M

New London Said . . .

. . . can road, infrastructure, support and facility requirements be met?

Reality Is . . .

Extensive road, infrastructure, support and facility requirements are already in place or have been included in Charleston's site development costs.

New London Briefing

UNANSWERED QUESTIONS

What is the Charleston facility location plan?

- No site plan for area of mixed woods and wetlands
- Road, infrastructure, support, and facility requirements
- Impact of other military activities moving to Weapons Station
  - ~20 functions relocating from closed Naval Station
- Other land encumbered by explosive safety arcs

What is the true cost of a Charleston decision?

COBRA ($ 147.9 M)	+	DESIGN ($ 10.48 M)	+	INFRASTRUCTURE ?	+	SUPPORT ?	+	ORLANDO ($ 10.2 M)	=	$ 168.6 +

NEW LONDON $162.5 M

New London Said . . .

. . . what about the impact of other military activities moving to NWS Charleston?

Reality Is . . .

As previously discussed, there will be no impact from other functions relocating to NWS Charleston. The 20 functions coming to NWS Charleston consist of 375 military and civilian, and will be accommodated in existing spaces. Their support requirements will be more than offset by the planned transfer of two AE's, with a total crew of 787, to the Military Sealift Command in 1998.

New London Briefing

UNANSWERED QUESTIONS

What is the Charleston facility location plan?

- No site plan for area of mixed woods and wetlands
- Road, infrastructure, support, and facility requirements
- Impact of other military activities moving to Weapons Station
  - ~20 functions relocating from closed Naval Station
- Other land encumbered by explosive safety arcs

What is the true cost of a Charleston decision?

COBRA ($ 147.9 M)	+	DESIGN ($ 10.48 M)	+	INFRASTRUCTURE ?	+	SUPPORT ?	+	ORLANDO ($ 10.2 M)	=	$ 168.6 +

NEW LONDON $162.5 M

New London Said . . .

. . . is other land encumbered by explosive safety arcs?

Reality Is . . .

Explosive safety arcs do not encumber the site. (Exhibit F)

New London Briefing

UNANSWERED QUESTIONS

What is the Charleston facility location plan?

- No site plan for area of mixed woods and wetlands
- Road, infrastructure, support, and facility requirements
- Impact of other military activities moving to Weapons Station
  - ~20 functions relocating from closed Naval Station
- Other land encumbered by explosive safety arcs

What is the true cost of a Charleston decision?

COBRA (S 147.9 M)	+	DESIGN (S 10.48 M)	+	INFRASTRUCTURE ?	+	SUPPORT ?	+	ORLANDO (S 10.2 M)	=	S 168.6 +

NEW LONDON S 162.5 M

Just adding certified data costs takes the proposal cost well over New London.

New London Said . . .

. . . that by adding certified data costs to Charleston, NWS Charleston's proposal will cost well over New London's.

Reality Is . . .

The true cost with certified data at Charleston is $147.9 million versus $162.5 million in New London.

New London Briefing

UNANSWERED QUESTIONS

What is the Charleston facility location plan?

- No site plan for area of mixed woods and wetlands
- Road, infrastructure, support, and facility requirements
- Impact of other military activities moving to Weapons Station
  - ~20 functions relocating from closed Naval Station
- Other land encumbered by explosive safety arcs

What is the true cost of a Charleston decision?

COBRA	+	DESIGN	+	INFRASTRUCTURE	+	SUPPORT	+	ORLANDO	=	$ 168.6 +
($ 147.9 M)		($ 10.48 M)		?		?		($ 10.2 M)		

NEW LONDON $ 162.5 M

On the other hand, what reduction of costs could be made at New London by changing the requirements to equal those at Charleston, or by deliberately trying to reduce costs. Let me give you one example which has been provided to your analyst. Navy says that student desks must be 30 inches by 60 inches. Reducing size by 6 inches to 24 by 54 could save $3M in renovation in one building by not having to knock out existing walls. There are more such savings possible.

New London Said . . .

. . . that by changing certain requirements, such as desk size, New London's renovation costs would be reduced, thus saving even more money.

Reality Is . . .

If desk size or any other requirements are changed at New London, they can be changed at Charleston for a further reduction in Charleston's cost.

New London Briefing

CRITERIA

NEW LONDON	MILITARY VALUE	CHARLESTON
Yes	1. Current and future mission requirements operational readiness	Yes
Facilities, land, infrastructure	2. Availability and condition of land, facilities	Land
~ 8% Expansion capability beyond 2001	3. Contingency, mobilization, total force	2001 capable, no expansion capability
Known, budgeted	4. Cost and manpower	Understated, probably greater than New London

New London Said . . .

. . . New London has facilities, land and infrastructure, and Charleston only has land.

Reality Is . . .

NWS Charleston already has extensive facilities and infrastructure, as seen in exhibits A and B.

New London Briefing

CRITERIA

NEW LONDON	MILITARY VALUE	CHARLESTON
Yes	1. Current and future mission requirements operational readiness	Yes
Facilities, land, infrastructure	2. Availability and condition of land, facilities	Land
~ 8% Expansion capability beyond 2001	3. Contingency, mobilization, total force	2001 capable, no expansion capability
Known, budgeted	4. Cost and manpower	Understated, probably greater than New London

New London Said . . .

. . . New London has 8% expansion capability beyond 2001, making it more desirable than Charleston.

Reality Is . . .

It is difficult to envision any large rapid expansion of the fleet beyond its projected 2001 size. The expansion capability claimed by New London actually represents excess capacity.

New London Briefing

CRITERIA

NEW LONDON	MILITARY VALUE	CHARLESTON
Yes	1. Current and future mission requirements operational readiness	Yes
Facilities, land, infrastructure	2. Availability and condition of land, facilities	Land
~ 8% Expansion capability beyond 2001	3. Contingency, mobilization, total force	2001 capable, no expansion capability
Known, budgeted	4. Cost and manpower	Understated, probably greater than New London

New London Said . . .

. . . New London's costs are known and budgeted; whereas Charleston's costs are projections and understated.

Reality Is . . .

Charleston MILCON costs are known, certified and budgeted.

New London Briefing

CRITERIA

NEW LONDON	RETURN ON INVESTMENT	CHARLESTON
MILCON ends 1998	5. Extent and Timing (from Orlando decision)	MILCON ends 2000 Orlando shutdown delayed 2 years
	IMPACTS	
Yes	6. Economic impacts	Yes
Adequate	7. Community infrastructure	Adequate
No	8. Environmental	Unknown

New London Said . . .

. . . Charleston MILCON will continue until 2001.

Reality Is . . .

Charleston MILCON will be complete in 1999.

New London Briefing

CRITERIA

NEW LONDON	RETURN ON INVESTMENT	CHARLESTON
MILCON ends 1998	5. Extent and Timing (from Orlando decision)	MILCON ends 2000 Orlando shutdown delayed 2 years
	IMPACTS	
Yes	6. Economic impacts	Yes
Adequate	7. Community infrastructure	Adequate
No	8. Environmental	Unknown

New London Said . . .

. . . it is unknown what the environmental impacts will be in Charleston, while there will be none in New London.

Reality Is . . .

A review by Naval Facilities Engineering Command indicates that no significant environmental problems are anticipated and therefore only an environmental assessment is required.

New London Briefing

CONCLUSION

Purpose of BRAC to reduce unnecessary infrastructure

- DOD / NAVY recommendation creates new infrastructure
- Fails to utilize excess capacity existing at New London
- No substantive gain based on selection criteria
- Significant deviation from criteria

RECOMMENDATION

Reject proposal for redirection

New London Said . . .

. . . New London's excess capacity needs to be utilized.

Reality Is . . .

Making use of New London's excess capacity will require at least $162.5 million.

New London Briefing

CONCLUSION

Purpose of BRAC to reduce unnecessary infrastructure

- DOD / NAVY recommendation creates new infrastructure
- Fails to utilize excess capacity existing at New London
- No substantive gain based on selection criteria
- Significant deviation from criteria

RECOMMENDATION

Reject proposal for redirection

New London Said . . .

. . . there will be no substantive gain from moving the school to Charleston.

Reality Is . . .

The substantive gains in Charleston come from the following: lower construction costs, lower maintenance costs, lower housing costs and lower PCS costs.

New London Briefing

CONCLUSION

Purpose of BRAC to reduce unnecessary infrastructure

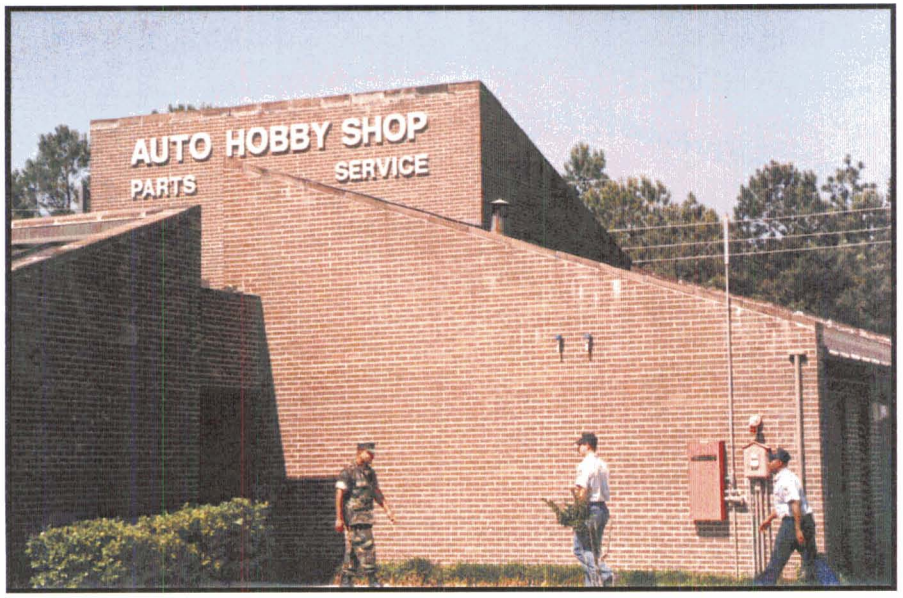
- DOD / NAVY recommendation creates new infrastructure
- Fails to utilize excess capacity existing at New London
- No substantive gain based on selection criteria
- Significant deviation from criteria

RECOMMENDATION

Reject proposal for redirection

New London Said . . .	Reality Is . . .
. . . there has been a significant deviation from criteria.	There has been no significant deviation from criteria; New London has failed to identify any deviations.

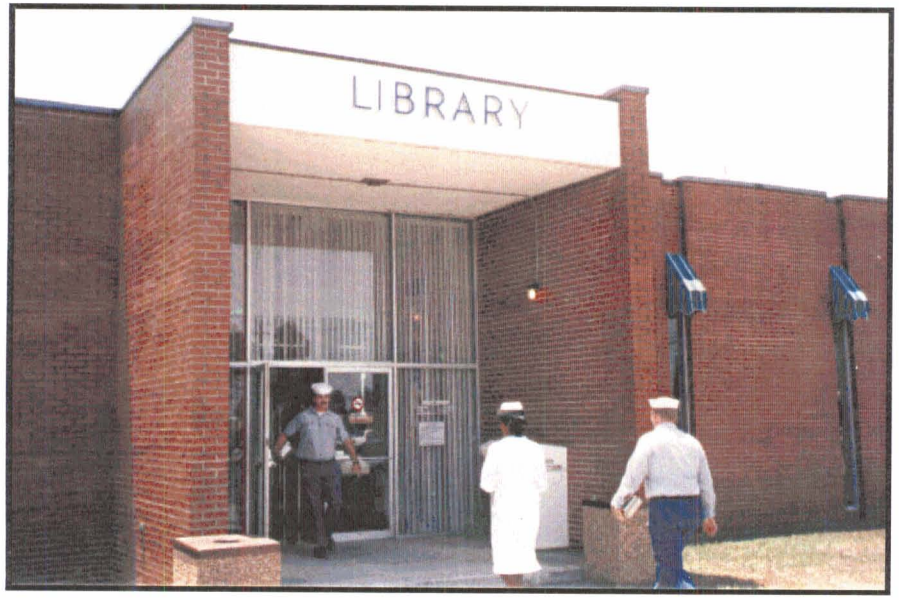
INFRASTRUCTURE & QUALITY OF LIFE PHOTOS



Auto Hobby Shop

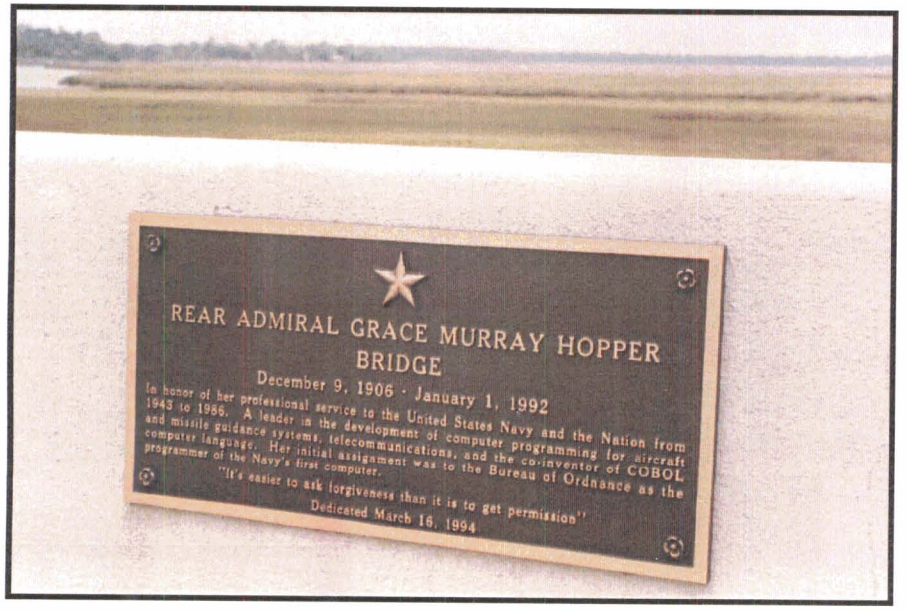
Base Theatre

IN DEFENSE OF CHARLESTON



Base Library

Branch Medical Clinic



Bridge, named in honor of Radm. Grace Hopper, completed in 1994 over Goose Creek

Examples of the numerous basketball courts, volleyball courts, soccer fields and horseshoe pits throughout NWS Charleston

IN DEFENSE OF CHARLESTON

18-hole golf course located on the NWS and open to all military, dependents and DoD civilian personnel

Boat landings and fishing piers are available at several sites on the NWS.

Examples of the 2,007 military family housing units located on the NWS

Marrington Plantation, which is adjacent to the proposed NNPTC site, includes biking trails, garden plots, softball and soccer fields, picnic areas, etc.

The newly renovated bowling center is Charleston's most modern bowling facility. The center has 20 lanes and is located across the street from the proposed NNPTC site.

This Family Service Center provides family services and support for the more than 7,000 family housing residents located at the NWS.

One of the two chapels that service the NWS and the NWS housing personnel

IN DEFENSE OF CHARLESTON

Located on the NWS are Menriv Elementary, Marrington Elementary and Marrington Middle schools. These schools are operated by Berkeley County and are filled with NWS housing dependent children.

IN DEFENSE OF CHARLESTON

EXHIBITS

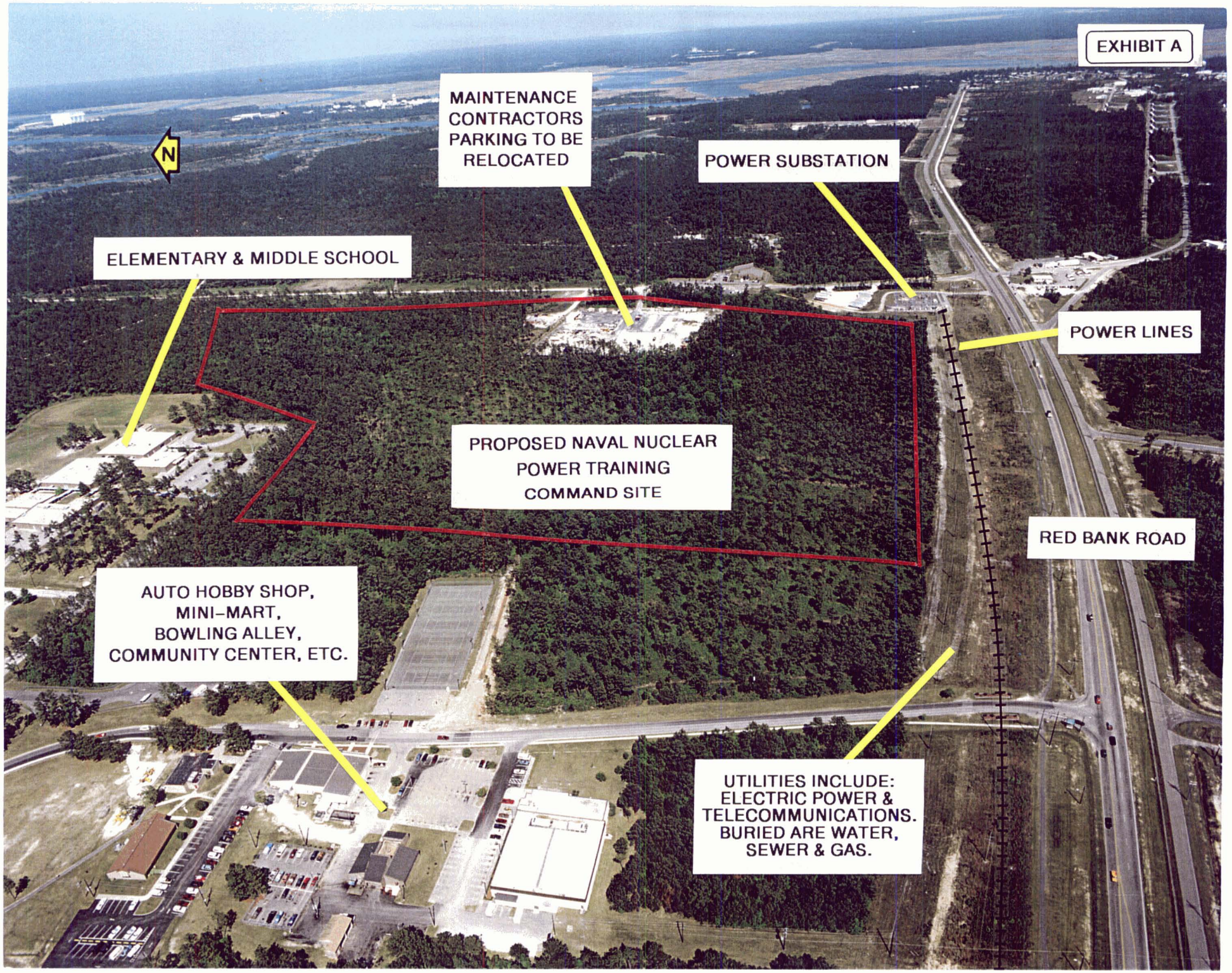
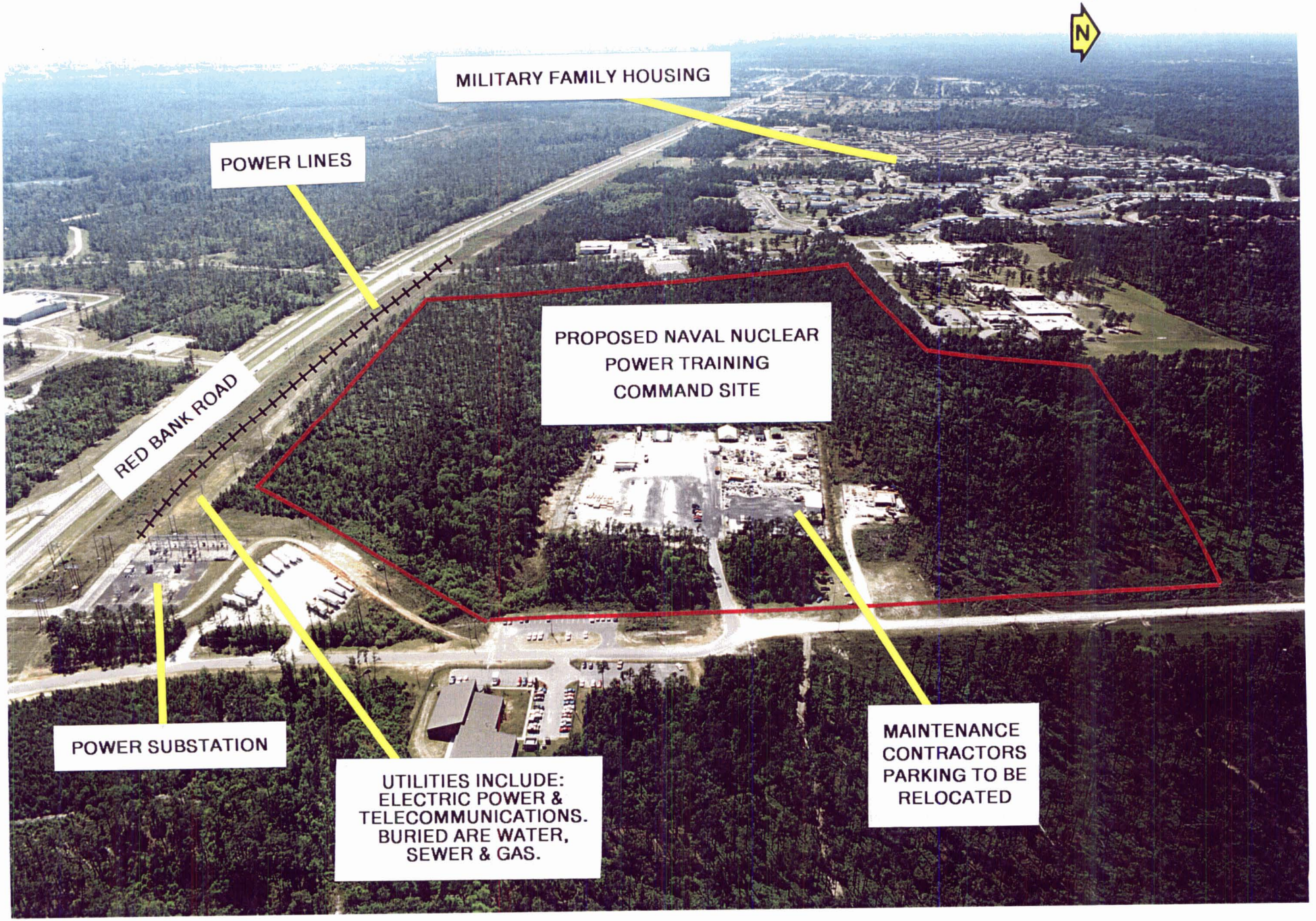


EXHIBIT A
N
MAINTENANCE CONTRACTORS PARKING TO BE RELOCATED
POWER SUBSTATION
ELEMENTARY & MIDDLE SCHOOL
POWER LINES
PROPOSED NAVAL NUCLEAR POWER TRAINING COMMAND SITE
RED BANK ROAD
AUTO HOBBY SHOP, MINI-MART, BOWLING ALLEY, COMMUNITY CENTER, ETC.
UTILITIES INCLUDE: ELECTRIC POWER & TELECOMMUNICATIONS. BURIED ARE WATER, SEWER & GAS.

EXHIBIT B


N
MILITARY FAMILY HOUSING
POWER LINES
PROPOSED NAVAL NUCLEAR POWER TRAINING COMMAND SITE
RED BANK ROAD
POWER SUBSTATION
UTILITIES INCLUDE: ELECTRIC POWER & TELECOMMUNICATIONS. BURIED ARE WATER, SEWER & GAS.
MAINTENANCE CONTRACTORS PARKING TO BE RELOCATED

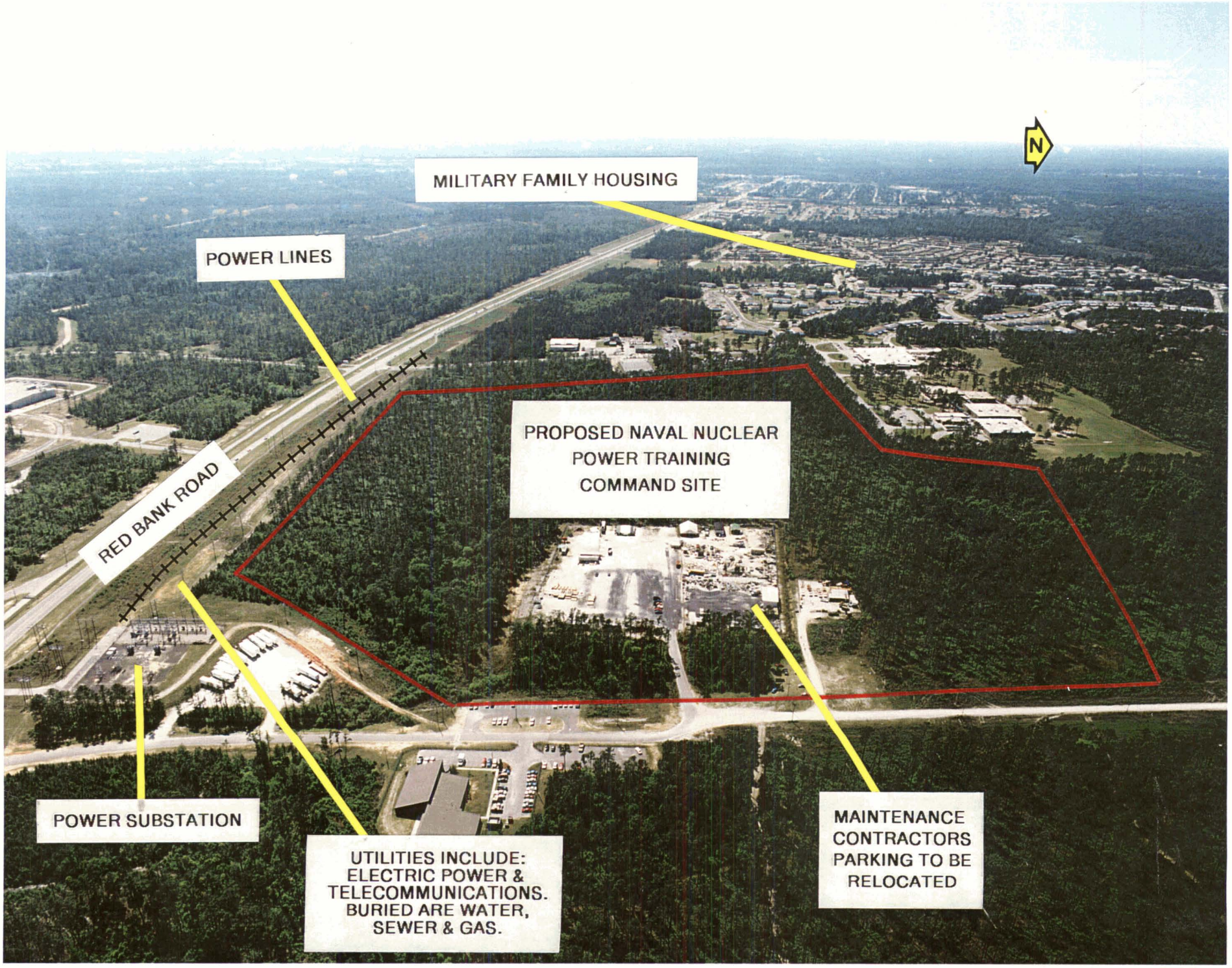
Addendum to Relocation Profile

Proposed Charleston, S.C.
Naval Nuclear Power Training Command

Presented to
1995 Base Closure and Realignment Commission

Submitted by
In Defense of Charleston
a strategic team of the Charleston Metro Chamber of Commerce

June 9, 1995


N
MILITARY FAMILY HOUSING
POWER LINES
PROPOSED NAVAL NUCLEAR POWER TRAINING COMMAND SITE
RED BANK ROAD
POWER SUBSTATION
UTILITIES INCLUDE: ELECTRIC POWER & TELECOMMUNICATIONS. BURIED ARE WATER, SEWER & GAS.
MAINTENANCE CONTRACTORS PARKING TO BE RELOCATED

DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20350-1000

MAY 11 1995

LT-0751-F15
BSAT/TG
10 May 1995

The Honorable Floyd D. Spence
House of Representatives
Washington, D.C. 20515

Dear Mr. Spence:

This is in response to the recent inquiry of Mr. Stan Graham of your staff concerning the Navy Nuclear Power Training Command (NNPTC).

Mr. Graham asked whether Charleston was considered as a potential receiving site location for the NNPTC during the 1993 round of base realignment and closure. This question was among those the Department of the Navy answered for the record in March, 1995, as requested by the Chairman of the 1995 Defense Base Closure and Realignment Commission.

Charleston was not considered as a receiving site for the NNPTC during the 1993 round. During the 1993 process it was determined that relocating this tenant of the Naval Training Center, Orlando, Florida, which was recommended for closure, to the Submarine Base, New London, Connecticut, would 1) create a training center of excellence through the collocation of the NNPTC with the Submarine School, and 2) take advantage of the infrastructure vacated by the relocation of fleet operational units. It was this latter point, the belief that we would be able to fully utilize existing facilities, that led us to focus solely on New London once closure of the operational aspects of the Submarine Base was determined.

I trust this information satisfactorily addresses your concerns. If we can be of further assistance, please let me know.

Sincerely,

C. P. NEMFAKOS
Vice Chairman,
Base Structure Evaluation Committee

EXHIBIT C

DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20350-1000

LT-0759-F15
BSAT/TG
2 May 1995

The Honorable Strom Thurmond
United States Senate
Washington, DC 20510

Dear Senator Thurmond:

This is in response to the recent query by Mr. George Lauffer of your staff, concerning the Navy Nuclear Power Training Command (NNPTC).

Response to Mr. Lauffer's questions regarding sunk costs in support of the relocation of the NNPTC to New London, student distribution between training activities, and the submarine homeporting plan for FY 2001, is attached. The information provided is based on certified data contained in the Department of the Navy's 1995 Base Structure Data Base. I trust this information satisfactorily addresses your concerns.

As always, if I can be of any further assistance, please let me know.

Sincerely,

C. P. NEMFAKOS
Vice Chairman,
Base Structure Evaluation Committee

Attachment

EXHIBIT D

SENATOR STROM THURMOND'S QUESTIONS CONCERNING THE NAVY NUCLEAR POWER TRAINING COMMAND

Q1. How much design money and construction funding has been spent in support of relocating the nuclear power school to New London?

A1. Planning and design work for the relocation of the Nuclear Field "A" School and the Nuclear Power School to Submarine Base (SUBASE) New London, Connecticut, will be stopped at the earliest opportunity consistent with good business judgment and the requirements of the base closure process. It is anticipated that about $10.3 million will have been spent on this effort. The estimated cost of terminating ongoing construction contracts is $100,000.

Q2. What is the projected percent of the students to be trained at the nuclear power in 2001 at New London or Charleston? What number at Idaho National Engineering Laboratory (INEL)?

A2. Fifty percent of the nuclear power school graduates will receive prototype-training at Ballston Spa, New York and fifty percent will be trained at Charleston, South Carolina. Prototype training is no longer conducted at INEL.

Q3. What number of submarines are planned to be homeported at the following bases in 2001:

- New London
- Norfolk
- Kings Bay
- Pearl Harbor
- other

A3. In 2001, 26 attack submarines will be assigned to CINCLANTFLT and 25 will be assigned to CINCPACFLT. Their homeports are subject to change and are at the discretion of the fleet commanders. Ballistic missile submarines will only be homeported at Kings Bay, Georgia and Bangor, Washington, and the number will vary based on strategic requirements. Current plans call for ten east coast and eight west coast ballistic missile submarines.

EXHIBIT D (CONTINUED)

United States Department of the Interior

FISH AND WILDLIFE SERVICE
P.O. Box 12559
217 Fort Johnson Road
Charleston, South Carolina 29422-2559

June 1, 1995

Commanding Officer
Natural Resources Manager
Naval Weapons Station
2316 Red Bank Road, Suite 100
Goose Creek, South Carolina 29445

Re: Proposed Nuclear Power Training School Site
FWS Log No. 4-6-95-296

Dear Mr. Townsend:

We have reviewed the information received May 18, 1995 concerning the above-referenced project on the Naval Weapons Station (Station) in Berkeley County, South Carolina. The following comments are provided in accordance with Section 7 of the Endangered Species Act, as amended (16 U.S.C. 1531-1543).

Based on our records and your documentation, we concur with your determination that there are no federally listed or proposed endangered or threatened plant or animal species in the impact area of the project. In view of this, we believe that the requirements of Section 7 of the Endangered Species Act have been satisfied. However, obligations under Section 7 of the Act must be reconsidered if (1) new information reveals impacts of this identified action that may affect listed species or critical habitat in a manner not previously considered, (2) this action is subsequently modified in a manner which was not considered in this assessment, or (3) a new species is listed or critical habitat determined that may be affected by the identified action.

While your proposed project will not directly or indirectly affect Federally protected species we encourage you to minimize impacts to the mature pine habitat on the Station.

EXHIBIT E

Based on the above comments we do not object to the proposed project being located at the Station and look forward to working with you on this and other projects in the future. If you have any questions please contact me or Lori Duncan of my staff at (803) 727-4707. In future correspondence concerning the project, please reference FWS Log No. 4-6-95-296.

Sincerely yours,

Roger Banks

Roger L. Banks
Field Supervisor

RLB/LWD

EXHIBIT E

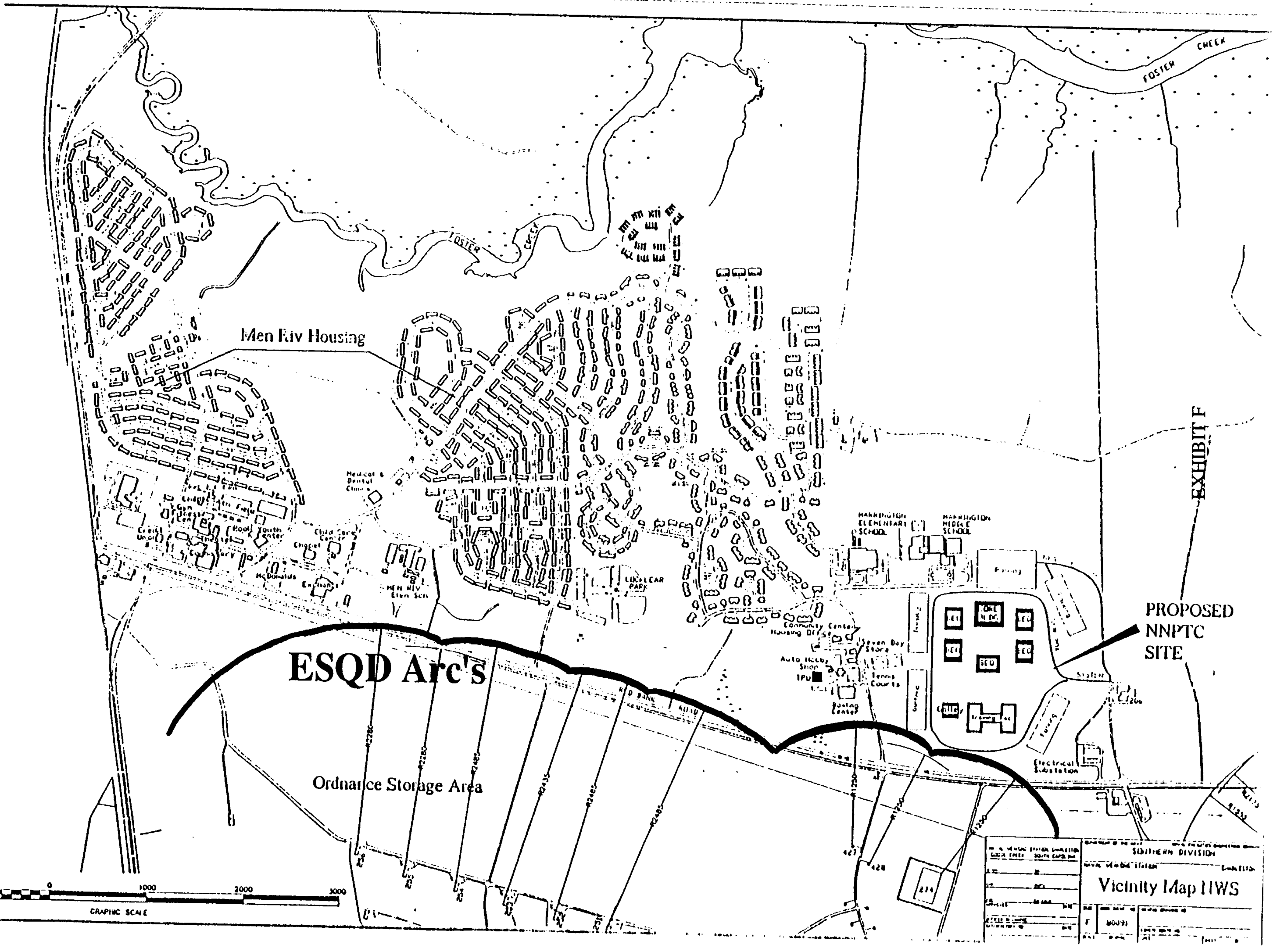


EXHIBIT F
PROPOSED
NNPTC
SITE
ESQD Arc's
Ordnance Storage Area
Men Riv Housing
FOSTER CREEK
HARRINGTON ELEMENTARY SCHOOL
HARRINGTON MIDDLE SCHOOL
Medical & Dental Clinic
MEN RIV Elem Sch
LUCKLEAR PARK
Community Center
Housing Off
Seven Day Store
Auto Hobby Shop
Tennis Courts
Electrical Substation
McDonalds
Exchange
Chapel
Child Care Center
Credit Union
SOUTHERN DIVISION
Vicinity Map HWS
0
1000
2000
3000
GRAPHIC SCALE

NNPTC Schedule based on Source Selection,100% Design (A/E)

EVENT	PLANNED
-Fac. Study NTP	2 Oct 95
-Fac. Study Final Subm.	4 Dec 95
-Cert. Ready For Design	6 Dec 95
-Design NTP (w/Undef. DO)	8 Dec 95
-Project Engineering Subm.	8 March 96
-100% Design Subm.	8 Aug 96
-Permits submitted to agencies	8 Aug 96
-Initial Contractor Proposal (based on 100% Design)	1 Sept 96
-Final Design Subm.	9 Sept 96
-Design Release	23 Sept 96
-Interim Contractor Proposal (based on Final Design)	23 Sept 96
-Permits approved by agencies	30 August 96
-Final Contractor Proposals	23 Oct 96
-Construction Award	15 Nov 96
-Construction Completion	15 July 98

- POSSIBLE 6 MONTH ACCELERATION

- 30 JUN 97 N.L. COMPLETION

-

PRESENTED BY EFFIE L. MELETIS P.E.
E.H. STEHMEYER JR P.E.
DALE C. JOHANNESMEYER P.E.

SCHEDULE PROVIDED BY SOUTHDIV DURING BASE VISIT

4/27/95

From: Director of Engineering

To: Public Works Officer

Subj: BRAC COST ESTIMATES

1. If the desk size currently asked for by NR is changed from 30"x60" to 24"x54" and no "platform" is used to elevate the instructor 6" we can save $3,000,000 in building 499. This savings results from being able to use the existing rooms (475sf) to give 50 classrooms for the 23 EM's each. We wouldn't have to gut the building to increase rooms to 690 sf nor change the mechanical system (except for sprinklers). The addition would be smaller and as a consequence new power service would not be needed.

2. If existing roadways are used for the morning marching requirement we can save $ 5,000,000 . We would not add all the site amenities nor would we build a parking garage on top of B150 since parking would not be displaced for marching area.

3. If the energy savings expected from the central chilled water plant are foregone we can save $3,000,000 in first costs by building individual chillers.

4. My review of the parking study suggests that 262 existing parking spaces can be used rather than construct structured parking . A savings of $ 1,500,000 could result. There are $2,000,000 of value engineering comments yet to be included in the BEQ design.

5. Total savings suggested here amount to $ 14,500,000. Other reductions can be forced from other BRAC projects if a certain "design to" budget figure is established.

DUNCAN SCHWEITZER P.E.

PROVIDED BY NEW LONDON SUBBASE PWO 30APR95 DURING STAFF VISIT

DEPARTMENT OF THE NAVY 9562 COPIER

NORTHDIV FIGURES PROVIDED BY
PWO NEW LONDON 30 APR 95.

BASE CLOSURE III
BASE REALIGNMENT AND CLOSURE (1993 COMMISSION)
FINANCIAL SUMMARY - EXCERPT, BRACON PROJECTS ONLY
($000)

ONE TIME COSTS	PROJECT COST ESTIMATE BY SOURCE					CURRENT	AMOUNT FUNDED
	COBRA	PEP OR 1391 DOC	SCHEM. DESIGN	35% DESIGN DEVLPMT	100% BID DOCS		
NEW LONDON MILCON							
PSA/PSD (P-447)	$890	$2,424	N/A	$2,163	$2,185	$2,185	$2,424
CLINIC (P-307)	$6,000	$6,000	$6,000	$6,000		$6,000	$6,000
RELOC ADMIN (P-432)	$4,600	$5,500				$5,500	$4,600
BARRACKS (P-444)	$58,500	$76,735	$112,258	$111,283		$111,283	$104,030
BEQ PARKING, ALSO P-444	N/A	$22,400	$14,100			14,100	
GALLEY (P-445)	$7,500	$7,000	$8,095	$7,774		$7,774	$7,240
PARK STRUCTURE (P-446)	$4,500	$5,372				$5,372	$4,500
BLDG 83/84 (P-448)	$4,600	$13,400	$13,120	$12,731		$12,731	$13,400
BLDG 426/437 (P-449)	$2,400	$8,300	N/A	$8,566		$8,566	$2,400
UPGRADE PHONES (P-450)	$1,120	$1,390	$1,302	$1,230		$1,230	$1,250
BLDG 499 (P-451)	$1,000	$17,478	$17,467	$17,799		$17,799	$16,700
GRAND TOTAL[1]	**$91,110**	**$165,999**	**$193,938**	**$192,518**	**$192,540**	**$192,540**	**$162,544**

[1] Note: GRAND TOTAL figures include the most recent figure for each project. For example, the GRAND TOTAL for the SCHEM. DESIGN column contains the PEP project figure for P-447, P-432, and P-446, since no new figure is shown in the SCHEM. DESIGN column itself.

As of ... 28 Apr 95

ADVANCE COPY

O:

FROM D SCHWEITZER 203 449 3841 FAX 5180

ndenbaum
r Analyst

703 696-0504
703 696-0550 (Fax)

BASE CLOSURE III
BASE REALIGNMENT AND CLOSURE (1993 COMMISSION)
FINANCIAL SUMMARY - EXCERPT, BRACON PROJECTS ONLY
($000)

ONE TIME COSTS	PROJECT COST ESTIMATE BY SOURCE					CURRENT	AMOUNT FUNDED	IF POR 2905 3/
	COBRA	PBP OR 1391 DOC	SCHEM. DESIGN	35% DESIGN DEVLPMT	100% BID DOCS			
NEW LONDON MILCON								
PSA/PSB (P-447)	$890	$2,424	N/A	$2,163	$2,185	$2,185	$2,424	2,185
CLINIC (P-307)	$6,000	$6,000	$6,000	$6,000		$6,000	$6,000	6,000
RELOC ADMIN (P-432)	$4,600	$5,500				$5,500	$4,600	5,500
BARRACKS (P-444)	$58,500	$76,735	$112,358	$111,283		$111,283	$104,030	97,000
BEQ PARKING, ALSO P-444	N/A	$22,400	$14,100			14,100		8,600
GALLEY (P-445)	$7,500	$7,000	$8,095	$7,774		$7,774	$7,240	7,774
PARK STRUCTURE (P-446)	$4,500	$5,372				$5,372	$4,500	5,372
BLDG 83/84 (P-448)	$4,600	$13,400	$13,120	$12,731		$12,731	$13,400	12,731
BLDG 426/437 (P-449)	$2,400	$8,300	N/A	$8,566		$8,566	$2,400	8,566
UPGRADE PHONES (P-450)	$1,120	$1,390	$1,302	$1,230		$1,230	$1,250	1,230
BLDG 499 (P-451)	$1,000	$17,478	$17,467	$17,799		$17,799	$16,700	14,000
GRAND TOTAL[1]	$91,110	$165,999	$193,938	$192,518	$192,540	$192,540	$162,544	168,958

[1] Note: GRAND TOTAL figures include the most recent figure for each project. For example, the GRAND TOTAL for the SCHEM. DESIGN column contains the PBP project figure for P-447, P-432, and P-446, since no new figure is shown in the SCHEM. DESIGN column itself.

3/ DESIGN FEE INCREASE FOR REVISION ~ $750,000.00 (750k)

As of ... 28 Apr 95

FAX FROM D. SCHWEITZER PW NEW LONDON TO SOUTHDIV — SOUTHDIV
FAX TO DBCRC 5 MAY 95

MAY-05-1995 13:35 PWD ENGINEERING CODE 820 P.01 TOTAL P.01

DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

LT-0776-F15
BSAT/DMW
9 June 1995

Honorable Alan J. Dixon
Chairman, Defense Base Closure
and Realignment Commission
1700 North Moore Street
Suite 1425
Arlington, VA 22209

Dear Chairman Dixon:

As requested, we have conducted a COBRA analysis on the redirect of the Naval Nuclear Power Training Command (NNPTC) from SUBASE New London back to NTC Orlando. A copy of the COBRA output reports, Scenario Development Data Call response and electronic copy of the COBRA data file are attached to this letter. Please note that in order to provide you the most timely response possible, we are forwarding an advance copy of the certified Scenario Development Data Call response used to conduct our COBRA analysis. We will forward a final copy of the data call response, with any attendant changes, certified through the entire chain of command, as soon as we receive it.

We have also reviewed the letters and COBRA runs that you asked us to review. In summary, these COBRA runs do not fully reflect the total costs to re-open and operate Orlando as a stand alone facility. A more complete and accurate estimate of the total costs is provided in our COBRA analysis, which is forwarded with this letter. Detailed comments on the letters and the COBRA runs you provided are attached.

Finally, in light of the additional certified data which we have collected on the student population and throughput at the Nuclear Power School, we have been able to refine our estimate of PCS savings associated with our proposed redirect of NNPTC to Charleston. Consequently, we are also forwarding, as an attachment, a revised version of our "NNPTC to Charleston" COBRA analysis. This refinement of PCS savings was calculated using COBRA moving algorithms, consistent with all of our COBRA analyses. However, based on the recently received certified data, we have lowered the COBRA standard factors used in this PCS calculation to reflect actual pay grades and percentage of married officers/enlisted for graduates of the Nuclear Power School. Use of COBRA moving algorithms is consistent with the approach used by all DoD Components in calculating costs/savings associated with base closure actions and provides the most realistic reflection of the potential moving costs for Nuclear Power School students (in terms of pay, marital status, etc.). This refinement has reduced our PCS savings estimate from $6.2 million to $2.9 million per year. This change does not, however, materially affect the return on investment associated with our proposed BRAC-95 recommendation.

While we are providing the data requested for a redirect of NNPTC back to Orlando, we believe this proposed redirect is not in the best interests of the Department of the Navy (DON). The Department of Defense does not want to re-open closed bases. While retaining NNPTC in Orlando would avoid up-front construction and moving costs, these initial savings would be more than offset by the significantly higher annual costs to operate in Orlando. By not closing NTC Orlando, DON must continue to maintain the entire infrastructure necessary to support NNPTC as a stand-alone facility, i.e., public works, medical, security, personnel support, MWR, housing allowances, etc.

The following table highlights the differences in costs and savings associated with the two redirect options ("Redirect from New London to Charleston" vs. "Redirect from New London to Orlando"):

COBRA Analyses: Difference Between Operation at Charleston and Operation at Orlando

Option	ROI Years	One-Time Costs	One-Time Savings	Steady State Savings/(Costs)	20 Year NPV Savings/ (Costs)
to Charleston:	1 Year	$146.6	$162.5	$8.7	$125.6
to Orlando:	Never	$27.5	$167.6	($13.5)	($33.8)
Difference:	-	$119.1	($5.1)	$22.2	$159.4

(all figures shown in $ millions)

As noted above, annual costs to operate out of Orlando are potentially $22 million higher per year than at Charleston. This difference includes the additional base operating support costs required to operate a stand-alone facility at Orlando, additional BAQ and VHA costs at Orlando and differences in PCS costs for students to attend follow-on training at either the Moored Training Ships in Charleston or at NPTU Ballston Spa. We believe that even this $22 million cost difference is understated since COBRA algorithms do not calculate VHA/BAQ costs for military students. In the case of NNPTC, VHA/BAQ costs for students could be as much as $2 million higher per year in Orlando than in Charleston. While the DON proposed recommendation would result in a return on investment in one year, the proposed redirect to Orlando never obtains a return on investment, due to the recurring net cost increase to operate out of Orlando. A comparison of the 20 year net present values for these two alternatives shows that a redirect to Orlando would cost the Department over $150 million more than our proposed redirect to Charleston.

The COBRA analysis on Orlando which we have submitted assumes that married staff and students will live on the economy, and as noted above, includes BAQ/VHA costs for the staff. The only alternative to this scenario would be the retention of approximately 300 family housing units currently planned to be excessed as a result of the BRAC-93 closure of NTC Orlando. While this action would reduce VHA costs by approximately $2 million, this

reduction would be offset by the over $3 million per year cost to retain and operate these units at the McCoy Annex. Retaining these family housing units would also adversely affect current reuse plans for this area.

In addition to the return on investment advantages of the DON recommendation, there are other issues which favor relocation of NNPTC to Charleston. Over 1,000 sailors get to stay in one place for at least a year since they will now attend both Nuclear Power School and follow-on training at the Moored Training Ships in Charleston. Since a significant number of these sailors have wives and families, our scenario avoids undesirable disruptions to family life; disruptions that would be a direct detriment to our goal of improving quality of life for military personnel and their families whenever possible.

In accordance with Section 2903(c)(5) of the Defense Base Closure and Realignment Act of 1990, and in consideration of the comments noted above, I certify the information provided to you in this transmittal is accurate and complete to the best of my knowledge and belief.

I trust the information provided satisfactorily addresses your concerns. As always, if I can be of any further assistance, please let me know.

Sincerely,

Charles P. Nemfakos
Vice Chairman
Base Structure Evaluation Committee/
Executive Director
Base Structure Analysis Team

Attachments

DON Comments on Orlando Letters and COBRA Runs Provided by the Commission

1. Comments on issues raised in the two letters provided.

General. The claims that there were substantial deviations from various selection criteria relating to the analysis of the redirect of NNPTC are fundamentally flawed. The final selection criteria developed by the Department of Defense are to be used for "selecting military installations for closure or realignment." In the case of NNPTC, NTC Orlando was selected for closure in BRAC-93, and the BRAC-93 Commission found that the Secretary of Defense did not deviate substantially from the force-structure plan and final criteria in reaching that decision.

With regard to potential receiving locations for assets at a closing installation, the selection criteria require consideration of availability of land and facilities (criterion 2) and ability to accommodate contingency requirements (criterion 3). Those considerations are an integral part of the return on investment analysis relating to the relocation of assets. However, neither the law nor the selection criteria require that every possible combination of closure/realignment or receiving sites be analyzed, nor is there a requirement that the least costly alternative be sought. DoD policy, articulated in the Deputy Secretary of Defense's policy memorandum of January 7, 1994, is that changes may be proposed to previously approved designated receiving base recommendations, but may not be proposed to previously approved closure recommendations. In the case of NNPTC, Orlando was not considered as a potential receiving site since it was a closed base.

Q1. DoD substantially deviated from selection criteria 5 when the Department failed to properly evaluate the return on investment associated with the recommendation to redirect the NNPTC to Orlando.

A1. The letter includes a statement that DoD did not evaluate all plausible options regarding the redirect of NNPTC, and that if we had, based on the COBRA runs provided to the Commission, we would have redirected NNPTC back to Orlando. As noted above, there is no requirement in law or policy to analyze every possible combination of closure/realignment or receiving sites. Furthermore, in the case of NNPTC, Orlando was not considered as a potential receiving site since it was a closed base. The Department of Defense does not want to re-open closed bases, which is what would be required to redirect NNPTC back to Orlando. Accordingly, there is no substantial deviation. While retaining NNPTC in Orlando would avoid up-front construction and moving costs, these initial savings would be offset by the significantly higher annual costs to operate in Orlando. As discussed below, the COBRA runs provided to you do not accurately reflect costs and savings associated with this proposed redirect.

Q2. DoD substantially deviated from selection criteria 2 when the Department failed to properly evaluate the availability and conditions of land, facilities and airspace at both the existing and potential receiving location.

DON Comments on Orlando Letters and COBRA Runs Provided by the Commission

A2. The letter includes a statement that without assessing the existing infrastructure at Orlando, we only considered a redirect of NNPTC to Charleston, and that this move results in a requirement for new construction. While both of those points are true, they do not constitute a substantial deviation from selection criteria 2. As noted above, the requirement is to consider potential receiving locations in light of selection criteria 2 and 3, which was done for NWS Charleston. Every possible receiving site need not be evaluated, and NTC Orlando was not a viable candidate since it was a closed base. As noted above, the Department of Defense is not interested in re-opening closed facilities and then incurring the substantial costs to operate and maintain re-opened bases. While new construction is required at Charleston, this investment is offset by recurring savings associated with operation in Charleston, reduced BAQ/VHA costs and collocation with follow-on training.

Q3. DoD substantially deviated from selection criteria 4 when the Department did not properly analyze the costs and manpower implications associated with a redirect of the NNPTC from New London to Charleston.

A3. Selection criterion 4 is to be considered in "selecting military installations for closure or realignment." In the case of NNPTC, NTC Orlando was selected for closure in BRAC-93, and the BRAC-93 Commission found that the Secretary of Defense did not deviate substantially from the force-structure plan and final criteria in reaching that decision. Furthermore, as noted above, NTC Orlando would in no case be considered as a potential receiving site since it is a closed base. Accordingly, there is no substantial deviation. Specific points raised in the letters are addressed below.

A3.1. The letter includes a statement that BOS costs at Charleston may be understated in comparison to New London or Orlando. We believe that we have conducted a fair comparison of BOS costs at Charleston vs. New London, using standard COBRA algorithms and certified data to estimate changes in BOS costs associated with our proposed redirect from New London to Charleston. During the DON process, we did not look at costs to operate in Orlando. At your request, we have now gathered certified data on the estimated cost to operate at Orlando. This cost is reflected in the attached COBRA analysis, and is substantially higher than the cost to operate out of either New London or Charleston.

A3.2. The letter also includes a statement that Orlando currently meets berthing criteria and that our BEQ costs are overstated. [redacted]

DON Comments on Orlando Letters and COBRA Runs Provided by the Commission

[redacted] and illustrates the total future cost for maintaining barracks at NNPTC in Orlando which are in line with the CNO's quality of life policies.

A3.3. Finally, the letter includes a statement that our estimate of RPMA savings resulting from not having to maintain new facilities in New London is overstated since these facilities are not yet built. The RPMA savings shown for New London reflect the costs to repair and maintain the buildings which will be built in New London as the result of the BRAC-93 decision. COBRA algorithms automatically calculate increases in RPMA costs when new construction is required. Just as in New London, this is the case for the new buildings which will need to be constructed in Charleston. The net of these two costs is the relative costs/savings for RPMA shown in the COBRA analysis.

Q4. The letter includes a statement that the COBRA runs provided to you show significant savings by redirecting NNPTC to Orlando.

A4. As noted below, there are a number of problems associated with the COBRA runs provided to you. At your request, we are providing a COBRA analysis on this proposed redirect to Orlando which shows the significant recurring costs associated with this proposed action. As noted in our cover letter, a redirect to Charleston costs approximately $22 million less per year than a redirect to Orlando.

2. Comments on NPSORL2.CBR COBRA Run.

This COBRA run, which you provided to us, redirects NNPTC from New London to Orlando. As such it is comparable to the COBRA analysis which we are providing to you as an attachment to this letter. We have noted that the COBRA run provided to you does not correctly account for costs and savings associated with this redirect. Specifically, the following problems are noted:

- [redacted]
- [redacted]
- [redacted]

A more accurate assessment of the costs/savings associated with a redirect to Orlando is shown in the COBRA analysis that we are providing to you. As noted in our cover letter, redirecting NNPTC back to Orlando results in a net recurring cost of at least $13 million

annually, and results in a "Never" payback as opposed to the "Immediate" payback shown in the COBRA run which you have asked us to review.

3. Comments on NPSORL.CBR COBRA Run.

This COBRA run, which you provided to us, "redirects" NNPTC from Charleston to Orlando. Similar to the NPSORL.CBR file discussed above, this COBRA run also does not correctly account for costs and savings associated with this redirect. Specifically, the following problems are noted:

- The difference in costs of a redirect to Orlando and a redirect to Charleston is significantly understated, since by not closing NTC Orlando, DON must continue to maintain the entire infrastructure necessary to support NNPTC as a stand-alone facility, i.e., public works, medical, security, personnel support, MWR, housing allowances, etc. [redacted]

- [redacted]

- [redacted]

- We believe that PCS savings in the COBRA run provided to you are significantly understated. [redacted] Our estimate uses the standard COBRA moving algorithms which are used by all DoD Components to estimate base closure-related moving costs. We have, however, lowered the standard factors used in this moving calculation to reflect certified data on actual pay grades and percentage of officers/enlisted married for Nuclear Power School graduates. Use of COBRA algorithms reflects a consistent approach to estimating costs/savings associated with a base closure action and provides the most realistic reflection of the potential moving costs for Nuclear Power School students (in terms of pay, marital status, etc.).

THEY USED COMMISSION FIGURES (ACCULATED BEFORE BSAT REVISED THEIR ESTIMATE.

We believe that a more accurate assessment of the difference in costs/savings between a redirect to Charleston and a redirect to Orlando is provided in our COBRA analyses. As noted above, we estimate that costs to operate out of Orlando are potentially $22 million per year higher than at Charleston, and that a comparison of the 20 year net present values for these two alternatives shows that a redirect to Orlando would cost the Department over $150 million more than our proposed redirect to Charleston.

KATZ, KUTTER, HAIGLER, ALDERMAN,
MARKS, BRYANT & YON, P.A.
200 SOUTH ORANGE AVENUE
SUNBANK CENTER
SUITE 1428
ORLANDO, FLORIDA 32801
PHONE: (407) 423-8480 FAX: (407) 843-0553

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Date: June 21, 1995 From: John Ariale

Client/Matter Number: _____

SENT TO:

Telecopier Number: (703) 696-0550

PLEASE DELIVER TO:

Name: Eric Lindenbaum

Company: Defense Base Closure and Realignment

Phone: (703) 696-0504

COMMENTS:

As per our conversation, attached please find the "key" that accompanies the NNPTC Map found in Appendix B. Please call if you need additional information.

WE ARE TRANSMITTING 2 PAGES INCLUDING THIS COVER SHEET. IF YOU DO NOT RECEIVE ALL THE PAGES IN LEGIBLE FORM, CALL (407) 423-8480 AS SOON AS POSSIBLE.

THIS FAX WAS SENT BY: J. Ariale

Naval Nuclear Power Training Command
Buildings to Remain
(NPTC and Support, does not include NEX)

BUILDING NUMBER	CURRENT USE	LOCAL NAME	SQ FT	YEAR BUILT	COMMENT
105	FAMILY SERVICE CENTER	FAMILY SERVICE CENTER	7000	1984	
126	AUTO HOBBY SHOP	DRY/WAX/BUFF	0	1990	
128	MEDICAL / DENTAL CLINIC	MEDICAL / DENTAL CLINIC	19908	1977	
129	HOBBY SHOP	WOODWORKING SHOP	5900	1976	
129	HOBBY SHOP	AUTOMOTIVE HOBBY SHOP	11800	1976	
131	HAZARDOUS/FLAMMABLE STORAGE	AUTO HOBBY PAINT SHOP	314	1976	
132	CAR WASH	NEW CAR WASH	0	1990	
133	SELF SERVICE CAR WASH	CLEAN CAR CARE CENTER	6137	1978	
134	INDOOR PLAYING COURTS	FITNESS CENTER	7200	1990	
135	PUBLIC TOILET	PUBLIC TOILET MAGUIRE GATE	483	1980	
136	GYMNASIUM	GYMNASIUM	20944	1986	
137	PUBLIC WORKS	ELECTRIC SHOP	4000	1981	
138	ENLISTED MEN'S CLUB, E1-E3	MARINER'S CLUB	25118	1975	
139	PEST CONTROL FACILITY	PEST CONTROL BUILDING	1584	1982	
350	APPLIED INSTRUCTION BUILDING	NUCLEAR POWER SCHOOL	131000	1975	
351	MECH BLDG	HEATING PLANT	1350	1976	
352	MESS HALL #3	GALLEY #3 4000 MEN	42732	1972	
354	ACADEMIC INSTRUCTION BUILDING	NUC FIELD A SCHOOL	106648	1981	
356	APPLIED INSTRUCTION BUILDING	NUCLEAR POWER SCHOOL	73410	1976	
356	APPLIED INSTRUCTION BLDG	NUCLEAR FIELD "A" SCHOOL	36705	1976	
356	MISC UTIL PLANT BLDG	A/C AND HEATING ROOM	2575	1976	
358	BEQ, E1-E4	BEQ/E1-E4, 128 PN	28261	1974	
358	MISC UTILITY PLANT BLDG	HEATING PLANT FOR B358	805	1974	
359	BEQ/E1-E4	BEQ/E1-E4, 120 PN	24216	1974	
360	BEQ, "A" SCHOOL	BEQ/E1-E4, 96 PN	19405	1974	
361	BEQ, E1-E4	BEQ/E1-E4, 88 PN	18600	1974	
361	MISC UTIL PLANT BLDG	A/C AND HEATING ROOM	805	1974	
362	BEQ, E1-E4	BEQ/E1-E4, 96 PN	19405	1974	
363	BEQ, E1-E4	BEQ/E1-E4, 88 PN	18600	1974	
363	MISC UTILITY PLANT BLDG	A/C AND HEATING ROOM	805	1974	
364	MISC UTILITY PLANT BLDG	A/C AND HEATING ROOM	805	1974	
364	BEQ, E1-E4	BEQ/E1-E4, 80 PN	18600	1974	
365	BEQ, E1-E4	BEQ/E1-E4, 96 PN	19405	1974	
366	MISC UTIL PLANT BLDG	A/C AND HEATING ROOM	805	1974	
366	BEQ, E1-E4	BEQ/E1-E4, 88 PN	18600	1974	
367	BEQ, E1-E4	BEQ/E1-E4, 96 PN	19405	1974	
368	BEQ, E1-E4	BEQ/E1-E4, 96 PN	19405	1975	
369	BEQ, E1-E4	BEQ/E1-E4, 88 PN	18600	1975	
369	MISC UTILITY PLANT BLDG	A/C AND HEATING ROOM	805	1975	
370	BEQ, "A" SCHOOL	BEQ/E1-E4, 96 PN	18359	1975	
370	ADMINISTRATION	NPS BEQ OFFICE	339	1975	
370	TRNG MATERIAL STORAGE	NPS STORAGE	339	1975	
370	LOCATION EXCHANGE	NEX MINI EXCHANGE	368	1975	
371	BEQ, "A" SCHOOL	BEQ/E1-E4, 96 PN	18600	1975	
371	MISC UTILITY PLANT BLDG	A/C AND HEATING ROOM	805	1975	
372	BEQ, E1-E4	BEQ/E1-E4, 72 PN	11560	1976	
373	BEQ, "A" SCHOOL	BEQ/E1-E4, 108 PN	16450	1976	
374	BEQ, "A" SCHOOL	BEQ/E1-E4, 108 PN	16450	1976	
375	MISC UTIL PLANT BLDG	LDRY & EQUIP ROOM	1103	1976	
375	TROOP HSG, OTHER	BEQ/BOQ BILLETING OFFICE	4022	1976	
376	BEQ, "A" SCHOOL	BEQ/E1-E4, 108 PN	16450	1976	
377	BEQ, E1-E4	BEQ/E1-E4, 72 PN	11560	1976	
378	BEQ, "A" SCHOOL	BEQ/E1-E4, 108 PN	16450	1976	
379	BEQ, "A" SCHOOL	BEQ/E1-E4, 72 PN	11560	1976	
380	BEQ, "A" SCHOOL	BEQ/E1-E4, 108 PN	16450	1976	
381	BEQ, "A" SCHOOL	BEQ/E1-E4, 72 PN	11560	1976	
382	LAUNDRY, DETACHED	BEQ LAUNDRY	3990	1991	
383	STAFF BEQ, E1-E4	STAFF BEQ/E1-E4, 294 PN	54684	1982	
384	STAFF BEQ, E5-E6	STAFF BEQ/E5-E6, 46 PN	12834	1982	
384	STAFF BEQ, E1-E4	STAFF BEQ/E1-E4, 150 PN	41850	1982	
385	GATE/SENTRY HOUSE	BEACH BLVD GATE #6	63	1985	
386	BEQ, "A" SCHOOL	NFAS BEQ	115615	1994	
386	ADMINISTRATION	PSD NTC	11186	1994	
386	ADMINISTRATION	SATO	1054	1994	
386	ADMINISTRATION	HOUSING REFERRAL	1200	1994	
386	ADMINISTRATION	RED CROSS	1200	1994	
386	ADMINISTRATION	NMCRS	1680	1994	
386	ADMINISTRATION	USPS	0	1994	
386	ADMINISTRATION	NTC MAIL ROOM	0	1994	

386	ADMINISTRATION	HHG / PERSONAL PROP	0	1994
2000	BUS STATION	TAXI STAND MAGUIRE GATE	360	1988
2001	ADMINISTRATION	NTC BTO. MCPOC, ETC.	8200	1943
2002	ADMINISTRATION	NTC HEADQUARTERS	8200	1943
2003	ADMINISTRATION	VACANT (OLD CE)	2529	1945
2003	ADMINISTRATION	NTC EEO	502	1945
2003	VACANT	OLD DFAS/CE/EEO	8200	1945
2003	ADMINISTRATION	VACANT	2838	1945
2004	VACANT	HOLD FOR STRICOM	8200	1945
2004	ADMINISTRATION	VACANT	1054	1945
2016	FIRE STATION	FIRE STATION	9704	1988
2017	ADMINISTRATION	PW LOCKSMITH OFFICE	364	1943
2024	ADMINISTRATION	NTC SUPPLY	20000	1943
2024	ADMINISTRATION	CIVILIAN PERS OFFICE (CCPO)	6134	1943
2053	WAREHOUSE	NEX VENDING	8613	1943
2055	MAINTENANCE SHOPS	A/C CONTRACTOR	2992	1943
2055	MAINTENANCE SHOPS	NEX/MWR ADMIN	4600	1943
2055	VACANT	VACANT	1021	1943
2077	DATA PROCESSING	NETPMSA	6816	1943
2078	PW MAINTENANCE STORAGE	AUTO MAINT FAC	450	1943
2078	AUTO MAINT FAC	AUTO MAINT FAC	26664	1943
2078	VEHICLE HOLDING SHED	AUTO MAINT FAC	3696	1943
2078	PUBLIC WORKS SHOPS	AUTO SHOP	1482	1943
2079	AUTO MAINT FAC	HAZARDOUS MATERIALS STORAGE	495	1943
2080	FILLING STATION	TANKS 10,000 GASOLINE	128	1972
2087	COMMUNITY STORAGE	NTC CE & NETFIPC RECORDS	336	1943
2088	COMMUNITY STORAGE	NTC ADP RECORDS STORAGE	336	1943
2114	ADMINISTRATION	ROICC	4236	1943
2115	ADMINISTRATION	MEDICAL / DENTAL CLINIC	8706	1943
2126	RECREATION STORAGE	SOFTBALL FLD HSE AT MAGUIRE	360	1972
2127	RECREATION STORAGE	SOFTBALL FLD HSE AT MAGUIRE	360	1972
2262	ADMINISTRATION	CUSTODIAL CONTRACTOR	2400	1943
2266	MEDICINE LAB	VET CLINIC	2121	1943
2273	SHELTER FOR POL	FUEL PUMPING STATION	532	1944
2349	BUS STOP	NPS BUS STOP	441	1986

ERCe

DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20350-1000

LT-0690-F14
BSAT/SB
13 April 1995

The Honorable Strom Thurmond
United States Senate
Washington, D.C. 20510

Dear Senator Thurmond:

This is in response to the recent query on your behalf by Mr. George Lauffer of the Committee on Armed Services staff, concerning the Navy Nuclear Power Training Command (NNPTC).

Response to your question regarding the comparative costs associated with three alternative receiving site locations for the NNPTC, is attached. I trust this information satisfactorily addresses your concerns.

As always, if I can be of any further assistance, please let me know.

Sincerely,

C. P. NEMFAKOS
Vice Chairman,
Base Structure Evaluation Committee

Attachment

SENATOR STROM THURMOND'S QUESTION CONCERNING
THE NAVY NUCLEAR POWER TRAINING COMMAND

Q1. Please provide a comparative cost table(s) for the BRAC-95 decisions regarding the Nuclear Power School; include data for Orlando, New London, and Charleston. Note: the level of detail should be "similar to what was provided the BRAC Commission."

A1. Presented in the table below are comparative costs, calculated using Cost of Base Realignment Actions (COBRA) algorithms except where noted otherwise, associated with retaining the Navy Nuclear Power Training Command (NNPTC) in Orlando; relocating the command to the Submarine Base, New London (the BRAC-93 decision); and relocating it to the Naval Weapons Station, Charleston (BRAC-95 DoD recommendation):

	Orlando	**New London**	**Charleston**
One-time Costs	Not Available	$163 million**	$147 million
BOS Costs	$21.0 million*	$10.5 million	$11.5 million***
PCS Savings	($0)	($0)	($6 million)
Total Recurring Costs	**$21.0 million***	**$10.5 million**	**$5.5 million**

* $19.3 million of the $21.0 million in total recurring costs is certified data; the balance is $1.7 million in VHA costs provided (uncertified) by the Naval Sea Systems Command.

** This cost was taken from the FY 1996-97 DoD Budget.

*** We believe this cost is overstated. Since the estimated cost is based on current operating costs at Charleston, it reflects industrial and technical functions which cost far more per person to operate than the cost of operating training facilities. Additionally, due to the significant amount of housing available at Charleston, VHA costs in Charleston will be negligible.

MEMORANDUM

DATE: May 30, 1995

TO: Eric Lindenbaum

FROM: Effie Meletis

RE: Naval Nuclear Power Training Command, Naval Weapons Station, Charleston, SC

Following are the certified 1391 cost figures for the BRAC IV redirect of the NNPTC to the NWS Charleston, SC:

P-015	NNPTC Training Facility	$27,700,000
P-116	Bachelor Enlisted Quarters	$92,300,000
P-017	Transient BEQ	$4,900,000
P-018	Galley	$6,600,000
P-019	Medical/Dental Clinic Expansion	$3,950,000
P-020	Site Development and Utilities	$13,200,000
TOTAL		**$148,650,000**

MEMO FAXED FROM EFFIE MELETIS SOUTHDIV P.E. 30 MAY 95

ATTN: Eric Lerdenbaum

PCS SAVINGS FOR CHARLESTON

In answer to your inquiry, I am sending two sets of reports to you to show how we re-calculated PCS savings for Charleston:

We set up a standard factors file (NPTC.SFF) to reflect weight of household goods for the average rank of student; i.e., officers (O-1) and enlisted (E-4) and the % married.

We then ran two scenarios to determine the savings for Charleston.

PCSNLCBS.CBR sends half of the students from New London to Ballston Spa and the other half to Charleston. (1-Time Cost Report: $6271)

PCSCHSBS.CBR sends half of the students from Charleston to Ballston Spa. (1 Time Cost Report: $3389)

Difference = $2882

MURREL COAST
681-0469

TOTAL ONE-TIME COST REPORT (COBRA v5.08)
Data As Of 18:52 12/11/1994, Report Created 09:09 06/19/1995

Department : NAVY
Option Package : CHAS TO BALL SPA
Scenario File : P:\COBRA\WORKING\BERTOLAC\PCSCHSBS.CBR
Std Fctrs File : P:\COBRA\WORKING\BERTOLAC\NPTC.SFF

(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	3,103,941	
Mothball / Shutdown	0	
Total - Overhead		3,103,941
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	3,388,997	
Freight	272,194	
One-Time Moving Costs	0	
Total - Moving		3,661,191
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		0
Total One-Time Costs		6,765,133
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	906,910	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		906,910
Total Net One-Time Costs		5,858,223

PCS from Chas to Ballston Spa.
$3389

INPUT DATA REPORT (COBRA v5.08)
Data As Of 18:52 12/11/1994, Report Created 09:09 06/19/1995

Department : NAVY
Option Package : CHAS TO BALL SPA
Scenario File : P:\COBRA\WORKING\BERTOLAC\PCSCHSBS.CBR
Std Fctrs File : P:\COBRA\WORKING\BERTOLAC\NPTC.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
WPNSTA CHARLESTON, SC	Realignment
BALLSTON SPA, NY	Realignment

Summary:

Redirect Navy Nuclear Power School from SUBASE NLON to WEPSTA Charleston. PCS savings for 1/2 of Nuclear Power School students if relocating ORLANDO to Charleston (110 officers/543 enlisted).

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
WPNSTA CHARLESTON, SC	BALLSTON SPA, NY	899 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from WPNSTA CHARLESTON, SC to BALLSTON SPA, NY

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	184	0	0
Enlisted Positions:	0	0	0	821	0	0
Civilian Positions:	0	0	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: WPNSTA CHARLESTON, SC

Total Officer Employees:	400	RPMA Non-Payroll ($K/Year):	6,464
Total Enlisted Employees:	1,695	Communications ($K/Year):	0
Total Student Employees:	106	BOS Non-Payroll ($K/Year):	10,982
Total Civilian Employees:	727	BOS Payroll ($K/Year):	22,090
Mil Families Living On Base:	27.0%	Family Housing ($K/Year):	157
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.92
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	1,303	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	131	Activity Code:	00193
Enlisted VHA ($/Month):	40		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Data As Of 18:52 12/11/1994, Report Created 09:09 06/19/1995

Department : NAVY
Option Package : CHAS TO BALL SPA
Scenario File : P:\COBRA\WORKING\BERTOLAC\PCSCHSBS.CBR
Std Fctrs File : P:\COBRA\WORKING\BERTOLAC\NPTC.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: BALLSTON SPA, NY

Total Officer Employees:	23	RPMA Non-Payroll ($K/Year):	15
Total Enlisted Employees:	61	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	739
Total Civilian Employees:	46	BOS Payroll ($K/Year):	1,842
Mil Families Living On Base:	27.0%	Family Housing ($K/Year):	11
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.23
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	198	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	214	Activity Code:	68317
Enlisted VHA ($/Month):	147		
Per Diem Rate ($/Day):	95	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: WPNSTA CHARLESTON, SC

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	0	Perc Family Housing ShutDown:				0.0%

Name: BALLSTON SPA, NY

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	0	Perc Family Housing ShutDown:				0.0%

Data As Of 18:52 12/11/1994, Report Created 09:09 06/19/1995

Department : NAVY
Option Package : CHAS TO BALL SPA
Scenario File : P:\COBRA\WORKING\BERTOLAC\PCSCHSBS.CBR
Std Fctrs File : P:\COBRA\WORKING\BERTOLAC\NPTC.SFF

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	29.90%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	17.20%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	98.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	76,781.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,925.00	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	33,178.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,251.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	50,827.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	NAVY O&M,N BRAC95	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	75.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	9.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	6.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	5.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	39.00%
Avg Bachelor Quarters(SF):	294.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1.00	Inflation Rate for NPV.RPT/ROI:	0.00%

APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00
HHG Per Off Family (Lb):	12,000.00	Mil Light Vehicle($/Mile):	0.31
HHG Per Enl Family (Lb):	7,000.00	Heavy/Spec Vehicle($/Mile):	3.38
HHG Per Mil Single (Lb):	5,344.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.17
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	3,763.00
Air Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	4,527.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	1,403.00

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	61	Optional Category A	( )	0
Waterfront	(LF)	10,350	Optional Category B	( )	0
Air Operations	(SF)	122	Optional Category C	( )	0
Operational	(SF)	111	Optional Category D	( )	0
Administrative	(SF)	123	Optional Category E	( )	0
School Buildings	(SF)	108	Optional Category F	( )	0
Maintenance Shops	(SF)	102	Optional Category G	( )	0
Bachelor Quarters	(SF)	96	Optional Category H	( )	0
Family Quarters	(EA)	78,750	Optional Category I	( )	0
Covered Storage	(SF)	94	Optional Category J	( )	0
Dining Facilities	(SF)	165	Optional Category K	( )	0
Recreation Facilities	(SF)	120	Optional Category L	( )	0
Communications Facil	(SF)	165	Optional Category M	( )	0
Shipyard Maintenance	(SF)	129	Optional Category N	( )	0
RDT & E Facilities	(SF)	160	Optional Category O	( )	0
POL Storage	(BL)	12	Optional Category P	( )	0
Ammunition Storage	(SF)	160	Optional Category Q	( )	0
Medical Facilities	(SF)	168	Optional Category R	( )	0
Environmental	( )	0			

TOTAL ONE-TIME COST REPORT (COBRA v5.08)
Data As Of 18:52 12/11/1994, Report Created 09:07 06/19/1995

Department : NAVY
Option Package : NLto CHAS/BALLSPA
Scenario File : P:\COBRA\WORKING\BERTOLAC\PCSNLCBS.CBR
Std Fctrs File : P:\COBRA\WORKING\BERTOLAC\NPTC.SFF

(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	4,425,690	
Mothball / Shutdown	0	
Total - Overhead		4,425,690
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	6,270,802	
Freight	525,833	
One-Time Moving Costs	0	
Total - Moving		6,796,635
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		0
Total One-Time Costs		11,222,325
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	1,813,820	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		1,813,820
Total Net One-Time Costs		9,408,505

PCS from New London to Chas & Ballston Spa. # 6271

INPUT DATA REPORT (COBRA v5.08)
Data As Of 18:52 12/11/1994, Report Created 09:07 06/19/1995

Department : NAVY
Option Package : NLto CHAS/BALLSPA
Scenario File : P:\COBRA\WORKING\BERTOLAC\PCSNLCBS.CBR
Std Fctrs File : P:\COBRA\WORKING\BERTOLAC\NPTC.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
WPNSTA CHARLESTON, SC	Realignment
BALLSTON SPA, NY	Realignment
SUBASE NEW LONDON, CT	Realignment

Summary:

Redirect Navy Nuclear Power School from SUBASE NLON to WEPSTA Charleston. PCS savings for 1/2 of Nuclear Power School students if relocating ORLANDO to Charleston (110 officers/543 enlisted).

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
WPNSTA CHARLESTON, SC	SUBASE NEW LONDON, CT	861 mi
BALLSTON SPA, NY	SUBASE NEW LONDON, CT	194 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from SUBASE NEW LONDON, CT to WPNSTA CHARLESTON, SC

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	184	0	0
Enlisted Positions:	0	0	0	821	0	0
Civilian Positions:	0	0	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Transfers from SUBASE NEW LONDON, CT to BALLSTON SPA, NY

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	184	0	0
Enlisted Positions:	0	0	0	821	0	0
Civilian Positions:	0	0	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Data As Of 18:52 12/11/1994, Report Created 09:07 06/19/1995

Department : NAVY
Option Package : NLto CHAS/BALLSPA
Scenario File : P:\COBRA\WORKING\BERTOLAC\PCSNLCBS.CBR
Std Fctrs File : P:\COBRA\WORKING\BERTOLAC\NPTC.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: WPNSTA CHARLESTON, SC

Total Officer Employees:	145	RPMA Non-Payroll ($K/Year):	6,464
Total Enlisted Employees:	1,695	Communications ($K/Year):	0
Total Student Employees:	67	BOS Non-Payroll ($K/Year):	10,982
Total Civilian Employees:	727	BOS Payroll ($K/Year):	22,090
Mil Families Living On Base:	27.0%	Family Housing ($K/Year):	157
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.92
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	1,303	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	131	Activity Code:	00193
Enlisted VHA ($/Month):	40		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Name: BALLSTON SPA, NY

Total Officer Employees:	23	RPMA Non-Payroll ($K/Year):	15
Total Enlisted Employees:	61	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	739
Total Civilian Employees:	46	BOS Payroll ($K/Year):	1,842
Mil Families Living On Base:	27.0%	Family Housing ($K/Year):	11
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.23
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	198	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	214	Activity Code:	68317
Enlisted VHA ($/Month):	147		
Per Diem Rate ($/Day):	95	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Name: SUBASE NEW LONDON, CT

Total Officer Employees:	842	RPMA Non-Payroll ($K/Year):	7,882
Total Enlisted Employees:	7,211	Communications ($K/Year):	0
Total Student Employees:	205	BOS Non-Payroll ($K/Year):	36,013
Total Civilian Employees:	1,050	BOS Payroll ($K/Year):	38,939
Mil Families Living On Base:	52.0%	Family Housing ($K/Year):	1,001
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	2,856	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	263	Activity Code:	00129
Enlisted VHA ($/Month):	203		
Per Diem Rate ($/Day):	89	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Data As Of 18:52 12/11/1994, Report Created 09:07 06/19/1995

Department : NAVY
Option Package : NLto CHAS/BALLSPA
Scenario File : P:\COBRA\WORKING\BERTOLAC\PCSNLCBS.CBR
Std Fctrs File : P:\COBRA\WORKING\BERTOLAC\NPTC.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: WPNSTA CHARLESTON, SC

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

Name: BALLSTON SPA, NY

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

Name: SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

Data As Of 18:52 12/11/1994, Report Created 09:07 06/19/1995

Department : NAVY
Option Package : NLto CHAS/BALLSPA
Scenario File : P:\COBRA\WORKING\BERTOLAC\PCSNLCBS.CBR
Std Fctrs File : P:\COBRA\WORKING\BERTOLAC\NPTC.SFF

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	29.90%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	17.20%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	98.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	76,781.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,925.00	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	33,178.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,251.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	50,827.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	NAVY O&M,N BRAC95	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	75.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	9.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	6.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	5.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	39.00%
Avg Bachelor Quarters(SF):	294.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1.00	Inflation Rate for NPV.RPT/ROI:	0.00%

APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00
HHG Per Off Family (Lb):	12,000.00	Mil Light Vehicle($/Mile):	0.31
HHG Per Enl Family (Lb):	7,000.00	Heavy/Spec Vehicle($/Mile):	3.38
HHG Per Mil Single (Lb):	5,344.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.17
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	3,763.00
Air Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	4,527.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	1,403.00

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	61	Optional Category A	( )	0
Waterfront	(LF)	10,350	Optional Category B	( )	0
Air Operations	(SF)	122	Optional Category C	( )	0
Operational	(SF)	111	Optional Category D	( )	0
Administrative	(SF)	123	Optional Category E	( )	0
School Buildings	(SF)	108	Optional Category F	( )	0
Maintenance Shops	(SF)	102	Optional Category G	( )	0
Bachelor Quarters	(SF)	96	Optional Category H	( )	0
Family Quarters	(EA)	78,750	Optional Category I	( )	0
Covered Storage	(SF)	94	Optional Category J	( )	0
Dining Facilities	(SF)	165	Optional Category K	( )	0
Recreation Facilities	(SF)	120	Optional Category L	( )	0
Communications Facil	(SF)	165	Optional Category M	( )	0
Shipyard Maintenance	(SF)	129	Optional Category N	( )	0
RDT & E Facilities	(SF)	160	Optional Category O	( )	0
POL Storage	(BL)	12	Optional Category P	( )	0
Ammunition Storage	(SF)	160	Optional Category Q	( )	0
Medical Facilities	(SF)	168	Optional Category R	( )	0
Environmental	( )	0			

DEPARTMENT OF THE NAVY
OFFICE OF THE ASSISTANT SECRETARY
(INSTALLATIONS AND ENVIRONMENT)
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

JUN 9 1995

The Honorable Bill McCollum
House of Representatives
Washington, D.C. 20515

Dear Mr. McCollum:

This is in further response to your letters of May 11, 1995 and June 7, 1995, to Secretary Dalton, concerning the Navy Nuclear Power Training Command (NNPTC).

In his letter of May 24, 1995, the Assistant Secretary of the Navy (Installations and Environment) provided answers to two of your six questions. Our answers to the remaining questions are attached; they are based on certified data obtained from the reply to a data call we issued specifically to enable our response to your query. Also, we received additional certified data relative to question three and updated our response to that question. I trust that the information provided satisfactorily addresses your concerns.

As always, if I can be of any further assistance, please let me know.

Sincerely,

Cheryl Kandaras

Cheryl Kandaras
Principal Deputy

Attachment

REPRESENTATIVE BILL MCCOLLUM'S QUESTIONS CONCERNING
THE NAVY NUCLEAR POWER TRAINING COMMAND (NNPTC)

Q1. In response to question 5, regarding the actual number of graduates in 1992, 1993, 1994 and 1995 who graduated or will graduate from Orlando and transfer to or will be transferred to Charleston and Ballston Spa, I requested the actual number of all students that graduated in each of those years and the total number of graduates from each year that were transferred to Charleston or Ballston Spa. The data provided only contains the total actual number of graduates.

Please provide the following data:

a. For each of the years specified, please provide the total number of graduates who were transferred to Ballston Spa upon graduation from Orlando.

b. For each of the years specified, please provide the total number of graduates who were transferred to Charleston upon graduation from Orlando.

c. Of the graduates transferred to Ballston Spa from 1992-1995, please provide the number of graduates in each pay grade, listing the total number with and without dependents, and the associated PCS cost for each pay grade. If the only pay grade that graduates from Orlando is an E-4 or O-1 you have already provided this data.

d. Of the graduates transferred to Charleston from 1992-1995, please provide the number of graduates in each pay grade, listing the total number with and without dependents, and the associated PCS cost for each pay grade. If the only pay grade that graduates from Orlando is an E-4 or O-1 you have already provided this data.

A1.a & b.

	1992	1993	1994	1995[1]
# of Graduates transferred to Ballston Spa	819	809	663	893
# of graduates transferred to Charleston	744	953	954	1285

[1] - Projected

Note: The sum of the graduates transferred to Ballston Spa and Charleston does not equal the total number of graduates for the years 1992, 1993, and 1994 as other plants also accepted graduates during these years. These other plants have been shut

down; from 1995 on all graduates will be transferred to either Ballston Spa or Charleston.

A1.c & d. The certified data we received indicates that, historically, a small percent of the graduates (about 5-7%) are not in either pay grade E-4 or O-1 and about 15-25% of Nuclear Power School graduates are married (i.e. with dependents). The class which graduated in February, 1995 transferred 111 enlisted (105 E-4's, five E-5's, one E-3) and 57 officers (55 O-1's, two O-2's) to Charleston; and 75 enlisted (71 E-4's, four E-5's) and 30 officers (26 O-1's, four O-2's) to Ballston Spa. Thirty-two of the 186 enlisted graduates and 26 of the 87 officer graduates were married.

Q2. In question 11, I requested an estimate of the one-time costs associated with leaving Orlando open. In response, I was informed that a maintenance and repair backlog of $8 million exists, a BEQ upgrade of $25.7 million would have to be performed (which I understand is to bring these barracks up to new standards adopted in the recent past) and the new fenceline would cost $165 thousand. It is my understanding from information made available through the Orlando Naval Training Center Reuse Commission that the total cost of leaving Orlando open would be approximately $8 million, which includes a $5.5 million backlog of BEQ repairs.

As a result of this information, I have three follow-up questions:

a. Is it standard policy for the Navy to engage in the expensive upgrade of useful and relatively modern barracks facilities throughout the Navy whenever a new standard is adopted by the Department regarding housing needs? If not, why would the Navy have to engage in the BEQ upgrade of the NNPTC barracks?

b. If the Navy does engage in this policy, state the total projected costs for all Navy BEQ inventory of the implementation of the upgrade throughout the Navy as a result of the adoption of these new standards.

c. If there is a $5.5 million backlog of BEQ repairs in the total maintenance and repair backlog of $8 million, is this $5.5 million needed in addition to the $25.7 million in BEQ upgrade?

A2.a. No, it has not been standard Navy policy to upgrade barracks when a new standard is adopted. However, the cost to upgrade the NNPTC barracks was computed due to CNO policy to improve quality of life for active duty personnel. Of the $25.7 million in BEQ upgrades, only the upgrade of the Welton-Beckett and the module-style rectangular BEQ's would not be required immediately. The cost to upgrade these barracks was included to illustrate total future costs of maintaining NNPTC in Orlando vice relocating the command to Charleston. Inclusion of these costs is necessary to have an "apples to apples" comparison of

the cost of staying in Orlando vice moving to Charleston.

A2.b. The total projected costs for all Navy BEQ inventory upgrades has not been computed. The Naval Facilities Engineering Command, by the direction of the Office of the Secretary of Defense, is examining this cost Navy-wide, but a final accounting has not been completed.

A2.c. Yes, this money would be required in addition to the $25.7 million in BEQ upgrades. The maintenance and repair backlog for these BEQ's include such things as replacing tile, A/C repair, replacing bricks, etc. The upgrades for the Welton-Beckett style BEQ's and the module style rectangular BEQ's are for adding partitions for sleeping rooms, electrical outlets, and countertops with microwave and refrigerator. The semi-open bay barracks is new and has no maintenance and repair backlog.

Q3. In response to my original question 13, asking for a comparison of BOS and PCS costs associated with several scenarios including keeping Orlando open, you responded by stating that the Navy was "obtaining BOS cost estimates for the NNPTC at NTC Orlando, as well as the PCS data you requested". Please provide this data or please indicate the anticipated date that you will have this data available.

A3. As a result of additional information which we have obtained as a result of questions from you and the Defense Base Closure and Realignment Commission, we have been able to refine our Base Operating Support (BOS) cost estimates. These estimates supersede previous estimates provided. Embedded within the existing staff of the NNPTC are 62 military personnel who provide "BOS" functions. Standard factors used in COBRA algorithms would translate this 62 person requirement to approximately $2.1 million per year. This cost is constant at Orlando, New London or Charleston. The following are our estimates of BOS costs at each site:

Charleston. As noted previously, we have conducted a COBRA analysis that would "redirect" NNPTC from New London to Charleston. COBRA algorithms calculate an annual increase in WPNSTA Charleston BOS costs of $4.2 million based on numbers of personnel relocating and new facilities to be constructed. Adding in the existing $2.1 million in BOS-related labor costs of NNPTC staff equals a total annual BOS cost of $6.3 million at Charleston.

New London. Our COBRA analysis identified an increase in SUBASE New London BOS costs of $7.1 million, again, based on numbers of personnel which would relocate and new facilities which would be constructed if NNPTC were relocated to New London. Adding in the existing $2.1 million in BOS-related labor costs of NNPTC staff equals a total annual BOS cost of $9.2 at New London.

Orlando. As NTC Orlando was closed in a previous BRAC round, we did not collect data during the Department of the Navy BRAC-95 process to conduct COBRA analyses on Orlando. In response to your questions, we have collected data on the potential costs to operate NNPTC as a stand-alone activity in Orlando. A breakout of these costs is provided in response to Question 6, below. We have identified $19.3 million in additional BOS costs to operate at Orlando (in 1994 dollars). Since all DoD COBRA estimates must be shown in FY 1996 dollars, we have inflated this $19.3 estimate to make it comparable to the Charleston and New London estimates. In 1996 dollars, this equates to $20.3 million. Adding in the existing $2.1 million in labor costs at NNPTC equals a total potential annual BOS cost of $22.4 million to operate NNPTC as a stand-alone activity in Orlando.

Based on the additional certified data we have collected, we have been able to refine our estimate of PCS savings associated with our proposed redirect of NNPTC to Charleston. This refinement of PCS savings was calculated using COBRA moving algorithms, consistent with all of our COBRA analyses. However, based on this certified data (see response to Question 1 above), we have adjusted the COBRA standard factors used in this PCS calculation to reflect actual paygrades and percentage of married officers/enlisted for graduates of the Nuclear Power School. Use of COBRA moving algorithms is consistent with the approach used by all DoD Components in calculating costs/savings associated with base closure actions and provides the most realistic reflection of the potential moving costs for Nuclear Power School students (in terms of pay, marital status, etc.). This refinement has reduced our PCS savings estimate from $6.2 million to $2.9 million per year. This change does not, however, materially affect the return on investment associated with our proposed BRAC-95 recommendation.

There are no other changes to our previous response.

Q4. In question 24, I requested the current usage rates, excess capacity and anticipated usage after the relocation of NNPTC to Charleston for the electrical, water and sewer systems in Charleston. Your response only provided current usage rates. Please provide the additional data requested.

A4. The Naval Nuclear Power Training Command is expected to use about 1.1-1.3 million kilowatt-hours per month of electricity and about 7-10 million gallons of water and sewage per month. Utilities are provided by the local government sector or commercially; therefore, we do not know the excess capacity for all services. However, discussions with utility representatives indicate sufficient excess capacity to accommodate the Naval Nuclear Power Training Command.

Q6. In response to question 27 regarding the complete closure of NTC Orlando, you stated that the creation of a cantonment area for the nuclear power school "would result in a significant recurring cost burden to the taxpayer to maintain the necessary infrastructure to support NNPTC."

It is my understanding that most of this infrastructure already exists on the campus and can be maintained for little additional cost. For instance, it is my understanding that the Navy Exchange located in Orlando will be kept open even after NTC Orlando is completely closed regardless of whether NNPTC stays or goes.

Please provide an analysis of the current resources available at the NNPTC campus for infrastructure items such as those noted in your response, the current costs of maintaining this infrastructure (or the anticipated costs associated with maintaining this infrastructure once the base closes), and the recurring costs associated with maintaining a public works presence, security, chapel, MWR facilities and a family services center after closure of NTC Orlando to the extent such would be necessary to serve NNPTC.

A6. The additional cost, beyond the $2.1 million in BOS-related staff costs, to support NNPTC as a stand alone activity in Orlando is potentially $25.8 million (in FY 1994 dollars). It should be noted that this value is higher than the BOS cost estimate shown in response to question number 3 on page 4 of this attachment, since it not only includes base operating support, but also the maximum potential BAQ and VHA costs at Orlando, as shown in the table below. The following is a breakdown of these costs:

Maintenance/Repair	Public Works	Galley	$104,006
		Barracks	$475,390
		Academic Bldg	$96,116
		Other Dir Spt	$126,885
		Other Base	$627,228
SUBTOTAL			$1,429,625
Utilities	Public Works	Galley	$51,000
		Barracks	$775,700
		Academic Bldg	$665,700

		Other Dir Spt	$16,500
		Other Base	$393,333
SUBTOTAL			$1,902,233
Operating	Mission	Chaplain	$30,000
		Dental	$56,250
		Famly Ser Ctr	$26,000
		Fire Dept	$11,500
		Medical	$715,000
		MWR	$98,000
		Navy Legal	$2,000
		Pers Prop	$0
		Pers Spt Det	$34,800
		Public Works	$173,732
		Security	$95,000
		Supply	$10,000
		Galley	$3,697,000
		Barracks	$135,000
		Commo/other	$266,952
		Admin/CAAC/ Navy Campus	$27,500
SUBTOTAL			$5,378,734
Civilian Personnel	OMN	Chaplain	$0
		Dental	$32,645
		Famly Ser Ctr	$252,000
		Fire Dept	$554,459
		MWR	$420,175
		Pers Prop	$0
		Pers Spt Det	$449,636

		Public Works	$1,604,560
		Security	$56,201
		Supply	$783,370
		Galley	$55,242
		Barracks	$166,099
		Admin/CAAC/ Navy Campus	$464,807
SUBTOTAL			$4,839,194
Military Personnel	MPN	Chaplain	$215,587
		Dental	$752,298
		Famly Ser Ctr	$41,170
		Medical	$1,522,342
		Navy Legal	$72,666
		Pers Spt Det	$928,148
		Public Works	$72,666
		Security	$715,355
		Supply	$140,714
		CO/XO	$185,462
		Galley	$468,000
		Barracks	$287,718
		Navy Campus	$0
		Admin	$351,528
SUBTOTAL			$5,753,654
BOS SUBTOTAL			$19,303,440
BAQ/VHA	MPN	Base Support[1]	237,928
		NNPTC Student & Staff[2]	6,259,146
SUBTOTAL			6,497,074

GRAND TOTAL			25,800,514

[1]Includes VHA only. BAQ was included in Military Personnel costs.

[2]Includes BAQ and VHA costs for all students and staff except single enlisted students.

General Services Administration, Region 9
525 Market Street
San Francisco, CA 94105-2799

06/14/95

Steve Hoffman
NAVSEA, code 0713
2531 Jefferson Davis Highway
Crystal Plaza 5, Room 606
Arlington, VA 22242-5160

Dear Mr. Hoffman:

The General Services Administration has no objection to the Naval Weapons Assessment Division remaining at the Pomona NIROP facility on a leasehold basis after disposal has been completed. The lease term and rate will be determined by GSA and the Navy prior to sale.

Any questions should be directed to Ken Paulson, on 415 744-5599.

Sincerely,

Clark Van Epps

Clark Van Epps
Director
Property Disposal Division

Federal Recycling Program Printed on Recycled Paper