

**SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS [TABS WORKING DRAFT]**

**SCENARIO # 275 & 499 TITLE: E&T-0029 MOVE US ARMY PRIME POWER SCHOOL (FT LEONARD WOOD)**

**GENERAL DESCRIPTION:** Consolidate the U.S. Army Engineering School by relocating the US Army Prime Power School from Ft Belvoir to Ft Leonard Wood. Includes prime power training at FLW with other engineer MOSs.

**ANALYST COL CRABTREE DATE: 28 OCT 04 (UPDT 23 DEC 04)**

Env Resource Area	<i>Gaining</i> Installation Assessment Inst Name: <b>Ft Leonard Wood</b>	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact - negligible increase in training and population under this proposal (+96 duty personnel).	#213 - All NAAQS in Attainment. #211 Emissions inventory shows permit limits exceeded for VOC, Nox, CO, and PM 10, and Major Source thresholds exceeded for VOC and CO. #220 No permit ISR2 - No impact to mission.
Cultural/Archeological/Tribal Resources	Numerous cultural/archeological/historical properties/sites listed, however, no impact expected under this proposal.	#230-232 - 550+ arch resource sites, with restrictions on soil disturbance; #233 - 88% surveyed; #234 - 3 tribes assert interest; no formal consultations #235 - 34 historic properties listed #236 - No programmatic agreement ISR2 shows access to sites impacts mission.
Dr ed g- ing	No impact.	
Land Use Constraints/Sensitive	No impact.	Buildable Acres - <10 req'd, with 489 acres available (489 excludes tng & hsg BA) #201,254,256 - No constraints.
Mar ine Mammals/Marine	No impact.	
Noise	No impact - Negligible new noise attributed to this proposal.	#239 - 138 acres of Noise Zone 2 extends outside installation, which is not encroached by development.
Threatened & Endangered Species/Critical Habitat	No impact - Negligible training/range impact from this proposal, considering what's already being trained at FLW.	#259, 261- show impacts. TES include Indiana Bat, Gray Bat, Bald Eagle, <2% of tng land impacted (mostly caves) #260,262-264 - No candidate species/habitat ISR2 shows impact.
Waste Management	No impact.	#269 No RCRA Subpart X Permit - but none needed.
Water Resources	No impact.	#276,278,279,293 - No restrictions ISR2 - no impacts IREM shows water infr can support 38,268 more people.
Wetlands	No impact.	#257 - 2.5% of range has vehicle traffic restricted by wetlands.

**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED); [TABS WORKING DRAFT]**

**SCENARIO # 275 & 499**

Env Resource Area	<i>Losing</i> Installation Assessment Inst Name: <b>Ft Belvoir</b>	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact.	
Cultural/ Archeological Resources	No impact.	
Dredging	No impact.	
Land Use Constraints/Sensitive Resource Areas	No impact.	
Marine Mammals/ Marine Resources / Marine Sanctuaries	No impact.	
Noise	No impact.	
Threatened & Endangered Species/ Critical Habitat	No impact.	
Waste Management	No impact.	
Water Resources	No impact.	
Wetlands	No impact.	

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED); [TABS WORKING DRAFT]

SCENARIO # **275 & 499**

**IMPACTS OF COSTS**

Env Resource Area	Gaining Installation Inst Name: <b>Ft Leonard Wood</b>	Losing Installation Inst Name: <b>Ft Belvoir</b>
Environmental Restoration*	None.	None.
Waste Management	None.	None.
Environmental Compliance	Re-alignment NEPA (EA) - \$100K.	
<b>COBRA Costs:</b>	NEPA (EA) - \$100K.	None.

### Candidate Recommendation # E&T-0029

Candidate Recommendation: Realign Fort Belvoir, VA, by relocating Army Prime Power School training to Fort Leonard Wood, MO.

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Justification: The United States Army Prime Power School courses taught at Fort Belvoir, VA, are Engineer Branch courses. The United States Army Engineer Center at Fort Leonard Wood, MO serves as the Service engineer proponent. The common core phase of engineer courses are already taught at Fort Leonard Wood, MO. This realignment consolidates engineer courses at Fort Leonard Wood, MO. Consolidate like schools while preserving service unique culture. The United States Army Engineer School trains other services under Interservice Training Review Organization (ITRO).

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$10.23M. The net of all costs and savings to the Department during the implementation period is a cost of ~~\$7.653M~~. Annual recurring savings to the Department after implementation is ~~\$3.609M~~, with a payback expected in three years. The net present value of the costs and savings to the Department over 20 years is a savings of ~~\$40.084M~~. **[NOTE: do not use the negative sign when reporting costs or savings. If it is a cost, say so and state it as a positive number. Similarly if it is a savings, say so and state it as a positive number]**

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Impacts:

Economic Impact: Assuming no economic recovery, this recommendation could result in a maximum potential ~~reduction~~ of 159 jobs (96 direct jobs and 63 indirect jobs) over 2006-2011 in the ~~Washington-Arlington-Alexandria, DC-VA-MD-WV~~ Metropolitan Division, which is less than 0.1 percent of Economic Region of Influence (EROI) employment.

Community Infrastructure: ~~A~~ review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel.

Environmental Impacts: This recommendation has no impact on air quality; cultural, archeological, tribal resources; dredging; land use constraints or sensitive resources areas; marine mammals, resources or sanctuaries; noise; threatened and endangered species or critical habitat; waste management; water resources; or wetlands. This recommendation will require an environmental assessment at the receiving location, costing approximately \$100K. This cost has been included in the payback calculation above. This recommendation does not impact the costs of environmental restoration, waste management, and other environmental compliance activities.

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**Candidate Recommendation # E&T-0029**

Supporting Information:

Competing recommendations (known or potential): None.

Force Structure Capabilities: This recommendation was constructed to accommodate the current and surge requirements Since the manpower levels remain generally stable through 2011 within this Force & Infrastructure Category for all services, and end strength levels as reported in the 20-year Force structure plan remain relatively flat, it follows this recommendation is consistent with the 20-Year Force Structure Plan.

Military Value Analysis Results: A ranking of 1 is the higher military value score of 70 installations conducting Specialized Skills Training. **[NOTE: This section needs to list the military value information for all 70 installations conducting Specialized Skills Training.]**

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Activity	Military Value Scores			Specialized Skills Training Ranking (1-70)		
	Skills			Skills		
	Initial	Progression	Functional	Initial	Progression	Functional
Fort Leonard Wood, MO	52.87	46.86	43.91	3	5	11
Fort Belvoir, VA	31.20	37.46	38.58	46	34	29

Capacity Analysis: **[Note: This section also needs to include “Capacity Required to Surge”. This is your judgment of the physical capacity that must be reserved to accommodate surge. For those functions for surge is not related to infrastructure (work longer hours) or where you determine there is no requirement to surge, this number could be zero]**

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Berthing Data for Activity	Max Potential Capacity	Current Capacity	Current Usage	Surge Capacity	Excess Capacity
Fort Leonard Wood, MO	20,928	20,928	9,730	1,946	9,252
Fort Belvoir, VA	70	70	5,243	1,049	-14

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Messing Data for Activity	Max Potential Capacity	Current Capacity	Current Usage	Surge Capacity	Excess Capacity
Fort Leonard Wood, MO	1,292	1,292	8,726	1,745	-9,179
Fort Belvoir, VA	969	960	199	40	721

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Classroom Data for Activity	Max Potential Capacity	Current Capacity	Current Usage	Surge Capacity	Excess Capacity
Fort Leonard Wood, MO	84,297	18,784	8,653	1,731	8,400
Fort Belvoir, VA	4,837	1,076	269	54	753

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Community Infrastructure: Review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel.

Environmental Impacts: This recommendation has no impact on air quality; cultural, archeological, tribal resources; dredging; land use constraints or sensitive resources areas; marine mammals, resources or sanctuaries; noise; threatened and endangered species or critical habitat; waste management; water resources; or wetlands. This recommendation will require an environmental assessment at the receiving location, costing approximately \$100K. This cost has been included in the payback calculation. This recommendation does not impact the costs of environmental restoration, waste management, and other environmental compliance activities.

Supporting Information:

Competing recommendations: None.

Force Structure Capabilities: This recommendation was constructed to accommodate the current and surge requirements Since the manpower levels remain generally stable through 2011 within this Force & Infrastructure Category for all services, and end strength levels as reported in the 20-year Force structure plan remain relatively flat, it follows this recommendation is consistent with the 20-Year Force Structure Plan.

Military Value Analysis Results: A ranking of 1 is the higher military value score of 70 installations conducting Specialized Skills Training (SST).

SST Activity	Military Value Scores			Specialized Skills Training Ranking (1-70)		
	Skills			Skills		
	Initial	Progression	Functional	Initial	Progression	Functional
Fort Leonard Wood, MO	52.87	46.86	43.91	3	5	11
Fort Belvoir, VA	31.20	37.46	38.58	46	34	29

Military Value Information for Installations conducting Specialized Skills Training (SST):

SST Installation (Alphabetical)	Military Value Score for Initial (61.80-21.75)	Ranking for Initial (1-70)	Military Value for Skills Progression (55.27-27.70)	Ranking for Skills Progression (1-70)	Military Value Score for Functional (50.74-26.32)	Ranking for Functional (1-70)
Aberdeen Proving Ground, MD	32.96	37	36.12	44	35.98	38
Athens, GA	30.94	47	33.27	54	29.75	62
Ballston Spa, NY	27.28	60	33.57	52	33.59	49
Bangor, WA	28.73	55	38.79	30	39.74	25
Bolling AFB, MD	28.61	56	37.21	36	37.23	34
Bridgeport, CA	21.92	69	29.32	65	29.23	63
Brunswick, ME	29.62	53	40.04	21	43.49	13
Camp Lejeune, NC	42.01	11	39.23	26	41.38	21
Camp Pendleton, CA	35.96	26	36.81	38	32.70	52
Charleston, SC	37.40	24	37.37	35	42.33	17
Coronado, CA	31.98	41	36.52	40	44.49	8
Crane, IN	25.20	67	28.71	67	27.52	67
Dahlgren, VA	28.09	57	35.55	47	29.86	60
Eglin AFB, FL	30.43	50	39.04	28	35.60	41
Fairchild AFB, WA	38.96	18	35.20	48	33.76	48
Fallon, NV	31.39	45	35.14	49	37.31	33

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SST Installation (Alphabetical)	Military Value Score for Initial (61.80-21.75)	Ranking for Initial (1-70)	Military Value for Skills Progression (55.27-27.70)	Ranking for Skills Progression (1-70)	Military Value Score for Functional (50.74-26.32)	Ranking for Functional (1-70)
Fort Belvoir, VA	31.20	46	37.46	34	38.58	29
Fort Benning, GA	49.13	6	42.91	12	49.12	2
Fort Bliss, TX	39.65	16	44.35	8	44.12	10
Fort Bragg, NC	28.93	54	36.82	37	31.84	55
Fort Campbell, KY	26.67	63	36.19	42	34.66	42
Fort Dix, NJ	26.60	64	31.47	57	29.81	61
Fort Eustis, VA	40.68	14	39.98	24	39.44	26
Fort Gordon, GA	42.40	10	40.92	18	35.85	40
Fort Knox, KY	40.94	13	48.21	4	42.66	15
Fort Lee, VA	43.92	8	39.27	25	35.97	39
Fort Leonard Wood, MO	52.87	3	46.86	5	43.91	11
Fort McCoy, WI	37.84	23	45.91	6	40.29	23
Fort Meade, MD	24.18	68	29.23	66	27.17	69
Fort Monmouth, NJ	27.47	59	31.45	58	34.42	43
Fort Rucker, AL	35.87	28	40.04	22	34.30	44
Fort Sill, OK	38.81	19	40.02	23	39.90	24
Goodfellow AFB, TX	48.77	7	41.39	15	41.58	20
Great Lakes, IL	41.38	12	39.00	29	34.27	45
Groton, CT	32.60	39	38.08	33	37.39	32
Gulfport, MS	35.18	31	42.23	13	43.81	12
Keesler AFB, MS	51.37	5	36.17	43	36.17	37
Kings Bay, GA	38.71	20	55.27	1	44.24	9
Kirtland AFB, NM	37.25	25	41.63	14	40.89	22
Lackland AFB, TX	52.37	4	41.21	16	42.64	16
Little Creek, VA	35.88	27	41.00	17	47.28	5
Maxwell AFB, AL	42.86	9	40.11	20	31.15	58
Mayport, FL	30.27	51	36.39	41	41.87	19
Meridian, MS	35.71	29	35.84	46	34.13	46
Newport, RI	30.91	48	38.18	32	37.91	30
Norfolk, VA	35.01	32	50.99	3	50.47	1
Oceana, VA	40.26	15	51.11	2	48.52	4
Panama City, FL	33.76	36	33.55	53	31.90	54
Pearl Harbor, HI	26.87	62	32.31	55	45.41	7
Pensacola, FL	59.05	2	45.52	7	39.25	27
Point Loma, CA	32.80	38	43.10	11	46.13	6
Pope AFB, NC	37.88	22	33.93	50	27.38	68
Presidio of Monterey, CA	27.57	58	29.52	63	29.21	64
Quantico, VA	29.83	52	29.34	64	28.95	66
Redstone Arsenal, AL	31.58	43	33.71	51	32.96	50
San Diego, CA (USN)	31.57	44	43.70	10	41.92	18
San Diego, CA (USMC)	27.01	61	30.59	59	31.31	56

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SST Installation (Alphabetical)	Military Value Score for Initial (61.80-21.75)	Ranking for Initial (1-70)	Military Value for Skills Progression (55.27-27.70)	Ranking for Skills Progression (1-70)	Military Value Score for Functional (50.74-26.32)	Ranking for Functional (1-70)
Sheppard AFB, TX	61.80	1	44.17	9	49.00	3
Tobyhanna Army Depot, PA	34.52	34	39.12	27	36.33	36
Twenty-Nine Palms, CA	34.69	33	30.55	60	28.98	65
Tyndall AFB, FL	38.09	21	32.03	56	38.70	28
Vandenberg, CA	34.49	35	27.70	70	34.07	47
Wallops Island, VA	25.52	65	28.21	68	26.32	70
Whidbey Island, WA	30.88	49	38.25	31	31.28	57
Willow Grove, PA	21.75	70	29.87	62	30.63	59
Yuma Proving Ground, AZ	25.43	66	29.94	61	32.09	53
Yuma, AZ	32.10	40	28.12	69	32.85	51

Capacity Analysis:

Berthing Data for SST Activity	Max Potential Capacity	Current Capacity	Current Usage	Capacity Required to Surge	Capacity Available to Surge	Excess Capacity
Fort Leonard Wood, MO	20,928	20,928	9,730	1,946	11198	9,252
Fort Belvoir, VA	70	70	5,243	1,049	0	-14

Messing Data for SST Activity	Max Potential Capacity	Current Capacity	Current Usage	Capacity Required to Surge	Capacity Available to Surge	Excess Capacity
Fort Leonard Wood, MO	1,292	1,292	8,726	1,745	0	-9,179
Fort Belvoir, VA	969	960	199	40	761	721

Classroom Data for SST Activity	Max Potential Capacity	Current Capacity	Current Usage	Capacity Required to Surge	Capacity Available to Surge	Excess Capacity
Fort Leonard Wood, MO	84,297	18,784	8,653	1,731	75644	8,400
Fort Belvoir, VA	4,837	1,076	269	54	4568	753

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Capacity Analysis for Installations conducting Specialized Skills Training (SST):

Berthing Data for SST Activity	Max Potential Capacity	Current Capacity	Current Usage	Capacity Required to Surge	Capacity Available to Surge	Excess Capacity
Aberdeen Proving Ground, MD	2915	2915	1991	398	924	526
Athens, GA	217	217	312	62	0	-157
Ballston Spa, NY	0	0	228	46	0	-274
Bangor, WA	0	0	0	0	0	0
Bolling AFB, MD	24	24	0	0	24	24
Bridgeport, CA	1500	1500	1261	252	239	-13
Brunswick, ME	500	500	35	7	465	458
Camp Lejeune, NC	7043	7043	2889	578	4154	3576
Camp Pendleton, CA	1595	1595	1253	251	342	91
Charleston, SC	2400	2400	3307	661	0	-1568
Coronado, CA	1267	1267	206	41	1061	1020
Crane, IN	0	0	0	0	0	0
Dahlgren, VA	580	580	0	0	580	580
Eglin AFB, FL	502	502	659	132	0	-289
Fairchild AFB, WA	352	352	305	61	47	-14
Fallon, NV	1830	1830	364	73	1466	1393
Fort Belvoir, VA	70	70	5243	1049	0	-6222
Fort Benning, GA	11563	11563	14706	2941	0	-6084
Fort Bliss, TX	913	913	1250	250	0	-587
Fort Bragg, NC	1202	1202	958	192	244	52
Fort Campbell, KY	252	252	0	0	252	252
Fort Dix, NJ	954	954	0	0	954	954
Fort Eustis, VA	1718	1718	2136	427	0	-845
Fort Gordon, GA	2660	2660	2794	559	0	-693
Fort Huachuca, AZ	2228	2228	1538	308	690	382
Fort Jackson, SC	1400	1400	131	26	1269	1243
Fort Knox, KY	8870	8870	4887	977	3983	3006
Fort Lee, VA	5101	5101	4502	900	599	-301
Fort Leonard Wood, MO	20928	20928	9730	1946	11198	9252
Fort McCoy, WI	1912	1912	128	26	1784	1758
Fort Meade, MD	675	675	676	135	0	-136
Fort Monmouth, NJ	120	120	230	46	0	-156
Fort Rucker, AL	763	763	751	150	12	-138
Fort Sill, OK	4060	4060	5243	1049	0	-2232
Goodfellow AFB, TX	1966	1966	2440	488	0	-962
Great Lakes, IL	8364	8364	4143	829	4221	3392
Groton, CT	1452	1452	1848	370	0	-766
Gulfport, MS	564	564	585	117	0	-138
Keesler AFB, MS	3668	3668	5593	1119	0	-3044

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Berthing Data for SST Activity	Max Potential Capacity	Current Capacity	Current Usage	Capacity Required to Surge	Capacity Available to Surge	Excess Capacity
Kings Bay, GA	234	234	116	23	118	95
Kirtland AFB, NM	420	420	309	62	111	49
Lackland AFB, TX	9679	9679	8948	1790	731	-1059
Little Creek, VA	939	939	242	48	697	649
Maxwell AFB, AL	726	726	881	176	0	-331
Mayport, FL	0	0	10	2	0	-12
Meridian, MS	1896	1896	668	134	1228	1094
Newport, RI	1568	1568	677	135	891	756
Norfolk, VA	1716	1716	6	1	1710	1709
Oceana, VA	2662	2662	697	139	1965	1826
Panama City, FL	173	173	297	59	0	-183
Pearl Harbor, HI	0	0	28	6	0	-34
Pensacola, FL	9114	9114	7189	1438	1925	487
Point Loma, CA	650	650	110	22	540	518
Pope AFB, NC	48	48	45	9	3	-6
Port Hueneme, CA	418	418	320	64	98	34
Presidio of Monterey, CA	2734	2734	2523	505	211	-294
Quantico, VA	354	354	283	57	71	14
Redstone Arsenal, AL	1241	1241	596	119	645	526
San Diego, CA (USN)	2016	2016	937	187	1079	892
San Diego, CA (USMC)	500	500	300	60	200	140
Sheppard AFB, TX	4840	4840	6888	1378	0	-3426
Tobyhanna Army Depot, PA	846	846	278	56	568	512
Twenty-Nine Palms, CA	2199	2199	2059	412	140	-272
Tyndall AFB, FL	90	90	0	0	90	90
Vandenberg, CA	256	256	555	111	0	-410
Wallops Island, VA	89	89	65	13	24	11
Whidbey Island, WA	200	200	231	46	0	-77
Willow Grove, PA	24	24	0	0	24	24
Yuma Proving Ground, AZ	196	196	60	12	136	124
Yuma, AZ	0	0	0	0	0	0

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Messing Data for SST Activity	Max Potential Capacity	Current Capacity	Current Usage	Capacity Required to Surge	Capacity Available to Surge	Excess Capacity
Aberdeen Proving Ground, MD	4172	4172	1991	398	2181	1783
Athens, GA	0	0	0	0	0	0
Ballston Spa, NY	0	0	0	0	0	0
Bangor, WA	0	0	0	0	0	0
Bolling AFB, MD	0	0	0	0	0	0
Bridgeport, CA	948	948	889	178	59	-119
Brunswick, ME	656	656	120	24	536	512
Camp Lejeune, NC	7588	7588	4755	951	2833	1882
Camp Pendleton, CA	5715	5715	2960	592	2755	2163
Charleston, SC	1892	1892	3170	634	0	-1912
Coronado, CA	950	950	758	152	192	40
Crane, IN	0	0	0	0	0	0
Dahlgren, VA	0	0	0	0	0	0
Eglin AFB, FL	907	907	907	181	0	-181
Fairchild AFB, WA	560	560	305	61	255	194
Fallon, NV	1152	1152	364	73	788	715
Fort Belvoir, VA	960	960	199	40	761	721
Fort Benning, GA	15431	15431	3611	722	11820	11098
Fort Bliss, TX	1732	1732	1177	235	555	320
Fort Bragg, NC	932	932	2208	442	0	-1718
Fort Campbell, KY	75	75	212	42	0	-179
Fort Dix, NJ	6860	6860	336	67	6524	6457
Fort Eustis, VA	1550	1550	1286	257	264	7
Fort Gordon, GA	4040	4040	4276	855	0	-1091
Fort Huachuca, AZ	1880	1880	5540	1108	0	-4768
Fort Jackson, SC	3248	3248	10947	2189	0	-9888
Fort Knox, KY	42540	42540	4887	977	37653	36676
Fort Lee, VA	9255	9255	3885	777	5370	4593
Fort Leonard Wood, MO	1292	1292	8726	1745	0	-9179
Fort McCoy, WI	2105	2105	1285	257	820	563
Fort Meade, MD	604	604	29002	5800	0	-34198
Fort Monmouth, NJ	240	240	240	48	0	-48
Fort Rucker, AL	1292	1292	2104	421	0	-1233
Fort Sill, OK	8800	8800	4724	945	4076	3131
Goodfellow AFB, TX	2158	2158	2504	501	0	-847
Great Lakes, IL	18752	18752	14796	2959	3956	997
Groton, CT	1794	1794	1950	390	0	-546
Gulfport, MS	800	800	634	127	166	39
Keesler AFB, MS	3402	3402	5604	1121	0	-3323
Kings Bay, GA	600	600	234	47	366	319
Kirtland AFB, NM	307	307	307	61	0	-61

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Messing Data for SST Activity	Max Potential Capacity	Current Capacity	Current Usage	Capacity Required to Surge	Capacity Available to Surge	Excess Capacity
Lackland AFB, TX	12964	12964	10392	2078	2572	494
Little Creek, VA	119	119	219	44	0	-144
Maxwell AFB, AL	3024	3024	2497	499	527	28
Mayport, FL	0	0	0	0	0	0
Meridian, MS	2640	2640	1116	223	1524	1301
Newport, RI	550	550	600	120	0	-170
Norfolk, VA	799	799	996	199	00	-396
Oceana, VA	935	935	1261	252	0	-578
Panama City, FL	137	137	165	33	0	-61
Pearl Harbor, HI	60	60	0	0	60	60
Pensacola, FL	9800	9800	7065	1413	2735	1322
Point Loma, CA	0	0	0	0	0	0
Pope AFB, NC	117	117	117	23	0	-23
Port Hueneme, CA	940	940	560	112	380	268
Presidio of Monterey, CA	574	574	107530	21506	0	-128462
Quantico, VA	5574	5574	2388	478	3186	2708
Redstone Arsenal, AL	1100	1100	500	100	600	500
San Diego, CA (USN)	2350	2350	2350	470	0	-470
San Diego, CA (USMC)	8600	8600	7090	1418	1510	92
Sheppard AFB, TX	8800	8800	6889	1378	1911	533
Tobyhanna Army Depot, PA	4000	4000	181	36	3819	3783
Twenty-Nine Palms, CA	1400	1400	2053	411	0	-1064
Tyndall AFB, FL	528	528	470	94	58	-36
Vandenberg, CA	247	247	233	47	14	-33
Wallops Island, VA	352	352	65	13	287	274
Whidbey Island, WA	500	500	162	32	338	306
Willow Grove, PA	200	200	15	3	185	182
Yuma Proving Ground, AZ	400	400	93	19	307	288
Yuma, AZ	2120	2120	2120	424	0	-424

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Classroom Data for SST Activity	Max Potential Capacity	Current Capacity	Current Usage	Capacity Required to Surge	Capacity Available to Surge	Excess Capacity
Aberdeen Proving Ground, MD	15669	3482	1720	344	13949	1418
Athens, GA	4277	953	356	71	3921	526
Ballston Spa, NY	4705	1048	741	148	3964	159
Bangor, WA	15134	3372	1089	218	14045	2065
Bolling AFB, MD	1021	227	78	16	943	134
Bridgeport, CA	4694	1046	843	169	3851	34
Brunswick, ME	2967	661	38	8	2929	616
Camp Lejeune, NC	45569	10154	2301	460	43268	7393
Camp Pendleton, CA	7313	1630	1253	251	6060	126
Charleston, SC	15146	3375	3344	669	11802	-638
Coronado, CA	13241	2950	1107	221	12134	1622
Crane, IN	0	0	22	4	0	-26
Dahlgren, VA	2078	463	395	79	1683	-11
Eglin AFB, FL	5244	1169	1208	242	4036	-281
Fairchild AFB, WA	37149	8278	296	59	36853	7923
Fallon, NV	2150	479	364	73	1786	42
Fort Belvoir, VA	4837	1076	269	54	4568	753
Fort Benning, GA	37791	8421	11709	2342	26082	-5630
Fort Bliss, TX	4102	914	878	176	3224	-140
Fort Bragg, NC	27963	6231	1642	328	26321	4261
Fort Campbell, KY	5538	1234	200	40	5338	994
Fort Dix, NJ	5479	1221	0	0	5479	1221
Fort Eustis, VA	26029	5800	2261	452	23768	3087
Fort Gordon, GA	39981	8909	3288	658	36693	4963
Fort Huachuca, AZ	23740	5290	2305	441	21435	2544
Fort Jackson, SC	5883	1311	0	0	5883	1311
Fort Knox, KY	118565	26420	4842	968	113723	20610
Fort Lee, VA	36050	8033	3545	709	32505	3779
Fort Leonard Wood, MO	84297	18784	8653	1731	75644	8400
Fort McCoy, WI	7171	1598	278	55	6893	1265
Fort Meade, MD	9801	2184	3	1	9798	2180
Fort Monmouth, NJ	0	0	139	28	0	-167
Fort Rucker, AL	12296	2740	2429	490	9867	-179
Fort Sill, OK	7961	1774	3567	713	4394	-2506
Goodfellow AFB, TX	10965	2443	3139	628	7826	-1323
Great Lakes, IL	48655	10842	4075	815	44580	5952
Groton, CT	13807	3077	1848	370	11959	859
Gulfport, MS	18552	4134	1062	212	17490	2859
Keesler AFB, MS	33537	7473	5763	1153	27774	557
Kings Bay, GA	26707	5950	186	37	26521	5727
Kirtland AFB, NM	3082	687	394	79	2688	214

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Classroom Data for SST Activity	Max Potential Capacity	Current Capacity	Current Usage	Capacity Required to Surge	Capacity Available to Surge	Excess Capacity
Lackland AFB, TX	158123	35235	11679	2336	146444	21220
Little Creek, VA	9565	2131	1408	282	8157	442
Maxwell AFB, AL	11606	2586	917	183	10689	1486
Mayport, FL	3347	746	403	81	2944	262
Meridian, MS	7568	1686	758	152	6810	777
Newport, RI	9947	2217	1174	235	8773	808
Norfolk, VA	31490	7017	2074	415	29416	4528
Oceana, VA	30055	6697	2753	551	27302	3394
Panama City, FL	2591	577	297	59	2294	221
Pearl Harbor, HI	11672	2601	934	187	10738	1480
Pensacola, FL	61692	13747	6754	1351	54938	5642
Point Loma, CA	20236	4509	559	112	19677	3838
Pope AFB, NC	410	91	45	9	365	37
Port Hueneme, CA	17336	3863	2119	424	15217	1320
Presidio of Monterey, CA	32446	7230	3766	753	28680	2711
Quantico, VA	1644	366	338	68	1306	-39
Redstone Arsenal, AL	1463	326	562	112	901	-348
San Diego, CA (USN)	5513	1229	1283	257	4230	-311
San Diego, CA (USMC)	2425	554	2612	52	0	241
Sheppard AFB, TX	151734	33811	7774	1555	143960	24482
Tobyhanna Army Depot, PA	0	0	262	52	0	-314
Twenty-Nine Palms, CA	61692	3730	2053	411	59639	1266
Tyndall AFB, FL	12580	2803	822	164	11758	1817
Vandenberg, CA	28588	6370	555	111	28033	5704
Wallops Island, VA	1703	380	65	13	1638	302
Whidbey Island, WA	9552	2129	549	110	9003	1470
Willow Grove, PA	588	131	68	14	520	49
Yuma Proving Ground, AZ	2805	625	109	22	2696	494
Yuma, AZ	592	132	180	36	412	-84

8 Attachments:

- 1) Complementary Recommendations
- 2) Force Structure Capabilities
- 3) Military Value Reports
- 4) Capacity Analysis
- 5) COBRA Results
- 6) Economic Impact Report
- 7) Installation Criterion 7 Profile
- 8) Summary of Scenario Environmental Impacts

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# **FORT BELVOIR, VA**

## **Demographics**

The following tables provide a short description of the area near the installation/activity. FORT BELVOIR is 8 miles from Alexandria, VA, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Washington DC MSA	4,923,153

The following entities comprise the military housing area (MHA):

County/City	Population
Alexandria	128283
Arlington	189453
District Of Columbia	572059
Fairfax	969749
Falls Church	10377
Montgomery	873341
Prince George's	801515
<b>Total</b>	<b>3,544,777</b>

## **Child Care**

This attribute captures the number of nationally accredited child-care centers within the local community: 79

## **Cost of Living**

Cost of Living provides a relative measure of cost of living in the local community. General Schedule (GS) Locality Pay provides a relative scale to compare local salaries with government salaries and Basic Allowance for Housing (BAH) is an indicator of the local rental market. In-state tuition is an indicator of the support provided by the state for active duty family members to participate in higher-level education opportunities.

Median Household Income	(US Avg \$41,994)	\$62,216	Basis: MSA
Median House Value	(US Avg \$119,600)	\$178,900	
GS Locality Pay	("Rest of US" 10.9%)	14.6%	
O-3 with Dependents BAH Rate		\$2,006	
In-state Tuition for Family Member		No	
In-state Tuition Continues if Member PCSs Out of State			

## **Education**

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, percentage of certified teachers and composite SAT I/ACT scores provide a relative quality indicator of education. This attribute also attempts to give communities credit for the potential intellectual capital they provide.

NOTE: “MFR” means a Memorandum For Record is on file at the installation/activity/agency to document problems in obtaining the required information. Reasons for not being able to obtain information may be that the school district refused to provide the information or the school district does not use or track the information.

If the installation/activity/agency has incomplete information from the local school system in order to accurately compute a score in this area, the number of school districts reporting information will be captured in addition to the computed answer.

		Basis
School District(s) Capacity	227,602	2 of 2 districts
Students Enrolled	220,963	2 of 2 districts
Average Pupil/Teacher Ratio	15.6:1	2 of 2 districts
High School Students Enrolled	66,102	2 of 2 districts
Average High School Graduation Rate (US Avg 67.3%)	96.7%	2 of 2 districts
Average Composite SAT I Score (US Avg 1026)	1077	2 of 2 districts
Average ACT Score (US Avg 20.8)	21	2 of 2 districts
Available Graduate/PhD Programs	6	
Available Colleges and/or Universities	15	
Available Vocational and/or Technical Schools	2	

## Employment

Unemployment and job growth rates provide a relative merit of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided.

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	2.6%	2.4%	3.1%	3.7%	3.5%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	MSA	MSA	MSA	MSA	MSA

The annual job growth rate for the last five-years:

	1999	2000	2001	2002	2003
Local Data	3.3%	3.0%	1.4%	1.0%	1.0%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	MSA	MSA	MSA	MSA	MSA

## Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community. Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	94,577	Basis: MSA
Vacant Sale Units	19,464	
Vacant Rental Units	29,918	

## Medical Providers

This attribute provides an indicator of availability of medical care for military and DoD civilians in the local community. The table reflects the raw number of physicians/beds and ratio of physicians/beds to population.

	# Physicians	# Beds	Population	
Local Community	15,810	9,163	4,923,153	Basis: MSA
Ratio	1:311	1:537		
National Ratio (2003)	1:421.2	1:373.7		

## Safety/Crime

The local community's Uniform Crime Reports (UCR) Index for 2002 per 100,000 people and the national UCR based on information from the Federal Bureau of Investigation (FBI) for 2002:

Local UCR	4,047.0	Basis: MSA
National UCR	4,118.8	

## Transportation

Distance to an airport shows convenience and availability of airline transportation. Public transportation shows potential for members and DoD civilians to use it to commute to/from work under normal circumstances and for leisure.

Distance from FORT BELVOIR to nearest commercial airport: 19.9 miles  
 Is FORT BELVOIR served by regularly scheduled public transportation? Yes

## Utilities

This attribute identifies a local community's water and sewer systems' ability to receive 1,000 additional people.

Does the local community's water system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Does the local community's sewer system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

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## **FORT LEONARD WOOD, MO**

### **Demographics**

The following tables provide a short description of the area near the installation/activity. FORT LEONARD WOOD is 93.8 miles from Springfield, MO, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
St Louis, MO MSA	2,603,607

The following entities comprise the military housing area (MHA):

County/City	Population
Phelps	39825
Pulaski	41165
Texas	23003
Total	103,993

### **Child Care**

This attribute captures the number of nationally accredited child-care centers within the local community: 0

### **Cost of Living**

Cost of Living provides a relative measure of cost of living in the local community. General Schedule (GS) Locality Pay provides a relative scale to compare local salaries with government salaries and Basic Allowance for Housing (BAH) is an indicator of the local rental market. In-state tuition is an indicator of the support provided by the state for active duty family members to participate in higher-level education opportunities.

Median Household Income	(US Avg \$41,994)	\$30,236	Basis: 3 of 3 counties
Median House Value	(US Avg \$119,600)	\$73,133	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$ 939	
In-state Tuition for Family Member		No	
In-state Tuition Continues if Member PCSs Out of State			

### **Education**

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, percentage of certified teachers and composite SAT I/ACT scores provide a relative quality indicator of education. This attribute also attempts to give communities credit for the potential intellectual capital they provide.

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NOTE: “MFR” means a Memorandum For Record is on file at the installation/activity/agency to document problems in obtaining the required information. Reasons for not being able to obtain information may be that the school district refused to provide the information or the school district does not use or track the information.

If the installation/activity/agency has incomplete information from the local school system in order to accurately compute a score in this area, the number of school districts reporting information will be captured in addition to the computed answer.

		Basis
School District(s) Capacity	1,618	5 of 5 districts
Students Enrolled	1,135	5 of 5 districts
Average Pupil/Teacher Ratio	12.5:1	5 of 5 districts
High School Students Enrolled	2,392	5 of 5 districts
Average High School Graduation Rate (US Avg 67.3%)	86.7%	5 of 5 districts
Average Composite SAT I Score (US Avg 1026)		5 of 5 districts
Average ACT Score (US Avg 20.8)	22	5 of 5 districts
Available Graduate/PhD Programs	1	
Available Colleges and/or Universities	0	
Available Vocational and/or Technical Schools	0	

## Employment

Unemployment and job growth rates provide a relative merit of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided.

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	2.6%	4.9%	5.3%	5.0%	5.1%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	3 of 3 counties				

The annual job growth rate for the last five-years:

	1999	2000	2001	2002	2003
Local Data	-.2%	2.9%	3.7%	3.1%	2.2%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	3 of 3 counties				

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## Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community. Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	5,179	Basis: 3 of 3 counties
Vacant Sale Units	868	
Vacant Rental Units	1,532	

## Medical Providers

This attribute provides an indicator of availability of medical care for military and DoD civilians in the local community. The table reflects the raw number of physicians/beds and ratio of physicians/beds to population.

	# Physicians	# Beds	Population	
Local Community	104	207	103,993	Basis: 3 of 3 counties
Ratio	1:1,000	1:502		
National Ratio (2003)	1:421.2	1:373.7		

## Safety/Crime

The local community's Uniform Crime Reports (UCR) Index for 2002 per 100,000 people and the national UCR based on information from the Federal Bureau of Investigation (FBI) for 2002:

Local UCR	3,147.1	Basis: 3 of 3 counties
National UCR	4,118.8	

## Transportation

Distance to an airport shows convenience and availability of airline transportation. Public transportation shows potential for members and DoD civilians to use it to commute to/from work under normal circumstances and for leisure.

Distance from FORT LEONARD WOOD to nearest commercial airport: 4.0 miles  
Is FORT LEONARD WOOD served by regularly scheduled public transportation? Yes

## Utilities

This attribute identifies a local community's water and sewer systems' ability to receive 1,000 additional people.

Does the local community's water system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Does the local community's sewer system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

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INSTALLATION ENVIRONMENTAL PROFILE

**FORT BELVOIR**

**1. Air Quality (DoD Question #210-225):**

- a. The Clean Air Act (CAA) establishes health-based standards for air quality and all areas of the country are monitored to determine if they meet the standards. A major limiting factor is whether the installation is in an area designated nonattainment or maintenance (air quality is not meeting the standard) and is therefore subject to more stringent requirements, including the CAA General Conformity Rule. Conformity requires that any new emissions from military sources brought into the area must be offset by credits or accounted for in the State Implementation Plan (SIP) emissions budget. The criteria pollutants of concern include: CO, O<sub>3</sub> (1 hour & 8 Hour), and PM (PM<sub>10</sub>, and PM<sub>2.5</sub>). Installations in attainment areas are not restricted, while activities for installations in non-attainment areas may be restricted. Non-attainment areas are classified as to the degree of non-attainment: Marginal, Moderate, Serious, and in the case of O<sub>3</sub>, Severe and Extreme. SIP Growth Allowances and Emission Reduction Credits are tools that can be used to accommodate increased emissions in a manner that conforms to a state's SIP. All areas of the country require operating permits if emissions from stationary sources exceed certain threshold amounts. Major sources already exceed the amount and are subject to permit requirements. Synthetic minor means the base has accepted legal limits to its emissions to stay under the major source threshold. Natural or true minor means the actual and potential emissions are below the threshold.
- b. **FORT BELVOIR is in Moderate Nonattainment for Ozone (1 hr). FORT BELVOIR is proposed to be in Nonattainment for Ozone (8 hour). It holds a CAA Major Operating Permit. It holds 2 CAA Minor Operating Permits. No emission credit program available. No SIP growth allowance has been allocated for this installation. FORT BELVOIR is in an area projected or proposed to be designated nonattainment for the 8-hour Ozone or the PM<sub>2.5</sub> NAAQS.**

**2. Cultural/Archeological/Tribal Resources (DoD Question #229-237):**

- a. Many installations have historical, archeological, cultural and Tribal sites of interest. These sites and access to them often must be maintained, or consultation is typically required before changes can be made. The sites and any buffers surrounding them may reduce the quantity or quality of land or airspace available for training and maneuvers or even construction of new facilities. The presence of such sites needs to be recognized, but the fact that restrictions actually occur is the overriding factor the data call is trying to identify. A programmatic agreement with the State Historic Preservation Office (SHPO) facilitates management of these sites.
- b. **Historic property has been identified on FORT BELVOIR.** There is no programmatic agreement for historic property in place with the SHPO. It **does not have** sites with high archeological potential identified.

**3. Dredging (DoD Question # 226-228):**

- a. Dredging allows for free navigation of vessels through ports, channels, and rivers. Identification of sites with remaining capacity for the proper disposal of dredge spoil is the primary focus of the profile. However, the presence of unexploded ordnance or any other impediment that restricts the ability to dredge is also a consideration.
- b. **FORT BELVOIR has** impediments to dredging.

**4. Land Use Constraints/Sensitive Resource Areas (DoD Question #198-201, 238, 240-247, 254-256, 273):**

- a. Land use can be encroached from both internal and external pressures. This resource area combines several different types of possible constraints. It captures the variety of constraints not otherwise covered by other areas that could restrict operations or development. The areas include electromagnetic radiation or emissions, environmental restoration sites (on and off installation), military munitions response areas, explosive safety quantity distance arcs, treaties, underground storage tanks, sensitive resource areas, as well as policies, rules, regulations, and activities of other federal, state,

tribal and local agencies. This area also captures other constraining factors from animals and wildlife that are not endangered but cause operational restrictions. This resource area specifically includes information on known environmental restoration costs through FY03 and the projected cost-to-complete the restoration.

- b. FORT BELVOIR reports that 6411 unconstrained acres are available for development out of 9059 total acres. FORT BELVOIR has spent \$2063M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at \$689M. FORT BELVOIR has Explosive Safety Quantity Distance Arcs, none of which require safety waivers, and none with the potential for expansion. It has restrictions due to adjacent or nearby Sensitive Resource Area.

**5. Marine Mammal/Marine Resources/Marine Sanctuaries (DoD Question #248-250, 252-253):**

- a. This area captures the extent of any restrictions on near shore or open water testing, training or operations as a result of laws protecting Marine Mammals, Essential Fish Habitat, and other related marine resources.
- b. FORT BELVOIR is impacted by laws and regulations pertaining to Marine Mammal Protection Act, Essential Fish Habitats & Fisheries and Marine Sanctuaries, which may adversely restrict navigation and operations.

**6. Noise (DoD Question # 202-209, 239):**

- a. Military operations, particularly aircraft operations and weapons firing, may generate noise that can impact property outside of the installation. Installations with significant noise will typically generate maps that predict noise levels. These maps are then used to identify whether the noise levels are compatible with land uses in these noise-impacted areas. Installations will often publish noise abatement procedures to mitigate these noise impacts.
- b. FORT BELVOIR does not have noise contours that extend off the installation's property. It does not have published noise abatement procedures for the main installation.

**7. Threatened and Endangered Species/Critical Habitat (DoD Question #259-264)**

- a. The presence of threatened and endangered species (TES) can result in restrictions on training, testing and operations. They serve to reduce buildable acres and maneuver space. The data in this section reflects listed TES as well as candidate species, designated critical habitat as well as proposed habitat, and restrictions from Biological Opinions. The legally binding conditions in Biological Opinions are designed to protect TES, and critical habitat. The data call seeks to identify the presence of the resource, TES, candidate or critical habitat, even if they don't result in restrictions, as well places where restrictions do exist.
- b. FORT BELVOIR reported that federally-listed TES are present that have delayed or diverted operations/training/testing, candidate species are not present, critical habitat is not present, and the installation does not have a Biological Opinion.

**8. Waste Management (DoD Question # 265-272):**

- a. This resource area identifies whether the installation has existing waste treatment and/or disposal capabilities, whether there is additional capacity, and in some case whether the waste facility can accept off-site waste. This area includes Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal facilities, solid waste disposal facilities, RCRA Subpart X (open/burning/open detonation) and operations.

- b. FORT BELVOIR has a permitted RCRA Treatment Storage and Disposal Facility (TSDF) . FORT BELVOIR does not have an interim or final RCRA Part X facility . FORT BELVOIR does not have an on-base solid waste disposal facility .

**9. Water Resources (DoD Question # 258, 274-299):**

- a. This resource area asks about the condition of ground and surface water, and the legal status of water rights. Water is essential for installation operations and plays a vital role in the proper functioning of the surrounding ecosystems. Contamination of ground or surface waters can result in restrictions on training and operations and require funding to study and remediate. Federal clean water laws require states to identify impaired waters and to restrict the discharge of certain pollutants into those waters. Federal safe drinking water laws can require alternative sources of water and restrict activities above groundwater supplies particularly sole source aquifers. Water resources are also affected by the McCarran Amendment (1952), where Congress returned substantial power to the states with respect to the management of water. The amendment requires that the Federal government waive its sovereign immunity in cases involving the general adjudication of water rights. On the other hand existence of Federal Reserve Water Rights can provide more ability to the government to use water on federal lands.
- b. FORT BELVOIR does not discharge to an impaired waterway. Groundwater contamination is reported. Surface water contamination is reported.  
**(The following water quantity data is from DoD Question # 282, 291, 297, 822, 825, 826):**  
FORT BELVOIR has -1792.2 Acre-Feet of surplus water potentially available for expansion. On average, it uses 1.73 MGD of potable and non-potable water, with the capacity to produce 4.4000000000000004 MGD. It processed on average 1.8500000000000001 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 6 MGD. It processed on average 0 MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process (No Capacity Reported) MGD.

**10. Wetlands (DoD Question # 251, 257):**

- a. The existence of jurisdictional wetlands poses restraints on the use of land for training, testing or operations. In the data call the installations were asked to report the presence of jurisdictional wetlands and compare the percent of restricted acres to the total acres. The presence of jurisdictional wetlands may reduce the ability of an installation to assume new or different missions, even if they do not presently pose restrictions, by limiting the availability of land.
- b. FORT BELVOIR reported 10.2% wetland restricted acres on the main installation, and no wetland restricted acres on ranges.

**INSTALLATION ENVIRONMENTAL PROFILE**  
**FORT LEONARD WOOD**

**1. Air Quality (DoD Question #210-225):**

- a. The Clean Air Act (CAA) establishes health-based standards for air quality and all areas of the country are monitored to determine if they meet the standards. A major limiting factor is whether the installation is in an area designated nonattainment or maintenance (air quality is not meeting the standard) and is therefore subject to more stringent requirements, including the CAA General Conformity Rule. Conformity requires that any new emissions from military sources brought into the area must be offset by credits or accounted for in the State Implementation Plan (SIP) emissions budget. The criteria pollutants of concern include: CO, O<sub>3</sub> (1 hour & 8 Hour), and PM (PM<sub>10</sub>, and PM<sub>2.5</sub>). Installations in attainment areas are not restricted, while activities for installations in non-attainment areas may be restricted. Non-attainment areas are classified as to the degree of non-attainment: Marginal, Moderate, Serious, and in the case of O<sub>3</sub>, Severe and Extreme. SIP Growth Allowances and Emission Reduction Credits are tools that can be used to accommodate increased emissions in a manner that conforms to a state's SIP. All areas of the country require operating permits if emissions from stationary sources exceed certain threshold amounts. Major sources already exceed the amount and are subject to permit requirements. Synthetic minor means the base has accepted legal limits to its emissions to stay under the major source threshold. Natural or true minor means the actual and potential emissions are below the threshold.
- b. **FORT LEONARD WOOD is in Attainment for all Criteria Pollutants.**

**2. Cultural/Archeological/Tribal Resources (DoD Question #229-237):**

- a. Many installations have historical, archeological, cultural and Tribal sites of interest. These sites and access to them often must be maintained, or consultation is typically required before changes can be made. The sites and any buffers surrounding them may reduce the quantity or quality of land or airspace available for training and maneuvers or even construction of new facilities. The presence of such sites needs to be recognized, but the fact that restrictions actually occur is the overriding factor the data call is trying to identify. A programmatic agreement with the State Historic Preservation Office (SHPO) facilitates management of these sites.
- b. **Historic property has been identified on FORT LEONARD WOOD.** There **is no** programmatic agreement for historic property in place with the SHPO. It **has** sites with high archeological potential identified, **which restrict operations and do not restrict construction.**

**3. Dredging (DoD Question # 226-228):**

- a. Dredging allows for free navigation of vessels through ports, channels, and rivers. Identification of sites with remaining capacity for the proper disposal of dredge spoil is the primary focus of the profile. However, the presence of unexploded ordnance or any other impediment that restricts the ability to dredge is also a consideration.
- b. **FORT LEONARD WOOD has no** impediments to dredging.

**4. Land Use Constraints/Sensitive Resource Areas (DoD Question #198-201, 238, 240-247, 254-256, 273):**

- a. Land use can be encroached from both internal and external pressures. This resource area combines several different types of possible constraints. It captures the variety of constraints not otherwise covered by other areas that could restrict operations or development. The areas include electromagnetic radiation or emissions, environmental restoration sites (on and off installation), military munitions response areas, explosive safety quantity distance arcs, treaties, underground storage tanks, sensitive resource areas, as well as policies, rules, regulations, and activities of other federal, state, tribal and local agencies. This area also captures other constraining factors from animals and wildlife that are not endangered but cause operational restrictions. This resource area specifically includes information on known environmental restoration costs through FY03 and the projected cost-to-complete the restoration.

- b. **FORT LEONARD WOOD** reports that 25429 unconstrained acres are available for development out of 62911 total acres. **FORT LEONARD WOOD** has spent \$0M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at \$0M. **FORT LEONARD WOOD** has Explosive Safety Quantity Distance Arcs, some of which require safety waivers, and all with the potential for expansion. It has Military Munitions Response Areas.

**5. Marine Mammal/Marine Resources/Marine Sanctuaries (DoD Question #248-250, 252-253):**

- a. This area captures the extent of any restrictions on near shore or open water testing, training or operations as a result of laws protecting Marine Mammals, Essential Fish Habitat, and other related marine resources.
- b. **FORT LEONARD WOOD** is not impacted by laws and regulations pertaining to Marine Mammal Protection Act, Essential Fish Habitats & Fisheries and Marine Sanctuaries, which may adversely restrict navigation and operations.

**6. Noise (DoD Question # 202-209, 239):**

- a. Military operations, particularly aircraft operations and weapons firing, may generate noise that can impact property outside of the installation. Installations with significant noise will typically generate maps that predict noise levels. These maps are then used to identify whether the noise levels are compatible with land uses in these noise-impacted areas. Installations will often publish noise abatement procedures to mitigate these noise impacts.
- b. **FORT LEONARD WOOD** has noise contours that extend off the installation's property. Of the 138 acres that extend to off-base property, 0 acres have incompatible land uses. It does not have published noise abatement procedures for the main installation. It has published noise abatement procedures for the training and/or RDT&E range.

**7. Threatened and Endangered Species/Critical Habitat (DoD Question #259-264)**

- a. The presence of threatened and endangered species (TES) can result in restrictions on training, testing and operations. They serve to reduce buildable acres and maneuver space. The data in this section reflects listed TES as well as candidate species, designated critical habitat as well as proposed habitat, and restrictions from Biological Opinions. The legally binding conditions in Biological Opinions are designed to protect TES, and critical habitat. The data call seeks to identify the presence of the resource, TES, candidate or critical habitat, even if they don't result in restrictions, as well places where restrictions do exist.
- b. **FORT LEONARD WOOD** reported that federally-listed TES are present that have delayed or diverted operations/training/testing, candidate species are not present, critical habitat is not present, and the installation has a Biological Opinion that places restrictions on operations.

**8. Waste Management (DoD Question # 265-272):**

- a. This resource area identifies whether the installation has existing waste treatment and/or disposal capabilities, whether there is additional capacity, and in some case whether the waste facility can accept off-site waste. This area includes Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal facilities, solid waste disposal facilities, RCRA Subpart X (open/burning/open detonation) and operations.
- b. **FORT LEONARD WOOD** does not have a permitted RCRA Treatment Storage and Disposal Facility (TSDF). **FORT LEONARD WOOD** does not have an interim or final RCRA Part X facility. **FORT LEONARD WOOD** does not have an on-base solid waste disposal facility.

**9. Water Resources (DoD Question # 258, 274-299):**

- a. This resource area asks about the condition of ground and surface water, and the legal status of water rights. Water is essential for installation operations and plays a vital role in the proper functioning of the surrounding ecosystems. Contamination of ground or surface waters can result in restrictions on training and operations and require funding to study and remediate. Federal clean water laws require states to identify impaired waters and to restrict the discharge of certain pollutants into those waters. Federal safe drinking water laws can require alternative sources of water and restrict activities above groundwater supplies particularly sole source aquifers. Water resources are also affected by the McCarran Amendment (1952), where Congress returned substantial power to the states with respect to the management of water. The amendment requires that the Federal government waive its sovereign immunity in cases involving the general adjudication of water rights. On the other hand existence of Federal Reserve Water Rights can provide more ability to the government to use water on federal lands.

- b. **FORT LEONARD WOOD does not discharge** to an impaired waterway. Groundwater contamination **is not** reported. Surface water contamination **is not** reported. **The state requires permits for the withdrawal of groundwater.**

**(The following water quantity data is from DoD Question # 282, 291, 297, 822, 825, 826):**

**FORT LEONARD WOOD** has **19168.900000000001** Acre-Feet of surplus water potentially available for expansion. On average, it uses **3.2999999999999998** MGD of potable and non-potable water, with the capacity to produce **6.7999999999999998** MGD. It processed on average **5.46** MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process **5** MGD. It processed on average **0** MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process **(No Capacity Reported)** MGD.

**10. Wetlands (DoD Question # 251, 257):**

- a. The existence of jurisdictional wetlands poses restraints on the use of land for training, testing or operations. In the data call the installations were asked to report the presence of jurisdictional wetlands and compare the percent of restricted acres to the total acres. The presence of jurisdictional wetlands may reduce the ability of an installation to assume new or different missions, even if they do not presently pose restrictions, by limiting the availability of land.
- b. **FORT LEONARD WOOD** reported **no** wetland restricted acres on the main installation, and **2.5%** wetland restricted acres on ranges.

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

Starting Year : 2006  
 Final Year : 2007  
 Payback Year : 2010 (3 Years)

NPV in 2025(\$K): -40,084  
 1-Time Cost(\$K): 10,230

Net Costs in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	----	-----
MilCon	7,312	0	0	0	0	0	7,312	0
Person	0	41	-111	-111	-111	-111	-403	-111
Overhd	221	-3,156	-3,633	-3,633	-3,633	-3,633	-17,467	-3,633
Moving	0	935	0	0	0	0	935	0
Missio	0	0	0	0	0	0	0	0
Other	0	1,430	135	135	135	135	1,970	135
<b>TOTAL</b>	<b>7,533</b>	<b>-750</b>	<b>-3,609</b>	<b>-3,609</b>	<b>-3,609</b>	<b>-3,609</b>	<b>-7,653</b>	<b>-3,609</b>

	2006	2007	2008	2009	2010	2011	Total	
	----	----	----	----	----	----	----	
<b>POSITIONS ELIMINATED</b>								
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	

<b>POSITIONS REALIGNED</b>								
Off	0	1	0	0	0	0	1	
Enl	0	9	0	0	0	0	9	
Stu	0	61	0	0	0	0	61	
Civ	0	25	0	0	0	0	25	
TOT	0	96	0	0	0	0	96	

Summary:

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 Proposal # 275 Consolidate the Engineer School (Prime Power) from Ft Belvoir to Ft Leonard Wood

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

Costs in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	----	-----
MilCon	7,312	0	0	0	0	0	7,312	0
Person	0	206	54	54	54	54	421	54
Overhd	221	795	318	318	318	318	2,289	318
Moving	0	954	0	0	0	0	954	0
Missio	0	0	0	0	0	0	0	0
Other	0	1,430	135	135	135	135	1,970	135
TOTAL	7,533	3,385	507	507	507	507	12,947	507

Savings in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	----	-----
MilCon	0	0	0	0	0	0	0	0
Person	0	165	165	165	165	165	824	165
Overhd	0	3,951	3,951	3,951	3,951	3,951	19,757	3,951
Moving	0	18	0	0	0	0	18	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	0	4,135	4,116	4,116	4,116	4,116	20,600	4,116

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
-----(\$K)-----	----	----	----	----	----	----	-----
CONSTRUCTION							
MILCON	7,312	0	0	0	0	0	7,312
O&M							
CIV SALARY							
Civ RIF	0	119	0	0	0	0	119
Civ Retire	0	25	0	0	0	0	25
CIV MOVING							
Per Diem	0	68	0	0	0	0	68
POV Miles	0	4	0	0	0	0	4
Home Purch	0	458	0	0	0	0	458
HHG	0	84	0	0	0	0	84
Misc	0	19	0	0	0	0	19
House Hunt	0	51	0	0	0	0	51
PPP	0	0	0	0	0	0	0
RITA	0	168	0	0	0	0	168
FREIGHT							
Packing	0	6	0	0	0	0	6
Freight	0	21	0	0	0	0	21
Vehicles	0	0	0	0	0	0	0
Unemployment	0	9	0	0	0	0	9
OTHER							
Info Tech	0	40	0	0	0	0	40
Prog Manage	40	30	0	0	0	0	70
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	446	0	0	0	0	446
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	3	0	0	0	0	3
POV Miles	0	2	0	0	0	0	2
HHG	0	22	0	0	0	0	22
Misc	0	10	0	0	0	0	10
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
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	1,295	0	0	0	0	1,295
TOTAL ONE-TIME	7,353	2,878	0	0	0	0	10,230

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
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RECURRINGCOSTS	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
O&M								
Sustainment	115	115	115	115	115	115	692	115
Recap	65	65	65	65	65	65	391	65
BOS	0	138	138	138	138	138	689	138
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	135	135	135	135	135	675	135
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	54	54	54	54	54	268	54
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	180	507	507	507	507	507	2,716	507
TOTAL COST	7,533	3,385	507	507	507	507	12,947	507
ONE-TIME SAVES	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
1-Time Move	0	0	0	0	0	0	0	
MIL PERSONNEL								
Mil Moving	0	18	0	0	0	0	18	
OTHER								
Environmental	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	18	0	0	0	0	18	
RECURRINGSAVES	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	2,266	2,266	2,266	2,266	2,266	11,330	2,266
Recap	0	1,640	1,640	1,640	1,640	1,640	8,199	1,640
BOS	0	45	45	45	45	45	228	45
Civ Salary	0	56	56	56	56	56	279	56
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	109	109	109	109	109	545	109
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	4,116	4,116	4,116	4,116	4,116	20,581	4,116
TOTAL SAVINGS	0	4,135	4,116	4,116	4,116	4,116	20,600	4,116

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
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ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
<b>CONSTRUCTION</b>								
MILCON	7,312	0	0	0	0	0	7,312	
<b>O&amp;M</b>								
Civ Retir/RIF	0	143	0	0	0	0	143	
Civ Moving	0	877	0	0	0	0	877	
Info Tech	0	40	0	0	0	0	40	
Other	40	485	0	0	0	0	525	
<b>MIL PERSONNEL</b>								
Mil Moving	0	18	0	0	0	0	18	
<b>OTHER</b>								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	0	0	0	0	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	1,295	0	0	0	0	1,295	
<b>TOTAL ONE-TIME</b>	<b>7,353</b>	<b>2,859</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,212</b>	
<b>RECURRING NET</b>								
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
<b>O&amp;M</b>								
Sustainment	115	-2,150	-2,150	-2,150	-2,150	-2,150	-10,637	-2,150
Recap	65	-1,575	-1,575	-1,575	-1,575	-1,575	-7,808	-1,575
BOS	0	92	92	92	92	92	462	92
Civ Salary	0	-56	-56	-56	-56	-56	-279	-56
TRICARE	0	135	135	135	135	135	675	135
<b>MIL PERSONNEL</b>								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	-55	-55	-55	-55	-55	-276	-55
<b>OTHER</b>								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
<b>TOTAL RECUR</b>	<b>180</b>	<b>-3,609</b>	<b>-3,609</b>	<b>-3,609</b>	<b>-3,609</b>	<b>-3,609</b>	<b>-17,865</b>	<b>-3,609</b>
<b>TOTAL NET COST</b>	<b>7,533</b>	<b>-750</b>	<b>-3,609</b>	<b>-3,609</b>	<b>-3,609</b>	<b>-3,609</b>	<b>-7,653</b>	<b>-3,609</b>

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
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Base: BELVOIR, VA (51062)	2006	2007	2008	2009	2010	2011	Total
ONE-TIME COSTS	-----	-----	-----	-----	-----	-----	-----
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	119	0	0	0	0	119
Civ Retire	0	25	0	0	0	0	25
CIV MOVING							
Per Diem	0	68	0	0	0	0	68
POV Miles	0	4	0	0	0	0	4
Home Purch	0	458	0	0	0	0	458
HHG	0	84	0	0	0	0	84
Misc	0	19	0	0	0	0	19
House Hunt	0	51	0	0	0	0	51
PPP	0	0	0	0	0	0	0
RITA	0	168	0	0	0	0	168
FREIGHT							
Packing	0	6	0	0	0	0	6
Freight	0	21	0	0	0	0	21
Vehicles	0	0	0	0	0	0	0
Unemployment	0	9	0	0	0	0	9
OTHER							
Info Tech	0	18	0	0	0	0	18
Prog Manage	40	30	0	0	0	0	70
Supt Contract	0	0	0	0	0	0	0
Mothball	0	446	0	0	0	0	446
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	3	0	0	0	0	3
POV Miles	0	2	0	0	0	0	2
HHG	0	22	0	0	0	0	22
Misc	0	10	0	0	0	0	10
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
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	40	1,561	0	0	0	0	1,601

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
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Base: BELVOIR, VA (51062)	2006	2007	2008	2009	2010	2011	Total	Beyond
RECURRINGCOSTS								
-----(\$K)-----	----	----	----	----	----	----	-----	-----
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	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 Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	40	1,561	0	0	0	0	1,601	0
ONE-TIME SAVES	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
1-Time Move	0	0	0	0	0	0	0	
MIL PERSONNEL								
Mil Moving	0	18	0	0	0	0	18	
OTHER								
Environmental	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	18	0	0	0	0	18	
RECURRINGSAVES	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	2,266	2,266	2,266	2,266	2,266	11,330	2,266
Recap	0	1,640	1,640	1,640	1,640	1,640	8,199	1,640
BOS	0	45	45	45	45	45	228	45
Civ Salary	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	109	109	109	109	109	545	109
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	4,060	4,060	4,060	4,060	4,060	20,302	4,060
TOTAL SAVINGS	0	4,079	4,060	4,060	4,060	4,060	20,320	4,060

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

Base: BELVOIR, VA (51062)								
ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	-----
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
Civ Retir/RIF	0	143	0	0	0	0	143	
Civ Moving	0	877	0	0	0	0	877	
Info Tech	0	18	0	0	0	0	18	
Other	40	485	0	0	0	0	525	
MIL PERSONNEL								
Mil Moving	0	18	0	0	0	0	18	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	0	0	0	0	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
TOTAL ONE-TIME	40	1,542	0	0	0	0	1,582	
RECURRING NET	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS								
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	-2,266	-2,266	-2,266	-2,266	-2,266	-11,330	-2,266
Recap	0	-1,640	-1,640	-1,640	-1,640	-1,640	-8,199	-1,640
BOS	0	-45	-45	-45	-45	-45	-228	-45
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	-109	-109	-109	-109	-109	-545	-109
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	-4,060	-4,060	-4,060	-4,060	-4,060	-20,302	-4,060
TOTAL NET COST	40	-2,518	-4,060	-4,060	-4,060	-4,060	-18,719	-4,060

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

Base: LEONARD WOOD, MO (29977)

ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
-----(\$K)-----	----	----	----	----	----	----	-----
CONSTRUCTION							
MILCON	7,312	0	0	0	0	0	7,312
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
PPP	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
Unemployment	0	0	0	0	0	0	0
OTHER							
Info Tech	0	22	0	0	0	0	22
Prog Manage	0	0	0	0	0	0	0
Supt Contract	0	0	0	0	0	0	0
Mothball	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
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	1,295	0	0	0	0	1,295
TOTAL ONE-TIME	7,312	1,317	0	0	0	0	8,629

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

Base: LEONARD WOOD, MO (29977)

RECURRINGCOSTS	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
O&M								
Sustainment	115	115	115	115	115	115	692	115
Recap	65	65	65	65	65	65	391	65
BOS	0	138	138	138	138	138	689	138
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	135	135	135	135	135	675	135
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	54	54	54	54	54	268	54
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	180	507	507	507	507	507	2,716	507
TOTAL COSTS	7,493	1,824	507	507	507	507	11,346	507
ONE-TIME SAVES	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
CONSTRUCTION								
MILCON	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								
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	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	56	56	56	56	56	279	56
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 Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	56	56	56	56	56	279	56
TOTAL SAVINGS	0	56	56	56	56	56	279	56

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

Base: LEONARD WOOD, MO (29977)

ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
CONSTRUCTION								
MILCON	7,312	0	0	0	0	0	7,312	
O&M								
Civ Retir/RIF	0	0	0	0	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Info Tech	0	22	0	0	0	0	22	
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	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	1,295	0	0	0	0	1,295	
TOTAL ONE-TIME	7,312	1,317	0	0	0	0	8,629	
RECURRING NET	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS								
O&M	0	0	0	0	0	0	0	0
Sustainment	115	115	115	115	115	115	692	115
Recap	65	65	65	65	65	65	391	65
BOS	0	138	138	138	138	138	689	138
Civ Salary	0	-56	-56	-56	-56	-56	-279	-56
TRICARE	0	135	135	135	135	135	675	135
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	54	54	54	54	54	268	54
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	180	451	451	451	451	451	2,437	451
TOTAL NET COST	7,493	1,768	451	451	451	451	11,066	451

TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.04)  
Data As Of 12/13/2004 1:50:10 PM, Report Created 2/10/2005 8:56:01 AM

Department : Army  
Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
Option Pkg Name: Consolidate US Army Engineer School  
Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

All values in 2005 Constant Dollars

Base Name	Total MilCon*	Milcon Cost Avoidance	Total Net Costs
BELVOIR	0	0	0
LEONARD WOOD	7,312,570	0	7,312,570
Totals:	7,312,570	0	7,312,570

\* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

MilCon for Base: LEONARD WOOD, MO (29977)

All values in 2005 Constant Dollars (\$K)

FAC	Title	UM	New MilCon	New Cost*	Using Rehab Rehab Type	Rehab Cost*	Total Cost*
1711	General Purpose Instruction Building	SF	7,000	1,493	0 Default	0	1,493
1712	Applied Instruction Building	SF	10,000	2,410	0 Default	0	2,410
7210	Enlisted Unaccompanied Personnel Housing	SF	5,000	1,032	0 Default	0	1,032
7213	Student Barracks	SF	10,000	2,063	0 Default	0	2,063
8521	Vehicle Parking, Surfaced	SY	5,000	314	0 Default	0	314
Total Construction Cost:							7,312
- Construction Cost Avoid:							0
Total Net Milcon Cost:							7,312

\* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
-----	----	-----
Construction		
Military Construction	7,312,570	
Total - Construction		7,312,570
Personnel		
Civilian RIF	118,657	
Civilian Early Retirement	24,784	
Eliminated Military PCS	0	
Unemployment	8,902	
Total - Personnel		152,344
Overhead		
Program Management Cost	70,200	
Support Contract Termination	0	
Mothball / Shutdown	446,400	
Total - Overhead		516,600
Moving		
Civilian Moving	850,604	
Civilian PPP	0	
Military Moving	36,670	
Freight	26,543	
Information Technologies	40,000	
One-Time Moving Costs	0	
Total - Moving		953,817
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	1,295,000	
Total - Other		1,295,000
-----		
Total One-Time Costs		10,230,332
-----		
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	18,573	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
-----		
Total One-Time Savings		18,573
-----		
Total Net One-Time Costs		10,211,759

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

Base: BELVOIR, VA (51062)  
 (All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
-----	----	-----
<b>Construction</b>		
Military Construction	0	
Total - Construction		0
<b>Personnel</b>		
Civilian RIF	118,657	
Civilian Early Retirement	24,784	
Eliminated Military PCS	0	
Unemployment	8,902	
Total - Personnel		152,344
<b>Overhead</b>		
Program Management Cost	70,200	
Support Contract Termination	0	
Mothball / Shutdown	446,400	
Total - Overhead		516,600
<b>Moving</b>		
Civilian Moving	850,604	
Civilian PPP	0	
Military Moving	36,670	
Freight	26,543	
Information Technologies	18,000	
One-Time Moving Costs	0	
Total - Moving		931,817
<b>Other</b>		
HAP / RSE	0	
Environmental Mitigation Costs	0	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		0
-----		
Total One-Time Costs		1,600,762
-----		
<b>One-Time Savings</b>		
Military Construction Cost Avoidances	0	
Military Moving	18,573	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
-----		
Total One-Time Savings		18,573
-----		
Total Net One-Time Costs		1,582,188

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

Base: LEONARD WOOD, MO (29977)  
 (All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
-----	----	-----
<b>Construction</b>		
Military Construction	7,312,570	
Total - Construction		7,312,570
<b>Personnel</b>		
Civilian RIF	0	
Civilian Early Retirement	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
<b>Overhead</b>		
Program Management Cost	0	
Support Contract Termination	0	
Mothball / Shutdown	0	
Total - Overhead		0
<b>Moving</b>		
Civilian Moving	0	
Civilian PPP	0	
Military Moving	0	
Freight	0	
Information Technologies	22,000	
One-Time Moving Costs	0	
Total - Moving		22,000
<b>Other</b>		
HAP / RSE	0	
Environmental Mitigation Costs	0	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	1,295,000	
Total - Other		1,295,000
-----		
Total One-Time Costs		8,629,570
-----		
<b>One-Time Savings</b>		
Military Construction Cost Avoidances	0	
Military Moving	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		8,629,570

COBRA NET PRESENT VALUES REPORT (COBRA v6.04)

Data As Of 12/13/2004 1:50:10 PM, Report Created 2/10/2005 8:56:01 AM

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

Year	Cost(\$)	Adjusted Cost(\$)	NPV(\$)
----	-----	-----	-----
2006	7,533,235	7,417,318	7,417,318
2007	-750,002	-715,910	6,701,408
2008	-3,609,076	-3,339,819	3,361,589
2009	-3,609,076	-3,237,827	123,762
2010	-3,609,076	-3,138,950	-3,015,189
2011	-3,609,076	-3,043,093	-6,058,281
2012	-3,609,076	-2,950,163	-9,008,444
2013	-3,609,076	-2,860,070	-11,868,515
2014	-3,609,076	-2,772,729	-14,641,244
2015	-3,609,076	-2,688,056	-17,329,300
2016	-3,609,076	-2,605,968	-19,935,268
2017	-3,609,076	-2,526,387	-22,461,655
2018	-3,609,076	-2,449,236	-24,910,891
2019	-3,609,076	-2,374,441	-27,285,331
2020	-3,609,076	-2,301,930	-29,587,261
2021	-3,609,076	-2,231,633	-31,818,895
2022	-3,609,076	-2,163,484	-33,982,379
2023	-3,609,076	-2,097,415	-36,079,794
2024	-3,609,076	-2,033,364	-38,113,158
2025	-3,609,076	-1,971,269	-40,084,428

COBRA PERSONNEL SUMMARY REPORT (COBRA v6.04)

Data As Of 12/13/2004 1:50:10 PM, Report Created 2/10/2005 8:56:01 AM

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

PERSONNEL SUMMARY FOR: BELVOIR, VA (51062)

BASE POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
1,585	1,699	393	10,526

PROGRAMMED INSTALLATION (NON-BRAC) CHANGES FOR: BELVOIR, VA (51062)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	3	0	0	0	3
Enlisted	0	0	3	0	0	0	3
Students	6	1	0	0	0	0	7
Civilians	-6	-2	0	-3	0	0	-11
TOTAL	0	-1	6	-3	0	0	2

BASE POPULATION (Prior to BRAC Action) FOR: BELVOIR, VA (51062)

Officers	Enlisted	Students	Civilians
1,588	1,702	400	10,515

PERSONNEL REALIGNMENTS:

To Base: LEONARD WOOD, MO (29977)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	1	0	0	0	0	1
Enlisted	0	9	0	0	0	0	9
Students	0	61	0	0	0	0	61
Civilians	0	25	0	0	0	0	25
TOTAL	0	96	0	0	0	0	96

TOTAL PERSONNEL REALIGNMENTS (Out of BELVOIR, VA (51062)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	1	0	0	0	0	1
Enlisted	0	9	0	0	0	0	9
Students	0	61	0	0	0	0	61
Civilians	0	25	0	0	0	0	25
TOTAL	0	96	0	0	0	0	96

BASE POPULATION (After BRAC Action) FOR: BELVOIR, VA (51062)

Officers	Enlisted	Students	Civilians
1,587	1,693	339	10,490

PERSONNEL SUMMARY FOR: LEONARD WOOD, MO (29977)

BASE POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
763	6,110	18,120	1,960

PROGRAMMED INSTALLATION (NON-BRAC) CHANGES FOR: LEONARD WOOD, MO (29977)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	176	122	0	0	0	0	298
Civilians	0	0	0	0	0	0	0
TOTAL	176	122	0	0	0	0	298

BASE POPULATION (Prior to BRAC Action) FOR: LEONARD WOOD, MO (29977)

Officers	Enlisted	Students	Civilians
763	6,110	18,418	1,960

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

PERSONNEL REALIGNMENTS:

From Base: BELVOIR, VA (51062)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	1	0	0	0	0	1
Enlisted	0	9	0	0	0	0	9
Students	0	61	0	0	0	0	61
Civilians	0	25	0	0	0	0	25
TOTAL	0	96	0	0	0	0	96

TOTAL PERSONNEL REALIGNMENTS (Into LEONARD WOOD, MO (29977)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	1	0	0	0	0	1
Enlisted	0	9	0	0	0	0	9
Students	0	61	0	0	0	0	61
Civilians	0	25	0	0	0	0	25
TOTAL	0	96	0	0	0	0	96

BASE POPULATION (After BRAC Action) FOR: LEONARD WOOD, MO (29977)

Officers	Enlisted	Students	Civilians
764	6,119	18,479	1,985

COBRA PERSONNEL YEARLY PERCENTAGES REPORT (COBRA v6.04)  
 Data As Of 12/13/2004 1:50:10 PM, Report Created 2/10/2005 8:56:01 AM

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

Base: BELVOIR, VA (51062)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	100.00%	0	0.00%	0.00%
2007	0	0.00%	0.00%	96	100.00%	100.00%
2008	0	0.00%	0.00%	0	0.00%	0.00%
2009	0	0.00%	0.00%	0	0.00%	0.00%
2010	0	0.00%	0.00%	0	0.00%	0.00%
2011	0	0.00%	0.00%	0	0.00%	0.00%
TOTALS	0	0.00%	100.00%	96	100.00%	100.00%

Base: LEONARD WOOD, MO (29977)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	100.00%	0	0.00%	16.67%
2007	96	100.00%	0.00%	0	0.00%	16.67%
2008	0	0.00%	0.00%	0	0.00%	16.67%
2009	0	0.00%	0.00%	0	0.00%	16.67%
2010	0	0.00%	0.00%	0	0.00%	16.67%
2011	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	96	100.00%	100.00%	0	0.00%	100.00%

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	25	0	0	0	0	25
Early Retirement*	8.10%	0	2	0	0	0	0	2
Regular Retirement*	1.67%	0	0	0	0	0	0	0
Civilian Turnover*	9.16%	0	2	0	0	0	0	2
Civs Not Moving (RIFs)*	6.00%	0	2	0	0	0	0	2
Civilians Moving (the remainder)		0	19	0	0	0	0	19
Civilian Positions Available		0	6	0	0	0	0	6
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	8.10%	0	0	0	0	0	0	0
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	39.97%	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	25	0	0	0	0	25
Civilians Moving		0	19	0	0	0	0	19
New Civilians Hired		0	6	0	0	0	0	6
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	2	0	0	0	0	2
TOTAL CIVILIAN RIFS		0	2	0	0	0	0	2
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	6	0	0	0	0	6

\* 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 PPP placements involving a PCS is 50.70%

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

Base: BELVOIR, VA (51062)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	25	0	0	0	0	25
Early Retirement*	8.10%	0	2	0	0	0	0	2
Regular Retirement*	1.67%	0	0	0	0	0	0	0
Civilian Turnover*	9.16%	0	2	0	0	0	0	2
Civs Not Moving (RIFs)*	6.00%	0	2	0	0	0	0	2
Civilians Moving (the remainder)		0	19	0	0	0	0	19
Civilian Positions Available		0	6	0	0	0	0	6
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	8.10%	0	0	0	0	0	0	0
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	39.97%	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	2	0	0	0	0	2
TOTAL CIVILIAN RIFS		0	2	0	0	0	0	2
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 PPP placements involving a PCS is 50.70%

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

Base: LEONARD WOOD, MO (29977)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	8.10%	0	0	0	0	0	0	0
Regular Retirement*	1.67%	0	0	0	0	0	0	0
Civilian Turnover*	9.16%	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	8.10%	0	0	0	0	0	0	0
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	39.97%	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	25	0	0	0	0	25
Civilians Moving		0	19	0	0	0	0	19
New Civilians Hired		0	6	0	0	0	0	6
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	6	0	0	0	0	6

\* 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 PPP placements involving a PCS is 50.70%

COBRA SUSTAINMENT/RECAP/BOS/HOUSING CHANGE REPORT (COBRA v6.04)  
 Data As Of 12/13/2004 1:50:10 PM, Report Created 2/10/2005 8:56:01 AM

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

Net Change(\$K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	115	-2,150	-2,150	-2,150	-2,150	-2,150	-10,637	-2,150
Recap Change	65	-1,575	-1,575	-1,575	-1,575	-1,575	-7,808	-1,575
BOS Change	0	92	92	92	92	92	462	92
Housing Change	0	0	0	0	0	0	0	0
<b>TOTAL CHANGES</b>	<b>180</b>	<b>-3,633</b>	<b>-3,633</b>	<b>-3,633</b>	<b>-3,633</b>	<b>-3,633</b>	<b>-17,984</b>	<b>-3,633</b>

BELVOIR, VA (51062)

Net Change(\$K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	-2,266	-2,266	-2,266	-2,266	-2,266	-11,330	-2,266
Recap Change	0	-1,640	-1,640	-1,640	-1,640	-1,640	-8,199	-1,640
BOS Change	0	-45	-45	-45	-45	-45	-228	-45
Housing Change	0	0	0	0	0	0	0	0
<b>TOTAL CHANGES</b>	<b>0</b>	<b>-3,951</b>	<b>-3,951</b>	<b>-3,951</b>	<b>-3,951</b>	<b>-3,951</b>	<b>-19,757</b>	<b>-3,951</b>

LEONARD WOOD, MO (29977)

Net Change(\$K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	115	115	115	115	115	115	692	115
Recap Change	65	65	65	65	65	65	391	65
BOS Change	0	138	138	138	138	138	689	138
Housing Change	0	0	0	0	0	0	0	0
<b>TOTAL CHANGES</b>	<b>180</b>	<b>318</b>	<b>318</b>	<b>318</b>	<b>318</b>	<b>318</b>	<b>1,773</b>	<b>318</b>

COBRA INPUT DATA REPORT (COBRA v6.04)

Data As Of 12/13/2004 1:50:10 PM, Report Created 2/10/2005 8:56:01 AM

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 2006  
 Model does Time-Phasing of Construction/Shutdown: Yes

Base Name, ST (Code)	Strategy:
-----	-----
BELVOIR, VA (51062)	Realignment
LEONARD WOOD, MO (29977)	Realignment

INPUT SCREEN TWO - DISTANCE TABLE  
 (Only shows distances where personnel or equipment are moving)

Point A:	Point B:	Distance:
-----	-----	-----
BELVOIR, VA (51062)	LEONARD WOOD, MO (29977)	957 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from BELVOIR, VA (51062) to LEONARD WOOD, MO (29977)

	2006	2007	2008	2009	2010	2011
	----	----	----	----	----	----
Officer Positions:	0	1	0	0	0	0
Enlisted Positions:	0	9	0	0	0	0
Civilian Positions:	0	25	0	0	0	0
Student Positions:	0	61	0	0	0	0
NonVeh Missn Eqpt(tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Mil Light Vehic (tons):	0	0	0	0	0	0
Heavy/Spec Vehic (tons):	0	0	0	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: BELVOIR, VA (51062)

Total Officer Employees:	1,585	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	1,699	Total Sustainment(\$K/Year):	27,468
Total Student Employees:	393	Sustain Payroll (\$K/Year):	0
Total Civilian Employees:	10,526	BOS Non-Payroll (\$K/Year):	11,641
Accomp Mil not Receiving BAH:	0.0%	BOS Payroll (\$K/Year):	47,707
Officer Housing Units Avail:	0	Family Housing (\$K/Year):	0
Enlisted Housing Units Avail:	0	Installation PRV(\$K):	2,047,450
Starting Facilities(KSF):	12,025	Svc/Agcy Recap Rate (Years):	103
Officer BAH (\$/Month):	2,006	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	1,415		
Civ Locality Pay Factor:	1.147	TRICARE	In-Pat Out-Pat
Area Cost Factor:	1.02		Admits Visits Prescrip
Per Diem Rate (\$/Day):	201	CostFactor	10,586.00 94.00 28.15
Freight Cost (\$/Ton/Mile):	0.33	Actv MTF	2,212 190,340 153,436
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	86 8,689
Latitude:	38.683330	Retiree	620 82,951 143,920
Longitude:	-77.133330	Retiree65+	399 38,978 127,451

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: LEONARD WOOD, MO (29977)

Total Officer Employees:	763	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	6,110	Total Sustainment(\$K/Year):	42,381
Total Student Employees:	18,120	Sustain Payroll (\$K/Year):	0
Total Civilian Employees:	1,960	BOS Non-Payroll (\$K/Year):	53,555
Accomp Mil not Receiving BAH:	0.0%	BOS Payroll (\$K/Year):	74,145
Officer Housing Units Avail:	0	Family Housing (\$K/Year):	0
Enlisted Housing Units Avail:	0	Installation PRV(\$K):	2,839,467
Starting Facilities(KSF):	14,756	Svc/Agcy Recap Rate (Years):	103
Officer BAH (\$/Month):	816	Homeowner Assistance Program:	Yes
Enlisted BAH (\$/Month):	732		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	1.13		Admits Visits Prescrip
Per Diem Rate (\$/Day):	109	CostFactor	7,746.00 142.00 59.79
Freight Cost (\$/Ton/Mile):	0.33	Actv MTF	1,959 284,833 352,901
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	340 11,746
Latitude:	37.733330	Retiree	448 49,631 152,611
Longitude:	-92.116670	Retiree65+	213 8,542 106,678

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: BELVOIR, VA (51062)

	2006	2007	2008	2009	2010	2011
	----	----	----	----	----	----
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
Misn Contract Start(\$K):	0	0	0	0	0	0
Misn Contract Term (\$K):	0	0	0	0	0	0
Supt Contract Term (\$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
One-Time IT Costs (\$K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc(\$K):	0	0	0	0	0	0
Procurement Avoidnc(\$K):	0	0	0	0	0	0
MTF Closure Action:	None	Fac ShDn(KSF):		992	FH ShDn:	0.000%

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
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INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: LEONARD WOOD, MO (29977)	2006	2007	2008	2009	2010	2011
	----	----	----	----	----	----
1-Time Unique Cost (\$K):	0	1,295	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
Misn Contract Start(\$K):	0	0	0	0	0	0
Misn Contract Term (\$K):	0	0	0	0	0	0
Supt Contract Term (\$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
One-Time IT Costs (\$K):	0	22	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc(\$K):	0	0	0	0	0	0
Procurement Avoidnc(\$K):	0	0	0	0	0	0
MTF Closure Action:	None Fac ShDn(KSF):			0 FH ShDn:	0.000%	

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: BELVOIR, VA (51062)	2006	2007	2008	2009	2010	2011
	----	----	----	----	----	----
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 Prog nonBRAC Change:	0	0	3	0	0	0
Enl Prog nonBRAC Change:	0	0	3	0	0	0
Civ Prog nonBRAC Change:	-6	-2	0	-3	0	0
Stu Prog nonBRAC Change:	6	1	0	0	0	0
Prog FH Privatization:	100%	0%	0%	0%	0%	0%

Name: LEONARD WOOD, MO (29977)	2006	2007	2008	2009	2010	2011
	----	----	----	----	----	----
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 Prog nonBRAC Change:	0	0	0	0	0	0
Enl Prog nonBRAC Change:	0	0	0	0	0	0
Civ Prog nonBRAC Change:	0	0	0	0	0	0
Stu Prog nonBRAC Change:	176	122	0	0	0	0
Prog FH Privatization:	100%	0%	0%	0%	0%	0%

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

INPUT SCREEN SEVEN - BASE MILITARY CONSTRUCTION INFORMATION

Name: LEONARD WOOD, MO (29977)

FAC	UM	New MilCon	Rehab MilCon	TotCost(\$K)	FPG Con CF	FPG Sust CF
1711	SF	7,000	0 Default	0	154.99	3.65
1712	SF	10,000	0 Default	0	175.25	2.71
7210	SF	5,000	0 Default	0	149.92	4.16
7213	SF	10,000	0 Default	0	149.92	3.86
8521	SY	5,000	0 Default	0	45.83	1.07

STANDARD FACTORS SCREEN ONE - PERSONNEL

SF File Descrip:

Perc Officers Accompanied:	72.00%	Priority Placement Program:	39.97%
Perc Enlisted Accompanied:	55.00%	PPP Actions Involving PCS:	50.70%
Officer Salary(\$/Year):	124,971.93	Civilian PCS Costs (\$):	35,496.00
Enlisted Salary(\$/Year):	82,399.09	Home Sale Reimburse Rate:	10.00%
Civilian Salary(\$/Year):	59,959.18	Max Home Sale Reimburs(\$):	50,000.00
Avg Unemploy Cost(\$/Week):	272.90	Home Purch Reimburse Rate:	5.00%
Unemployment Eligibility(Weeks):	16	Max Home Purch Reimburs(\$):	25,000.00
Civilians Not Willing To Move:	6.00%	Civilian Homeowning Rate:	68.40%
Civilian Turnover Rate:	9.16%	HAP Home Value Reimburse Rate:	13.46%
Civilian Early Retire Rate:	8.10%	HAP Homeowner Receiving Rate:	18.44%
Civilian Regular Retire Rate:	1.67%	RSE Home Value Reimburse Rate:	0.00%
Civilian RIF Pay Factor:	86.32%	RSE Homeowner Receiving Rate:	0.00%
Civ Early Retire Pay Factor:	18.03%		

STANDARD FACTORS SCREEN TWO - FACILITIES

	Army	Navy	Air Force	Marines
Service Sustainment Rate	87.00%	93.00%	92.00%	97.00%
Unit Cost Adjustment (BOS)	10332.00	8879.00	3032.00	3904.00
Program Management Factor:	10.00	MilCon Site Prep Cost (\$/SF):	0.74	
Mothball (Close) (\$/SF):	0.18	MilCon Contingency Plan Rate:	5.00%	
Mothball (Deac/Realn) (\$/SF):	0.45	MilCon Design Rate (Medical):	13.00%	
Rehab vs. MilCon (Default):	47.00%	MilCon Design Rate (Other):	9.00%	
Rehab vs. MilCon (Red):	64.00%	MilCon SIOH Rate:	6.00%	
Rehab vs. MilCon (Amber):	29.00%	Discount Rate for NPV/Payback:	3.15%	

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Mil (Lb):	710	Storage-In-Transit (\$/Pers):	373.76
HHG Per Off Accomp (Lb):	15,290.00	POV Reimburse(\$/Mile):	0.20
HHG Per Enl Accomp (Lb):	9,204.00	Air Transport (\$/Pass Mile):	0.20
HHG Per Off Unaccomp (Lb):	13,712.00	IT Connect (\$/Person):	200.00
HHG Per Enl Unaccomp (Lb):	6,960.00	Misc Exp(\$/Direct Employee):	1,000.00
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Months):	30.02
Total HHG Cost (\$/100Lb):	8.78	One-Time Off PCS Cost(\$):	10,477.58
Equip Pack & Crate(\$/Ton):	180.67	One-Time Enl PCS Cost(\$):	3,998.52

Department : Army  
Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
Option Pkg Name: Consolidate US Army Engineer School  
Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

FOOTNOTES FOR SCREEN ONE

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Proposal # 275 Consolidate the Engineer School (Prime Power) from Ft Belvoir to Ft Leonard Wood

FOOTNOTES FOR SCREEN FIVE

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The one-time unique cost is a combination of core and community facility cost for utility support construction

The IT one-time cost is a result of adding to the population of FT Leonard Wood currently at (25,910) 96 personnel increasing the total to 26,006

This move vacated 992,000,SF at Ft Belvoir

FOOTNOTES FOR SCREEN SEVEN

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Based upon certified classroom and berthing capacity data, SST sub-group believes that some MILCON provided by the Army TABS may be needs to be validated by Ft. Leonard Wood

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

Base	Personnel			
	Start*	Finish*	Change	%Change
BELVOIR	14,205	14,109	-96	-1%
LEONARD WOOD	27,251	27,347	96	0%
TOTAL	41,456	41,456	0	0%

Base	Square Footage				
	Start	Finish	Change	%Change	Chg/Per
BELVOIR	12,025,000	11,033,000	-992,000	-8%	10,333
LEONARD WOOD	14,756,000	14,788,000	32,000	0%	333
TOTAL	26,781,000	25,821,000	-960,000	-4%	0

Base	Base Operations Support (2005\$)				
	Start*	Finish*	Change	%Change	Chg/Per
BELVOIR	11,641,999	11,596,450	-45,549	0%	474
LEONARD WOOD	53,983,018	54,120,909	137,891	0%	1,436
TOTAL	65,625,016	65,717,359	92,342	0%	0

Base	Sustainment (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
BELVOIR	27,467,850	25,201,895	-2,265,955	-8%	23,604
LEONARD WOOD	42,381,520	42,496,936	115,416	0%	1,202
TOTAL	69,849,370	67,698,831	-2,150,539	-3%	0

Base	Recapitalization (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
BELVOIR	19,878,161	18,238,316	-1,639,845	-8%	17,082
LEONARD WOOD	27,567,645	27,632,779	65,134	0%	678
TOTAL	47,445,806	45,871,095	-1,574,711	-3%	0

Base	Sustain + Recap + BOS (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
BELVOIR	58,988,010	55,036,661	-3,951,349	-7%	41,160
LEONARD WOOD	123,932,183	124,250,624	318,441	0%	3,317
TOTAL	182,920,193	179,287,285	-3,632,908	-2%	0

Base	Plant Replacement Value (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
BELVOIR	2,047,450,590	1,878,546,558	-168,904,032	-8%	1,759,417
LEONARD WOOD	2,839,467,440	2,846,176,220	6,708,780	0%	69,883
TOTAL	4,886,918,030	4,724,722,778	-162,195,252	-3%	0

Department : Army  
Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
Option Pkg Name: Consolidate US Army Engineer School  
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\* "Start" and "Finish" values for Personnel and BOS both include the Programmed Installation Population (non-BRAC) Changes, so that only changes attributable to the BRAC action are reflected in the "Change" columns of this report.

COBRA ECONOMIC IMPACT REPORT (COBRA v6.04)

Data As Of 12/13/2004 1:50:10 PM, Report Created 2/10/2005 8:56:01 AM

Department : Army  
 Scenario File : D:\BRAC\COBRA\COBRA Files for Candidate Recommendations\E&T 0029 Prime Power School-LW\_II.CBR  
 Option Pkg Name: Consolidate US Army Engineer School  
 Std Fctrs File : D:\BRAC\COBRA\COBRA Recent Edition\COBRA 6.04 - Program December 08 04\BRAC2005.SFF

BELVOIR, VA (51062)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	0	0	0	0
Jobs Lost-Mil	0	10	0	0	0	0	10
NET CHANGE-Mil	0	-10	0	0	0	0	-10
Jobs Gained-Civ	0	0	0	0	0	0	0
Jobs Lost-Civ	0	25	0	0	0	0	25
NET CHANGE-Civ	0	-25	0	0	0	0	-25
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	61	0	0	0	0	61
NET CHANGE-Stu	0	-61	0	0	0	0	-61

LEONARD WOOD, MO (29977)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	10	0	0	0	0	10
Jobs Lost-Mil	0	0	0	0	0	0	0
NET CHANGE-Mil	0	10	0	0	0	0	10
Jobs Gained-Civ	0	25	0	0	0	0	25
Jobs Lost-Civ	0	0	0	0	0	0	0
NET CHANGE-Civ	0	25	0	0	0	0	25
Jobs Gained-Stu	0	61	0	0	0	0	61
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	61	0	0	0	0	61



# E&TCR-0029

**Candidate Recommendation:** Realign Fort Belvoir, VA, by relocating Army Prime Power School training to Fort Leonard Wood, MO.

## Justification

- ✓ The U.S. Army Prime Power courses are Engineer Branch Courses
- ✓ The “common core” phase of the NCOES courses are at Fort Leonard Wood, MO

## Military Value

- ✓ Belvoir:
  - ✓ Initial Skills 31.20
  - ✓ Skills Progression 37.46
  - ✓ Functional 38.58
- ✓ Leonard Wood:
  - ✓ Initial Skills 52.87
  - ✓ Skills Progression 46.86
  - ✓ Functional 43.91

## Payback

- ✓ One Time Cost: \$10.23M
- ✓ Net Implementation Costs: \$7.653M
- ✓ Annual Recurring Savings: \$3.609M
- ✓ Payback Period: 3 Years
- ✓ NPV (savings): \$40.084M

## Impacts

- ✓ Criterion 6: -159 jobs (96 direct, 63 indirect); < 0.1%.
- ✓ Criterion 7: No issues
- ✓ Criterion 8: No impediments

- ✓ Strategy
- ✓ COBRA

- ✓ Capacity Analysis / Data Verification
- ✓ Military Value Analysis / Data Verification

- ✓ JCSG/MilDep Recommended
- ✓ Criteria 6-8 Analysis

- ✓ De-conflicted w/JCSGs
- ✓ De-conflicted w/MilDepts

# Economic Impact Report

This report depicts the economic impact of the following Scenarios:

ET0029: Army Prime Power School Belvoir to Leonard Wood

The data in this report is rolled up by Action

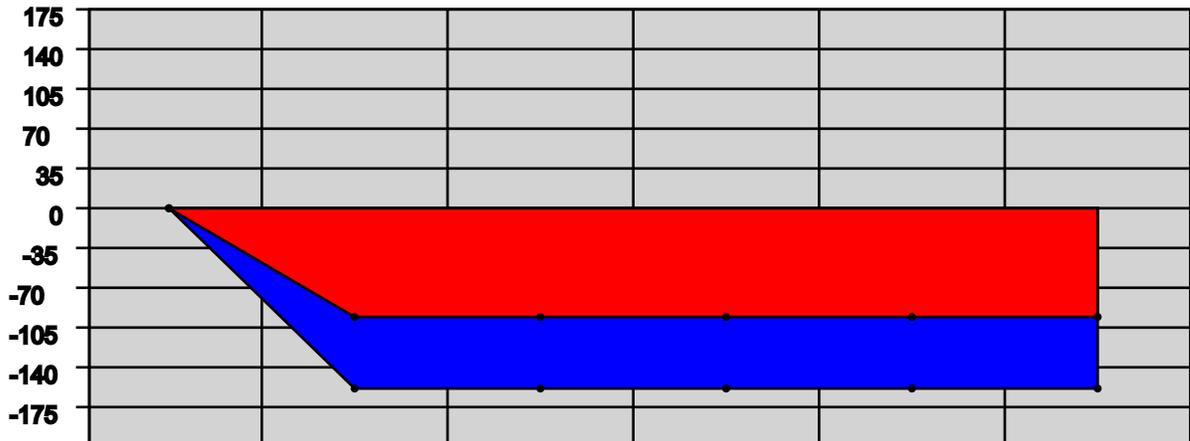
ECONOMIC IMPACT DATA

**Scenario:** Army Prime Power School Belvoir to Leonard Wood  
**Economic Region of Influence(ROI):** Washington-Arlington-Alexandria, DC-VA-MD-WV Metropolitan Division  
**Base:** BELVOIR  
**Action:** Prime Power School - Belvoir

**Overall Economic Impact of Proposed BRAC-05 Action:**

ROI Population (2002):	3,895,337
ROI Employment (2002):	2,771,791
Authorized Manpower (2005):	14,203
Authorized Manpower(2005) / ROI Employment(2002):	0.51%
Total Estimated Job Change:	-159
Total Estimated Job Change / ROI Employment(2002):	-0.01%

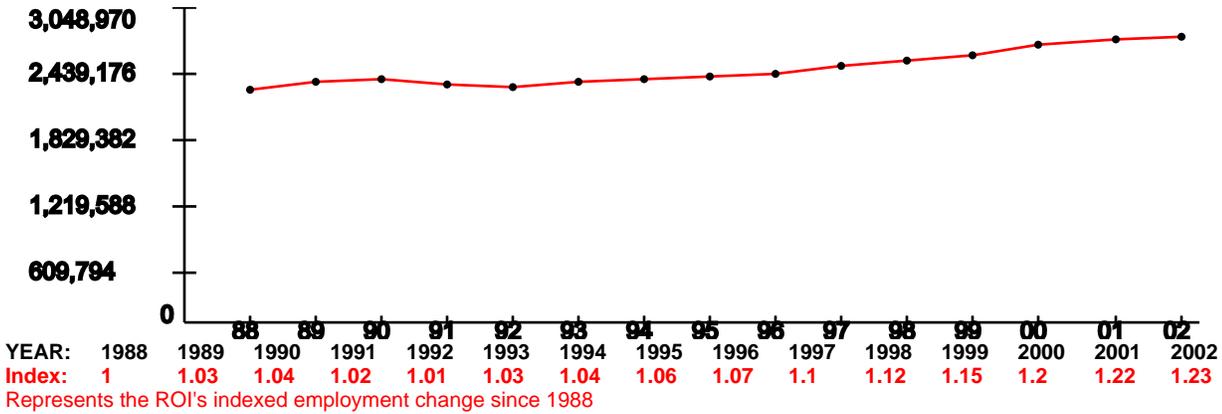
**Cumulative Job Change (Gain/Loss) Over Time:**



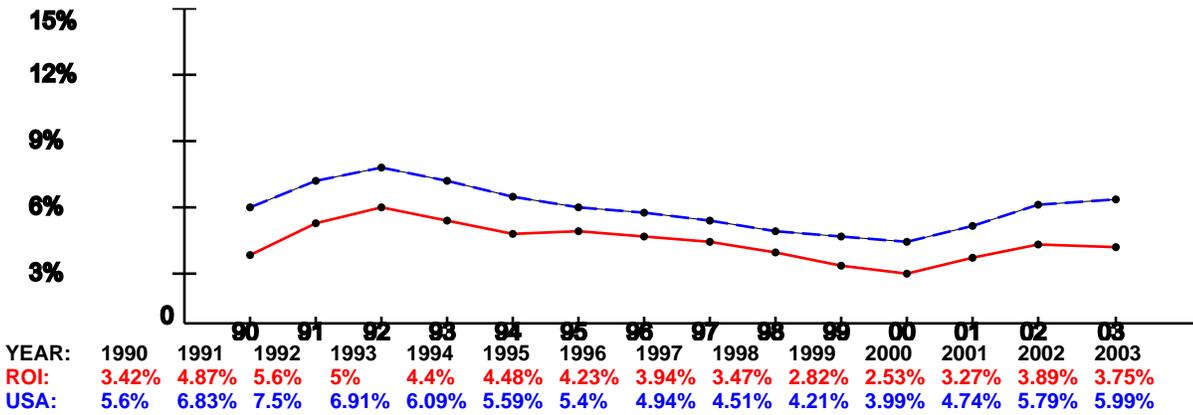
YEAR:	2006	2007	2008	2009	2010	2011
<b>Direct Military:</b>	0	-10	0	0	0	0
<b>Direct Civilian:</b>	0	-25	0	0	0	0
<b>Direct Student:</b>	0	-61	0	0	0	0
<b>Direct Contractor:</b>	0	0	0	0	0	0
<b>Cumulative Direct:</b>	0	-96	-96	-96	-96	-96
<b>Cum Indlr/Induc:</b>	0	-63	-63	-63	-63	-63
<b>Cumulative Total:</b>	0	-159	-159	-159	-159	-159

Washington-Arlington-Alexandria, DC-VA-MD-WV Metropolitan Division Trend Data

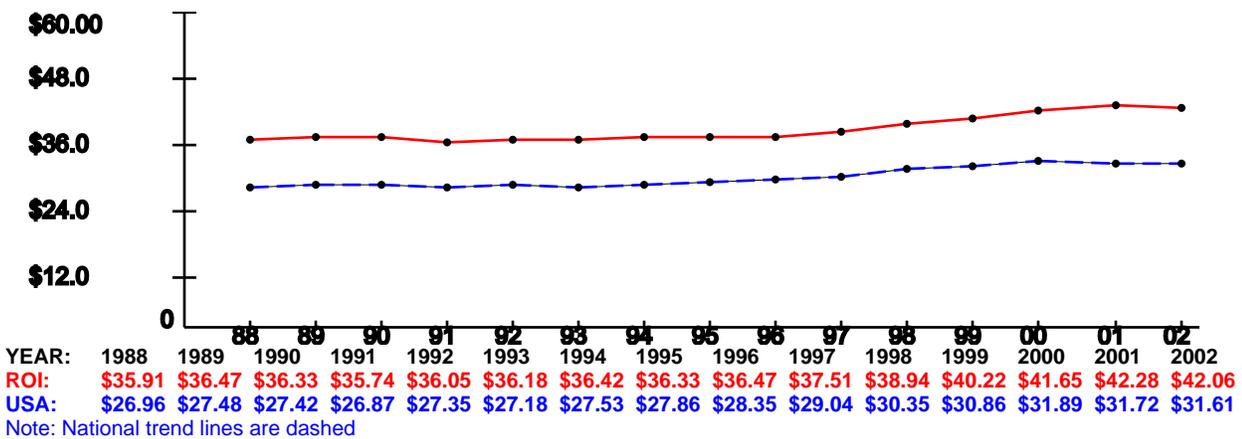
**Employment Trend (1988-2002)**



**Unemployment Percentage Trend (1990-2003)**



**Per Capita Income x \$1,000 (1988-2002)**



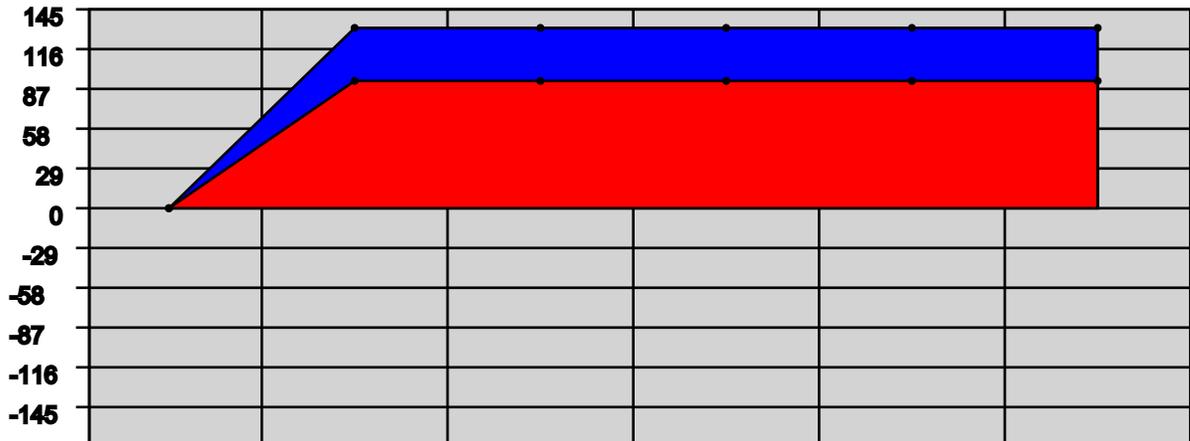
ECONOMIC IMPACT DATA

**Scenario:** Army Prime Power School Belvoir to Leonard Wood  
**Economic Region of Influence(ROI):** Fort Leonard Wood, MO Micropolitan Statistical Area  
**Base:** LEONARD WOOD  
**Action:** Prime Power School - Leonard Wood

Overall Economic Impact of Proposed BRAC-05 Action:

ROI Population (2002):	44,063
ROI Employment (2002):	25,515
Authorized Manpower (2005):	26,953
Authorized Manpower(2005) / ROI Employment(2002):	105.64%
Total Estimated Job Change:	135
Total Estimated Job Change / ROI Employment(2002):	0.53%

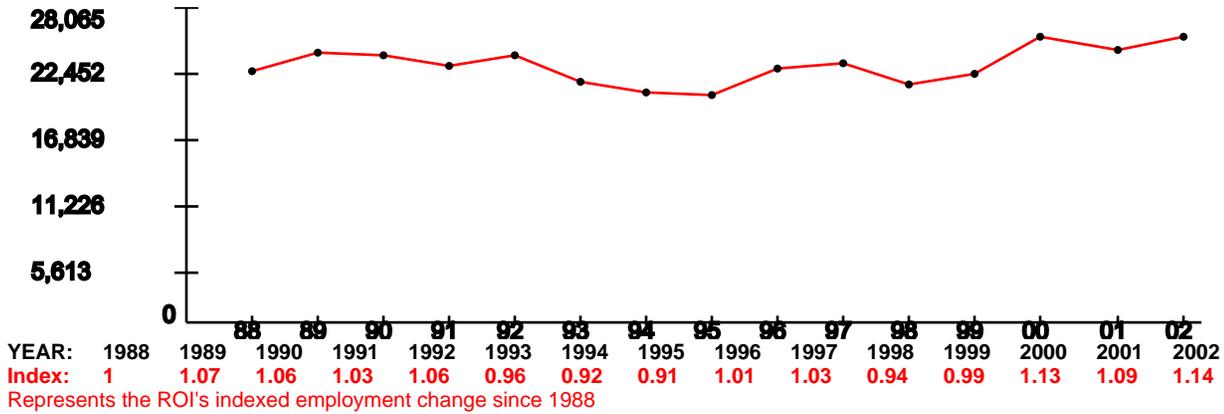
Cumulative Job Change (Gain/Loss) Over Time:



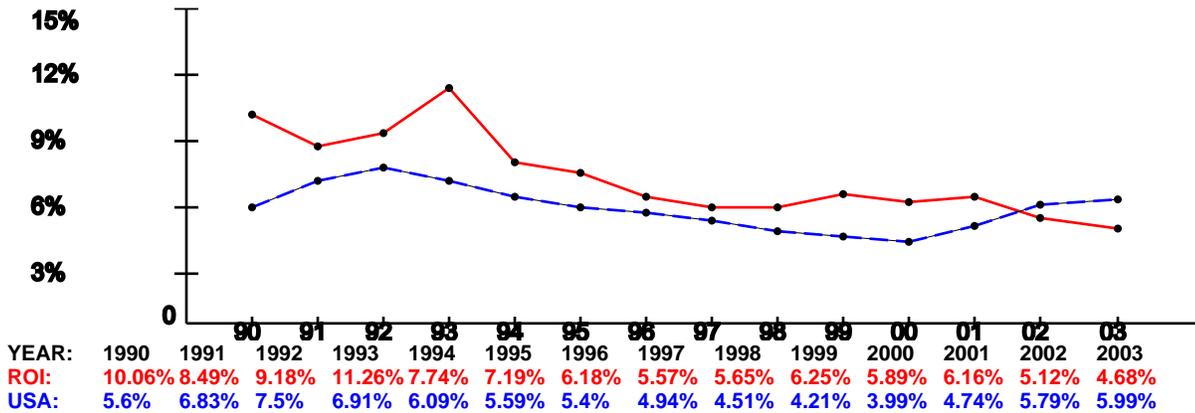
YEAR:	2006	2007	2008	2009	2010	2011
<b>Direct Military:</b>	0	10	0	0	0	0
<b>Direct Civilian:</b>	0	25	0	0	0	0
<b>Direct Student:</b>	0	61	0	0	0	0
<b>Direct Contractor:</b>	0	0	0	0	0	0
<b>Cumulative Direct:</b>	0	96	96	96	96	96
<b>Cum Indir/Induc:</b>	0	39	39	39	39	39
<b>Cumulative Total:</b>	0	135	135	135	135	135

Fort Leonard Wood, MO Micropolitan Statistical Area Trend Data

**Employment Trend (1988-2002)**



**Unemployment Percentage Trend (1990-2003)**



**Per Capita Income x \$1,000 (1988-2002)**

