DCN: 11868

Bomber

Rank	Base	Bomber	Current / Future Mission	Condition of Infrastructure	Contingency, Mobilization, Future Forces	Cost of Ops / Manpower
49	Minot AFB	45.72	31.04	54.97	67.9	73.42
50	Cannon AFB	45.7	53.46	36.06	43.06	73.61
51	Dobbins ARB	44.89	53.32	39.07	24.63	67.58
52	Elmendorf AFB	44.49	32.65	50.14	84.41	8.86
53	Lackland AFB	44.03	41.87	40.27	60.98	78.33
54	McChord AFB	43.63	43.14	44.2	40.23	57.08
55	Martin State APT AGS	43.55	55.68	35.65	16.83	58.71
56	Forbes Field AGS	43.47	46.3	39.62	38.02	77.32
57	Key Field AGS	43.24	56.67	27.07	40.48	75.4
58	Vandenberg AFB	43.19	38.2	44.64	62.81	32.48
59	Phoenix Sky Harbor IAP AGS	41.64	56.6	26.51	28.91	68.42
60	Offutt AFB	41.43	40.26	39.61	46.36	73.2
61	Tulsa IAP AGS	41.3	52.04	31.42	22.9	81.03
62	Ewvra Sheppard AGS	41.26	54.12	29.44	23.11	73.39
63	Birmingham IAP AGS	41.19	53.21	26.47	37.65	77.96
64	Carswell ARS, NAS Fort Worth Joint Reserve	41.01	50.68	31.59	27.68	72.7
65	Andersen AFB	40.98	28.05	52.58	62.55	0
66	Fresno Air Terminal AGS	40.71	56.35	29.95	11.93	46.99
67	Laughlin AFB	40.64	43.85	29.09	62.97	84.09
68	Channel Islands AGS	40.56	46.53	36.99	32.3	23.21
69	Will Rogers World APT AGS	40.43	55.77	21.34	38.01	84.8
70	Keesler AFB	40.31	57.31	22.17	26.19	85.3
71	Harrisburg IAP AGS	39.87	44.67	39.41	12.19	69.5
72	Hickam AFB	39.79	29.71	48.33	60.32	1.12
73	Boise Air Terminal AGS	39.7	46.08	30.03	40.75	78.4
74	Reno-Tahoe IAP AGS	39.43	52.59	28.06	24.11	47.47
75	Grissom ARB	39.39	33.88	39.67	55.24	73.25
76	Atlantic City IAP AGS	39.38	48.73	29.29	37.74	41.33
77	Jackson IAP AGS	39.1	50.85	24.34	34.93	84.66
78	Tucson IAP AGS	38.53	46.72	29.26	30.82	72.7
79	Grand Forks AFB	38.48	30.2	39.12	63.79	79.09
80	Westover ARB	38.4	32.95	36.88	66.96	49.23
81	Vance AFB	38.35	55.09	20.38	23.57	87.75
82	McGee Tyson APT AGS	37.15	47.95	24.42	28.11	86.02
83	New Castle County Airport AGS	36.34	49.8	25.67	15.9	47.53
84	Salt Lake City IAP AGS	36.05	46.05	24.49	29.21	71.72
85	Lincoln MAP AGS	36	41.96	29.69	25.95	71.2
86	Randolph AFB	35.93	41	23.55	53.43	78.51
87	Pittsburgh IAP AGS	35.7	31.56	39.2	31.81	69.3

Bomber

Rank	Base	Bomber	Current / Future Mission	Condition of Infrastructure	Contingency, Mobilization, Future Forces	Cost of Ops / Manpower
88	Fort Smith Regional APT AGS	35.67	44.09	24.25	31.14	88.84
89	NAS New Orleans ARS	35.59	44.81	27.56	17.2	72.63
90	Willow Grove ARS, NAS Willow Grove Joint Reserve	35.58	41.57	34.08	13.27	39.74
91	Nashville IAP AGS	35.06	40.91	25.95	35.03	78.64
92	Memphis IAP AGS	35.01	45.52	21.31	33.43	75.57
93	Arnold AFS	34.53	36.99	22.91	57.62	89.61
94	Rickenbacker IAP AGS	34.52	33.03	37.5	19.92	71.11
95	Selfridge ANGB	33.86	31.6	34.23	40.5	42.51
96	Scott AFB	33.83	40.51	24.91	35.09	53.95
97	Rosecrans Memorial APT AGS	33.71	40.09	22.68	38.2	81.65
98	Ellington Field AGS	33.67	36.97	22.9	56.27	61.2
99	Portland IAP AGS	33.4	42.65	20.87	36.22	60.13
100	Pittsburgh IAP ARS	32.61	31.56	31.58	32.36	69.59
101	Yeager APT AGS	31.91	39.61	21.58	27.03	81.12
102	Bangor IAP AGS	31.45	29.03	28.42	47.2	63.61
103	Klamath Falls IAP AGS	31.24	35.89	25.85	22.71	69.01
104	Moffett Federal Field AGS	31.14	40	26.93	11.68	15.79
105	Sioux Gateway APT AGS	31	34.88	22.65	35.58	79.98
106	Hancock Field AGS	30.97	30.67	24.52	50.23	66.32
107	Capital APT AGS	30.83	36.13	24.12	27.74	57.09
108	Peterson AFB	30.31	39	17.26	36.55	61.91
109	Buckley AFB	30.16	36.49	16.11	53.35	53.78
110	Lambert - St. Louis IAP AGS	29.78	30.67	30.76	14.14	59.7
111	Burlington IAP AGS	29.72	36.12	21.97	25.52	57.07
112	Barnes MPT AGS	29.69	33.02	24.81	30.19	47.17
113	Stewart IAP AGS	29.57	36.84	21.05	37.85	3.65
114	Luis Munoz Marin IAP AGS	29.31	38.4	24.6	10.87	14.06
115	Toledo Express APT AGS	28.79	31.04	20.86	40.29	72.76
116	Hulman Regional APT AGS	28.72	33.66	23.13	15.84	82.24
117	Greater Peoria Regional APT AGS	28.26	34.06	19.13	32.89	54.24
118	Otis AGB	28.25	23.68	25.82	55.91	42.04
119	Pease International Trade Port AGS	27.84	33	19.58	36.8	33.8
120	W. K. Kellogg APT AGS	27.47	27.89	21.72	40.73	62.57
121	Bradley IAP AGS	27.43	32.69	23.2	16.75	43.06

Bomber

Rank	Base	Bomber	Current / Future Mission	Condition of Infrastructure	Contingency, Mobilization, Future Forces	Cost of Ops / Manpower
122	Joe Foss Field AGS	27.41	30.59	18.56	36.91	77.92
123	Schenectady County APT AGS	27.35	35.02	16.72	27.95	60.05
124	Springfield-Beckley MPT AGS	27.16	29.66	21.8	26.8	71.74
125	Gen Mitchell IAP ARS	26.84	30.56	20.23	28.83	59.94
126	Des Moines IAP AGS	26.79	32.12	18.7	23.34	76.75
127	Dane County Regional - Truax Field AGS	26.74	30.39	22.59	18.5	61.55
128	Kulis AGS	26.28	36.53	19.38	12.36	8.01
129	Louisville IAP AGS	25.96	34.56	13.33	25.76	78.1
130	Gen Mitchell IAP AGS	25.93	30.56	17.44	31.48	59.38
131	Hector IAP AGS	25.57	29.32	19.22	22.75	72.6
132	Great Falls IAP AGS	25.48	28.14	17.92	35.35	62.23
133	F. S. Gabreski APT AGS	25.28	31.8	20.01	16.07	29.52
134	Cheyenne APT AGS	25.2	32.14	11.54	39.11	68.7
135	Fort Wayne IAP AGS	25.12	31.09	17.21	16.99	79.17
136	Niagara Falls IAP ARS	25.07	25.77	19.09	39.09	55.66
137	Youngstown-Warren Regional APT ARS	24.84	27.24	17.68	31.21	73.97
138	Quonset State APT AGS	24.32	28.94	16.98	29.47	40.59
139	Duluth IAP AGS	23.75	26.13	16.76	31.03	66.75
140	Hanscom AFB	23.06	30.8	17.34	10.54	25.42
141	Minn/St Paul IAP ARS	22.84	20.07	21.91	33.25	47.69
142	Mansfield Lahm MAP AGS	22.42	27.42	14.02	21.36	74.01
143	Goodfellow AFB	7.74	0	4.9	36.4	82.66
144	Brooks City-Base	7.61	0	4.9	36.4	77.48
145	Malmstrom AFB	7.24	0	4.9	36.4	62.67
146	Francis E. Warren AFB	6.53	0	4.9	27.41	70.53
147	Schriever AFB	6.15	0	4.9	27.31	55.46
148	Rome Laboratory	5.29	0	4.9	16.8	63.1
149	Air Reserve Personnel Center (ARPC)	5.06	0	4.9	16.8	53.84
150	United States Air Force Academy	4.96	0	4.9	13.92	61.68
151	Cheyenne Mountain AFS	4.61	0	4.9	11.89	55.61
152	Bolling AFB	3.96	0	4.9	9.07	40.62
153	Onizuka AFS	3.46	0	4.9	10.08	16.85
154	Los Angeles AFB	2.82	0	4.9	1.94	23.81

Airlift

Rank	Base	Airlift	Current / Future Mission	Condition of Infrastructure	Contingency, Mobilization, Future Forces	Cost of Ops / Manpower
1	Eglin AFB	79.43	72.45	81.55	100	90.39
2	Seymour Johnson AFB	78.03	71.25	83.82	83.34	85.03
3	Charleston AFB	74.09	64.57	83.15	79.91	75.49
4	Barksdale AFB	72.43	52.92	87.48	97.7	80.79
5	Altus AFB	71.3	64.97	73.95	87.04	80.99
6	Pope AFB	69.99	71.21	73.4	46.19	86.08
7	Hurlburt Field	69.61	75.12	67.11	50.15	87.18
8	Tinker AFB	68.62	55.2	80.62	76.23	85.8
9	Shaw AFB	67.7	71.86	59.5	78.12	85.64
10	Eielson AFB	67.34	61.25	73.03	84.43	16.54
11	Dyess AFB	65.95	54.87	76.82	68.94	77.64
12	Holloman AFB	65.78	61.34	70.94	62.43	75.23
13	Edwards AFB	65.53	55.18	75.19	79.33	40.87
14	Fairchild AFB	64.22	52.54	72.85	79.72	73.99
15	Nellis AFB	63.95	59.85	72.31	53.08	43.94
16	Robins AFB	63.89	52.22	71.87	78.5	87.45
17	Little Rock AFB	63.25	49.25	73.05	80.66	88.12
18	Andrews AFB	62.05	54.38	70.4	67.79	41.74
19	Tyndall AFB	61.75	68.65	50.88	67.84	90.98
20	MacDill AFB	60.12	47.48	66.41	88.14	76.56
21	Maxwell AFB	59.9	70.78	55.31	22.48	85.68
22	March ARB	59.86	56.53	71.33	31.15	45.41
23	Mountain Home AFB	59.77	46.58	68.64	81.35	68.58
24	Ellsworth AFB	59.4	42.43	72.78	76.53	81.32
25	McEntire AGS	59.35	71.7	49.85	35.48	85.19
26	Hill AFB	58.83	45.27	66.57	84.33	77.82
27	McChord AFB	57.95	49.64	71.78	38.95	57.08
28	Whiteman AFB	57.82	39.47	71.25	82.33	74.42
29	Columbus AFB	57.51	53.22	58.08	65.55	94.97
30	Peterson AFB	57.2	58.4	59.78	39.75	61.91
31	Langley AFB	56.57	53.37	54.97	72.81	77.2
32	Key Field AGS	56.39	64.14	50.02	42.43	75.4
33	Charlotte/Douglas IAP AGS	56.27	70.45	49.46	12.94	81.48
34	Dover AFB	56.06	48.75	66.73	43.17	64.93
35	Davis-Monthan AFB	55.89	45.11	66	59.49	71.89
36	Grissom ARB	55.66	42.59	68.46	58.32	73.25
37	Kirtland AFB	55.47	49.12	58.01	70.63	69.56
38	Sheppard AFB	55.21	60.81	52.33	35.24	80.04
39	McConnell AFB	54.65	45.85	65.92	43	75.83
40	Beale AFB	54.63	38.4	70.78	65.31	42.78
41	Buckley AFB	54.62	56.16	52.45	56.83	53.78
42	Minot AFB	54.34	39.7	65.42	70.91	73.42
43	Wright-Patterson AFB	54.27	44.62	58.95	74.34	74.09
44	Travis AFB	53.86	41.24	72.89	40.31	24.22
45	Luke AFB	52.17	50.43	55.68	41.35	68.92
46	Westover ARB	52	42.8	58.47	68.13	49.23
47	Forbes Field AGS	51.93	43.85	61.74	42.08	77.32
48	McGuire AFB	51.8	39.42	62.51	67.95	37.26
49	Moody AFB	51.72	52.29	41.64	81.05	91.37
50	Ellington Field AGS	51.65	47.25	53.91	60.12	61.2
51	Elmendorf AFB	51.6	29.97	70.05	85.17	8.86
52	Birmingham IAP AGS	50.93	53.99	48.35	40.7	77.96

Airlift

Rank	Base	Airlift	Current / Future Mission	Condition of Infrastructure	Contingency, Mobilization, Future Forces	Cost of Ops / Manpower
53	Carswell ARS, NAS Fort Worth Joint Reserve	50.57	53.62	50.3	32.08	72.7
54	Grand Forks AFB	50.53	35.28	62.52	63.66	79.09
55	Rickenbacker IAP AGS	50.04	45.27	61.23	20.26	71.11
56	Hickam AFB	49.77	34.58	66.93	60.5	1.12
57	Andersen AFB	49.64	30.79	70.34	62.87	0
58	Dannelly Field AGS	49.46	69.74	31.75	20.6	85.51
59	Randolph AFB	49.2	43.66	51.76	56.76	78.51
60	McGee Tyson APT AGS	48.32	47.96	51.87	25.79	86.02
61	Homestead ARS	48.15	37.64	59.36	48.73	53.65
62	Phoenix Sky Harbor IAP AGS	48.12	53.14	45.21	32.12	68.42
63	Memphis IAP AGS	48.01	50.94	45.72	37.17	75.57
64	Will Rogers World APT AGS	47.79	56.31	37.47	42.22	84.8
65	Lackland AFB	47.44	45.03	44.29	63.85	78.33
66	Boise Air Terminal AGS	47.32	46.89	46.65	44.25	78.4
67	Selfridge ANGB	47.27	44.66	52.56	38.56	42.51
68	Offutt AFB	47.07	43.55	49.1	48.25	73.2
69	Keesler AFB	46.8	64.62	29.62	26.47	85.3
70	Pease International Trade Port AGS	46.65	43.72	52.48	39.09	33.8
71	Dobbins ARB	46.5	51.35	44.38	27.71	67.58
72	Laughlin AFB	46.13	46.75	39.38	61.81	84.09
73	Indian Springs AFS	45.8	60.77	31.08	38.5	43.94
74	Jacksonville IAP AGS	45.79	53.89	38.47	30.75	77.87
75	Stewart IAP AGS	45.53	45.03	49.72	40.99	3.65
76	Cannon AFB	45.43	45.45	43.94	44.4	73.61
77	Savannah IAP AGS	45.1	52.68	38.84	26.3	84.65
78	Pittsburgh IAP AGS	44.85	36.28	55.13	35.53	69.3
79	Louisville IAP AGS	44.66	49.33	41.32	28.67	78.1
80	Scott AFB	44.55	39.62	52.04	33.65	53.95
81	Vandenberg AFB	44.16	40.15	43.97	66.26	32.48
82	Jackson IAP AGS	44.15	47.37	39.33	39.24	84.66
83	Salt Lake City IAP AGS	43.99	45.47	43.47	32.41	71.72
84	Bangor IAP AGS	43.83	43.24	42.24	48.22	63.61
85	Vance AFB	43.45	55.12	32.89	22.51	87.75
86	Tulsa IAP AGS	43.2	49.4	38.74	23.72	81.03
87	Lincoln MAP AGS	43.08	45.83	42.39	26.26	71.2
88	Harrisburg IAP AGS	42.89	47.01	44.21	11.84	69.5
89	Richmond IAP AGS	42.64	53.44	35.69	13.67	75.18
90	Fort Smith Regional APT AGS	42.58	52.08	31.91	31.62	88.84
91	Portland IAP AGS	42.32	46.23	37.58	39.48	60.13
91	Fort Wayne IAP AGS	42.32	48.09	39.65	17.72	79.17
93	Burlington IAP AGS	42.29	51.69	34.88	26	57.07
94	Patrick AFB	42.23	47	32.91	52.75	66.83
95	Gen Mitchell IAP AGS	41.98	40.89	43.76	35.25	59.38
96	Tucson IAP AGS	41.92	45.19	39.16	30.57	72.7

Airlift

Rank	Base	Airlift	Current / Future Mission	Condition of Infrastructure	Contingency, Mobilization, Future Forces	Cost of Ops / Manpower
96	Channel Islands AGS	41.92	44.04	42.05	36.32	23.21
98	NAS New Orleans ARS	41.65	46.93	39.81	17.2	72.63
99	Minn/St Paul IAP ARS	41.52	32.19	52.63	36.8	47.69
100	Toledo Express APT AGS	41.45	44.03	36.46	42.51	72.76
101	Reno-Tahoe IAP AGS	40.51	44.93	39.29	23.44	47.47
102	Youngstown-Warren Regional APT ARS	40.09	40.95	38.26	35.23	73.97
103	Niagara Falls IAP ARS	40.03	35.85	43.28	41.92	55.66
104	Nashville IAP AGS	39.77	48.71	27.61	39.33	78.64
105	Pittsburgh IAP ARS	39.64	36.28	42.44	36.01	69.59
106	Joe Foss Field AGS	39.59	36.23	40.62	41.13	77.92
107	Sioux Gateway APT AGS	39.3	39.33	37.14	38.03	79.98
108	W. K. Kellogg APT AGS	39.22	38.19	37.74	44.28	62.57
109	Otis AGB	38.95	36.97	36.9	55.82	42.04
110	Kulis AGS	38.93	43.14	42.67	11.81	8.01
111	Atlantic City IAP AGS	38.81	45.55	31.54	37.39	41.33
112	Hulman Regional APT AGS	38.63	42.75	36.72	16.55	82.24
113	Dane County Regional - Truax Field AGS	38.59	42.35	37.71	19.21	61.55
114	Rosecrans Memorial APT AGS	38.22	40.01	32.73	41.97	81.65
115	Bradley IAP AGS	37.83	43.58	36.03	17.46	43.06
116	Barnes MPT AGS	37.75	43.93	31.39	33.33	47.17
117	Schenectady County APT AGS	37.72	49.21	25.33	30.66	60.05
118	Cheyenne APT AGS	37.65	46.92	24.3	42.72	68.7
119	Mansfield Lahm MAP AGS	37.28	42.33	33.5	20.6	74.01
120	New Castle County Airport AGS	36.96	48.83	28.33	15.48	47.53
121	Luis Munoz Marin IAP AGS	36.78	42.16	38.47	10.74	14.06
122	Hancock Field AGS	36.2	44.61	21.04	52.9	66.32
123	Willow Grove ARS, NAS Willow Grove Joint Reserve	35.85	43.92	32.22	12.92	39.74
124	Great Falls IAP AGS	35.51	35.71	32.68	39.59	62.23
125	Quonset State APT AGS	35.29	40.77	29.32	33.62	40.59
126	Klamath Falls IAP AGS	35.18	38.18	32.91	22.29	69.01
127	Greater Peoria Regional APT AGS	34.56	35.77	32.28	33.46	54.24
128	Capital APT AGS	34.53	36.96	32.03	28.06	57.09
129	Arnold AFS	34.22	44.49	13.9	57.35	89.61
130	Gen Mitchell IAP ARS	33.77	40.89	24.5	32.87	59.94

Airlift

Rank	Base	Airlift	Current / Future Mission	Condition of Infrastructure	Contingency, Mobilization, Future Forces	Cost of Ops / Manpower
131	Springfield-Beckley MPT AGS	33.54	41.59	23.23	29.78	71.74
131	Des Moines IAP AGS	33.54	35.7	30.8	24.21	76.75
133	Moffett Federal Field AGS	33.14	40.1	31.66	11.59	15.79
134	Ewvra Sheppard AGS	33.11	47.05	17.83	22.37	73.39
135	Fresno Air Terminal AGS	32.77	46.12	21.98	12.56	46.99
136	Lambert - St. Louis IAP AGS	32.04	29.73	37.4	13.46	59.7
137	Yeager APT AGS	31.9	40.64	19.79	29.7	81.12
138	Hector IAP AGS	30.78	38.72	21.49	22.3	72.6
139	Duluth IAP AGS	30.43	35.49	21.71	34.16	66.75
140	Martin State APT AGS	30.37	50.13	10.15	16.26	58.71
141	F. S. Gabreski APT AGS	30.21	41.65	20.77	16.92	29.52
142	Hanscom AFB	29.65	42.58	20.17	10.54	25.42
143	Goodfellow AFB	7.37	0	4	36.4	82.66
144	Brooks City-Base	7.24	0	4	36.4	77.48
145	Malmstrom AFB	6.87	0	4	36.4	62.67
146	Francis E. Warren AFB	6.16	0	4	27.41	70.53
147	Schriever AFB	5.78	0	4	27.31	55.46
148	Rome Laboratory	4.92	0	4	16.8	63.1
149	Air Reserve Personnel Center (ARPC)	4.69	0	4	16.8	53.84
150	United States Air Force Academy	4.59	0	4	13.92	61.68
151	Cheyenne Mountain AFS	4.24	0	4	11.89	55.61
152	Bolling AFB	3.59	0	4	9.07	40.62
153	Onizuka AFS	3.09	0	4	10.08	16.85
154	Los Angeles AFB	2.45	0	4	1.94	23.81

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Net Present Value - NPV

What does it Mean?

An approach used in capital budgeting where the present value of cash inflows is subtracted by the present value of cash outflows. NPV is used to analyze the profitability of an investment or project.

NPV analysis is sensitive to the reliability of future cash inflows that an investment or project will yield.

Value at period t.

Formula:

$$NPV = \sum_{t=1}^{T} \frac{C_t}{(1+r)^t} - C_0$$

Discount rate over the length of calculating period

Investopedia Says...

NPV compares the value of a dollar today versus the value of that same dollar in the future, after taking inflation and return into account.

If the NPV of a prospective project is positive, then it should be accepted. However, if it is negative, then the project probably should be rejected because cash flows are negative.

8/1/05
Art, I'm invading COBRA King Karl here, but I'd do anything for you.
Duke

Related Links

Understanding The Time Value Of Money - Find out why time really is money by learning to calculate present and future value.

Dictionary Sponsored by

Related Terms

Capital Budgeting
Cash Flow
Discounted Cash Flow - DCF
Internal Rate of Return - IRR
MIRR
Payback Period
Present Value - PV
Time Value of Money

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Payback Period

What does it Mean?

The length of time required to recover the cost of an investment.

Calculated as:

$$= \frac{\text{Cost of Project}}{\text{Annual Cash Inflows}}$$

Investopedia Says...

All other things being equal, the better investment is the one with the shorter payback period.

For example, if a project cost $100,000 and was expected to return $20,000 annually, the payback period would be $100,000 ÷ $20,000, or 5 years.

There are two main problems with the payback period method:

1) It ignores any benefits that occur after the payback period, and so does not measure profitability
2) It ignores the time value of money

Because of these two reasons, other methods of capital budgeting like NPV, IRR, or DCF are generally preferred.

Related Terms
Capital Budgeting
Cost of Capital
Discounted Cash Flow (DCF)
Internal Rate of Return (IRR)
Net Present Value (NPV)

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DCN: 11868

Recommendations by Service - DoD Baseline vs. No Milpers

31 Major Recommendations that account for 90% of overall savings

Sum of Actions	($43,997.74)	($21,045.26)	($22,952.48)	52%

AF

Item	Page:	NPV Rank:	20yr NPV (DoD Baseline)	20Yr NPV (No Milpers)	Delta	%
79	Air Force-6	3	($2,780.60)	($393.03)	($2,387.57)	86%
100	Air Force-32	4	($2,706.80)	($216.54)	($2,490.26)	92%
103	Air Force-35	5	($2,598.10)	($55.13)	($2,542.97)	98%
104	Air Force-37	7	($1,982.00)	($108.32)	($1,873.68)	95%
109	Air Force-43	10	($1,853.30)	$19.35	($1,872.65)	101%
	Total for Service:	***AF***	**($11,920.80)**	**($753.67)**	**($11,167.13)**	**94%**

Army

Item	Page:	NPV Rank:	20yr NPV (DoD Baseline)	20Yr NPV (No Milpers)	Delta	%
3	Army-8	20	($895.20)	($532.91)	($362.29)	40%
5	Army-11	15	($1,025.80)	($789.70)	($236.10)	23%
7	Army-16	30	($539.00)	($529.45)	($9.55)	2%
8	Army-19	26	($686.60)	($334.81)	($351.79)	51%
9	Army-20	16	($948.10)	$868.54	($1,816.64)	192%
	Total for Service:	***Army***	**($4,094.70)**	**($1,318.33)**	**($2,776.37)**	**68%**

E&T

Item	Page:	NPV Rank:	20yr NPV (DoD Baseline)	20Yr NPV (No Milpers)	Delta	%
121	E&T-6	18	($934.20)	$376.73	($1,310.93)	140%
	Total for Service:	***E&T***	**($934.20)**	**$376.73**	**($1,310.93)**	**140%**

H&SA

Item	Page:	NPV Rank:	20yr NPV (DoD Baseline)	20Yr NPV (No Milpers)	Delta	%
142	H&SA-31	13	($1,278.20)	($925.60)	($352.60)	28%
143	H&SA-33	8	($1,913.40)	($877.23)	($1,036.17)	54%
145	H&SA-37	12	($1,313.80)	($1,306.79)	($7.01)	1%
146	H&SA-41	6	($2,342.50)	($1,774.51)	($567.99)	24%
	Total for Service:	***H&SA***	**($6,847.90)**	**($4,884.13)**	**($1,963.77)**	**29%**

Industrial

Item	Page:	NPV Rank:	20yr NPV (DoD Baseline)	20Yr NPV (No Milpers)	Delta	%
158	Ind-12	23	($716.37)	($707.72)	($8.65)	1%
160	Ind-14	27	($347.88)	($346.39)	($1.49)	0%
165	Ind-19	1	($4,724.20)	($4,154.53)	($569.67)	12%
	Total for Service:	***Industrial***	**($5,788.45)**	**($5,208.64)**	**($579.82)**	**10%**

Intel

Item	Page:	NPV Rank:	20yr NPV (DoD Baseline)	20Yr NPV (No Milpers)	Delta	%
168	Int-4	31	($535.10)	($535.10)	$0.00	0%
	Total for Service:	***Intel***	**($535.10)**	**($535.10)**	**$0.00**	**0%**

Medical

Item	Page:	NPV Rank:	20yr NPV (DoD Baseline)	20Yr NPV (No Milpers)	Delta	%
170	Med-6	17	($940.70)	($235.02)	($705.68)	75%
173	Med-12	22	($818.10)	($21.30)	($796.80)	97%
	Total for Service:	***Medical***	**($1,758.80)**	**($256.32)**	**($1,502.48)**	**85%**

Navy

Item	Page:	NPV Rank:	20yr NPV (DoD Baseline)	20Yr NPV (No Milpers)	Delta	%
60	DoN-10	11	($1,514.43)	($687.24)	($827.19)	55%
62	DoN-13	19	($910.90)	($182.10)	($728.80)	80%
67	DoN-20	28	($665.70)	($87.09)	($578.61)	87%
68	DoN-21	25	($710.50)	($433.98)	($276.52)	39%
69	DoN-23	14	($1,262.40)	($1,005.61)	($256.79)	20%
71	DoN-26	21	($822.23)	$23.16	($845.39)	103%

DCN: 11868

	Total for Service:	***Navy***	**($5,886.16)**	**($2,372.86)**	**($3,513.30)**	**60%**

S&S

Item	*Page:*	*NPV_Rank:*	*20yr NPV (DoD Baseline)*	*20Yr NPV (No Milpers)*	*Delta*	*%*
175	S&S-5	24	($735.30)	($735.85)	$0.55	0%
176	S&S-7	9	($1,889.60)	($1,877.58)	($12.02)	1%
177	S&S-13	2	($2,925.80)	($2,906.81)	($18.99)	1%
	Total for Service:	***S&S***	**($5,550.70)**	**($5,520.24)**	**($30.46)**	**1%**

Technical

Item	*Page:*	*NPV_Rank:*	*20yr NPV (DoD Baseline)*	*20Yr NPV (No Milpers)*	*Delta*	*%*
178	Tech-5	29	($680.93)	($572.70)	($108.23)	16%
	Total for Service:	***Technical***	**($680.93)**	**($572.70)**	**($108.23)**	**16%**

COBRA Run Log

Run ID	Scenario	Page	Analysis Team	One Time Costs ($M)	Payback (Years)	6 Year Net ($M)	Cash Flow 2006 ($M)	Cash Flow 2007 ($M)	Cash Flow 2008 ($M)	Cash Flow 2009 ($M)	Cash Flow 2010 ($M)	Cash Flow 2011 ($M)	Beyond Cash Flows (2012-2025) ($M)	20-Year Net Present Value
1	Fort Wainwright, AK	Army-5	Army	$ 0.05	2	(0.194)	0.051	(0.049)	(0.049)	(0.049)	(0.049)	(0.049)	(0.049)	$ (0.70)
2	Fort Gillem, GA	Army-6	Army	$ 56.75	1	(62.935)	0.323	10.479	10.350	(28.029)	(28.029)	(28.029)	(28.864)	$ (338.21)
3	Fort McPherson, GA	Army-8	Army	$ 197.24	3	(13.474)	32.790	91.668	23.627	(54.954)	(53.303)	(53.303)	(54.126)	$ (532.91)
4	Fort Bragg, NC	Army-10	Army	$ 334.84	Never	446.123	52.820	43.994	116.294	19.208	54.103	159.704	23.776	$ 639.25
5	Fort Monmouth, NJ	Army-11	Army	$ 821.76	7	444.945	53.889	32.220	487.392	115.468	(122.012)	(122.012)	(124.101)	$ (789.70)
6	Fort Hood, TX	Army-15	Army	$ 435.72	Never	585.563	21.238	15.401	382.194	71.379	47.675	47.675	47.675	$ 1,009.32
7	Red River Army Depot	Army-16	Army	$ 456.17	4	219.053	10.264	127.673	187.272	6.120	(41.903)	(70.373)	(75.721)	$ (529.45)
8	Fort Monroe, VA	Army-19	Army	$ 72.64	2	(47.446)	11.037	34.145	(3.255)	(29.791)	(29.791)	(29.791)	(30.135)	$ (334.81)
9	Manuever Training	Army-20	Army	$ 775.53	Never	831.948	182.011	447.764	161.931	25.543	7.349	7.349	7.349	$ 868.54
10	Operational Army (IGPBS)	Army-22	Army	$ 3,945.78	Never	5,242.293	1,885.273	1,160.729	1,211.962	572.033	314.698	297.598	297.598	$ 7,887.59
11	RC Transformation, AL	Army-25	Army	$ 108.24	100	107.740	7.768	101.069	(0.210)	(0.296)	(0.296)	(0.296)	(0.521)	$ 98.53
12	RC Transformation, AZ	Army-28	Army	$ 31.11	5	5.318	1.972	26.742	(5.825)	(5.857)	(5.857)	(5.857)	(5.933)	$ (51.73)
13	RC Transformation, AR	Army-30	Army	$ 118.67	100	116.529	7.900	111.286	(0.573)	(0.695)	(0.695)	(0.695)	(1.047)	$ 101.89
14	RC Transformation, CA	Army-33	Army	$ 78.27	93	70.230	4.698	73.774	(2.055)	(2.129)	(2.129)	(2.129)	(2.423)	$ 44.22
15	RC Transformation, CT	Amry-35	Army	$ 128.31	100	121.462	9.010	120.459	(1.674)	(2.044)	(2.044)	(2.044)	(2.265)	$ 95.01
16	Rc Transformation, DE	Army-37	Army	$ 13.52	100	12.741	3.135	10.323	(0.189)	(0.182)	(0.182)	(0.182)	(0.231)	$ 10.09
17	RC Transformation, GA	Army-39	Army	$ 21.15	0	22.554	1.445	20.056	0.389	0.221	0.221	0.221	0.211	$ 23.69
18	RC Transformation, HI	Army-40	Army	$ 56.13	Never	60.911	3.898	53.312	0.932	0.923	0.923	0.923	0.872	$ 66.89
19	RC Transformation, IL	Army-42	Army	$ 42.42	100	40.019	2.653	39.773	(0.567)	(0.613)	(0.613)	(0.613)	(0.815)	$ 30.60
20	RC Transformation, IN	Army-44	Army	$ 47.44	Never	48.938	3.587	44.662	0.225	0.154	0.154	0.154	0.069	$ 47.69
21	RC Transformation, IA	Army-46	Army	$ 67.93	100	66.010	4.533	64.055	(0.606)	(0.658)	(0.658)	(0.658)	(0.839)	$ 55.36
22	RC Transformation, KY	Army-48	Army	$ 25.10	100	24.498	1.670	23.792	(0.231)	(0.245)	(0.245)	(0.245)	(0.291)	$ 20.75
23	RC Transformation, LA	Army-50	Army	$ 29.99	Never	31.467	2.328	28.071	0.279	0.263	0.263	0.263	0.213	$ 32.28
24	RC Transformation, MD (AFRC Frederick, MD)	Army-52	Army	$ 6.21	100	5.964	0.426	5.783	(0.059)	(0.062)	(0.062)	(0.062)	(0.070)	$ 5.06
25	RC Transformation, MA	Army-54	Army	$ 85.50	100	79.729	4.521	81.150	(1.449)	(1.498)	(1.498)	(1.498)	(1.692)	$ 60.40
26	RC Transformation, MI	Army-55	Army	$ 7.78	100	7.900	0.494	7.361	0.015	0.010	0.010	0.010	(0.010)	$ 7.50
27	RC Transformation, MN	Army-57	Army	$ 17.34	Never	17.768	1.125	16.460	0.053	0.043	0.043	0.043	0.006	$ 17.12
28	RC Transformation, MO	Army-58	Army	$ 28.28	100	26.550	2.011	6.822	18.927	(0.382)	(0.414)	(0.414)	(0.628)	$ 18.94
29	RC Transformation, MT	Army-60	Army	$ 25.93	100	25.066	1.620	24.418	(0.227)	(0.248)	(0.248)	(0.248)	(0.333)	$ 20.86
30	RC Transformation, NE	Army-62	Army	$ 32.76	100	32.422	2.680	29.085	1.111	(0.152)	(0.152)	(0.152)	(0.269)	$ 28.53
31	RC Transformation, NH	Army-65	Army	$ 54.06	Never	55.798	4.981	49.949	0.267	0.200	0.200	0.200	0.136	$ 54.95
32	RC Transformation, NJ	Army-66	Army	$ 14.95	100	14.644	2.618	12.420	(0.091)	(0.101)	(0.101)	(0.101)	(0.141)	$ 12.76
33	RC Transformation, NM	Army-68	Army	$ 17.78	100	17.838	1.167	16.740	(0.006)	(0.021)	(0.021)	(0.021)	(0.062)	$ 16.54
34	RC Transformation, NY	Army-69	Army	$ 103.64	100	97.428	6.183	97.327	(1.447)	(1.545)	(1.545)	(1.545)	(1.995)	$ 74.40
35	RC Transformation, NC	Army-72	Army	$ 9.06	Never	10.386	1.064	8.394	0.236	0.231	0.231	0.231	0.206	$ 11.96
36	RC Transformation, ND	Army-73	Army	$ 7.90	Never	8.109	0.594	7.365	0.041	0.036	0.036	0.036	0.018	$ 8.00
37	RC Transformation, OH	Army-75	Army	$ 134.30	100	136.762	8.909	126.672	0.372	0.270	0.270	0.270	(0.013)	$ 131.25
38	RC Transformation, OK	Army-77	Army	$ 167.81	100	160.419	10.648	154.551	1.138	(1.973)	(1.973)	(1.973)	(2.589)	$ 129.15
39	RC Transformation, OR	Army-80	Army	$ 24.10	100	23.493	1.532	22.827	(0.179)	(0.229)	(0.229)	(0.229)	(0.290)	$ 19.80
40	RC Transformation, PA	Army-82	Army	$ 141.91	100	135.173	15.001	109.025	16.098	(1.646)	(1.653)	(1.653)	(2.055)	$ 109.83
41	RC Transformation, PR	Army-85	Army	$ 86.41	Never	93.790	8.228	79.634	1.565	1.454	1.454	1.454	1.343	$ 103.05
42	RC Transformation, RI	Army-87	Army	$ 32.09	100	32.400	2.115	30.360	(0.007)	(0.002)	(0.022)	(0.022)	(0.072)	$ 30.44
43	RC Transformation, TN	Army-89	Army	$ 36.80	100	36.848	2.718	34.331	0.092	(0.097)	(0.097)	(0.097)	(0.187)	$ 33.61
44	RC Transformation, TX	Army-91	Army	$ 373.75	100	369.540	27.721	347.790	(0.560)	(1.804)	(1.804)	(1.804)	(2.531)	$ 330.82
45	RC Transformation, VT	Army-95	Army	$ 61.40	100	57.171	4.122	58.228	(1.276)	(1.301)	(1.301)	(1.301)	(1.385)	$ 41.66
46	RC Transformation, WA	Amry-97	Army	$ 60.80	100	61.334	11.517	49.777	0.041	0.000	0.000	0.000	(0.150)	$ 57.67
47	RC Transformation, WV	Army-99	Army	$ 29.08	100	29.407	1.828	27.512	0.035	0.011	0.011	0.011	(0.070)	$ 27.57
48	RC Transformation, WI	Army-102	Army	$ 10.13	100	9.836	0.624	9.556	(0.079)	(0.088)	(0.088)	(0.088)	(0.121)	$ 8.29
49	RC Transformation, WY	Amry-103	Army	$ 72.15	100	70.644	5.106	67.827	(0.570)	(0.538)	(0.590)	(0.590)	(0.654)	$ 61.62
50	Single Drill Sergeant	Army-105	Army	$ 1.92	Never	3.005	0.477	0.814	0.734	0.327	0.327	0.327	0.327	$ 6.02
51	U.S. Army Garrison, MI	Army-106	Army	$ 9.47	Immediate	(85.652)	(2.415)	(16.647)	(16.647)	(16.647)	(16.647)	(16.647)	(17.010)	$ (245.35)
52	USAR Command and Control New England	Army-107	Army	$ 95.69	Never	104.440	6.498	88.525	0.991	2.808	2.808	2.808	2.725	$ 126.52
53	USAR Command and Control Northeast	Army-109	Army	$ 169.79	40	144.633	10.031	148.898	5.344	(6.547)	(6.547)	(6.547)	(7.199)	$ 69.56
54	USAR Command and Control Northwest	Army-112	Army	$ 80.40	Never	87.209	4.304	68.829	8.668	1.803	1.803	1.803	1.443	$ 97.35
55	USAR Command and Control Southeast	Army-115	Army	$ 29.72	Never	47.709	1.952	25.150	5.842	4.921	4.921	4.921	4.888	$ 92.64
56	USAR Command and Control Southwest	Army-117	Army	$ 55.28	Never	96.928	3.295	47.050	12.950	11.211	11.211	11.211	96.928	$ 199.78
57	Marine Corps Logistics Base, Barstow, CA	DoN-6	Navy	$ 26.16	3	0.364	7.845	13.133	(3.539)	(4.776)	(6.150)	(6.150)	(6.150)	$ (58.52)
58	Naval Support Activity Corona, CA	DoN-7	Navy	$ 80.18	16	65.648	2.228	(0.788)	(0.861)	34.409	36.372	(5.711)	(5.901)	$ 1.04
59	Naval Weapons Station Seal Beach Detachment,Concord, CA	DoN-9	Navy	$ 13.95	1	(43.244)	1.350	(3.770)	(6.002)	(9.233)	(9.307)	(16.282)	(16.390)	$ (199.70)
60	Submarine Base New London, CT	DoN-10	Navy	$ 680.12	5	465.035	33.309	105.764	39.609	90.092	186.157	10.103	(113.175)	$ (687.24)
61	Officer Training Command, Pensacola, FL	DoN-12	Navy	$ 3.60	Never	5.059	3.833	0.233	0.252	0.249	0.247	0.245	0.245	$ 3.64
62	Naval Air Station Atlanta, GA	DoN-13	Navy	$ 43.61	2	(33.750)	20.683	4.419	(6.627)	(16.539)	(17.842)	(17.842)	(15.700)	$ (182.10)
63	Navy Supply Corps School Athens, GA	DoN-14	Navy	$ 23.64	38	19.809	1.213	(0.190)	13.927	6.694	(0.917)	(0.917)	(0.957)	$ 9.08
64	Naval Support Activity New Orleans, LA	DoN-15	Navy	$ 164.70	9	124.000	44.353	(1.098)	(2.550)	90.452	6.783	(13.939)	(17.881)	$ (59.47)
65	Naval Air Station Brunswick, ME	DoN-18	Navy	$ 147.30	100	138.210	7.104	2.921	48.228	51.009	24.444	4.504	(2.159)	$ 105.34
66	Marine Corps Support Activity Kansas City, MO	DoN-19	Navy	$ 23.28	5	11.584	0.677	(0.734)	(0.764)	14.557	2.496	(4.648)	(4.342)	$ (32.04)
67	Naval Station Pascagoula, MS	DoN-20	Navy	$ 18.42	3	(15.315)	14.422	(0.093)	(7.217)	(7.417)	(7.417)	(7.417)	(7.589)	$ (87.09)
68	Naval Air Station Joint Reserve Base Willow Grove, PA, and Cambria Regional Airport, Johnston, PA	DoN-21	Navy	$ 126.50	4	(44.795)	69.822	4.208	(25.703)	(11.747)	(40.687)	(40.687)	(40.795)	$ (433.98)
69	Naval Shipyard Portsmouth, Kittery, ME	DoN-23	Navy	$ 448.36	4	48.267	33.798	63.495	268.171	(102.615)	(107.291)	(107.291)	(108.768)	$ (1,005.61)
70	Naval Station Newport, RI	DoN-25	Navy	$ 11.80	13	8.325	0.929	1.016	6.994	1.412	(1.010)	(1.015)	(1.015)	$ (2.10)

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COBRA Run Log

Run ID	Scenario	Page	Analysis Team	One Time Costs ($M)	Payback (Years)	6 Year Net ($M)	Cash Flow 2006 ($M)	Cash Flow 2007 ($M)	Cash Flow 2008 ($M)	Cash Flow 2009 ($M)	Cash Flow 2010 ($M)	Cash Flow 2011 ($M)	Beyond Cash Flows (2012-2025) ($M)	20-Year Net Present Value
120	Aviation Logistics School	E&T-5	JCSG	$ 492.65	Never	540.604	56.579	385.652	60.479	12.971	12.461	12.461	12.461	$ 638.33
121	Combat Service Support Center	E&T-6	JCSG	$ 750.92	55	673.257	88.855	390.642	252.558	-3.900	-27.449	-27.449	-27.449	$ 376.73
122	Joint Center for Consolidated Transportation Management Training	E&T-7	JCSG	$ 1.61	2	-3.797	0.623	-0.615	-0.951	-0.951	-0.951	-0.951	-0.951	$ (12.74)
123	Joint Center of Excellence for Culinary Training	E&T-8	JCSG	$ 5.36	5	0.535	4.449	-0.685	-0.716	-0.837	-0.837	-0.837	-0.837	$ (7.39)
124	Joint Center of Excellence for Religious Training and Education	E&T-9	JCSG	$ 1.04	1	-1.952	0.465	-0.483	-0.483	-0.483	-0.483	-0.483	-0.483	$ (6.49)
125	Joint Strike Fighter Initial Joint Training Site	E&T-10	JCSG	$ 199.10	Never	209.595	15.370	48.602	34.734	59.246	48.072	3.570	3.325	$ 226.30
126	Net Fires Center	E&T-12	JCSG	$ 246.36	Never	270.981	43.904	188.863	21.870	5.448	5.448	5.448	5.448	$ 312.95
127	Prime Power to Fort Leonard Wood, Mo	E&T-13	JCSG	$ 6.02	77	5.237	3.881	2.138	-0.195	-0.195	-0.195	-0.195	-0.195	$ 3.26
128	Undergraduate Pilot and Navigator Training	E&T-14	JCSG	$ 71.55	100	63.242	5.700	49.874	10.897	-1.360	-1.076	-0.792	-0.797	$ 52.93
129	Co-locate Miscellaneous Air Force Leased Locations and National Guard Headquarters Leased Locations	H&SA-3	JCSG	$ 90.14	1	-17.985	6.720	6.313	45.325	0.363	-41.552	-35.154	-35.154	$ (357.43)
130	Co-locate Defense Military Department Adjudication Activities	H&SA-5	JCSG	$ 66.45	16	49.245	3.218	0.288	42.432	12.760	-4.727	-4.727	-4.727	$ (103.00)
131	Co-locate Military Department Investigation Agencies with DoD Counterintelligence and Security Agency	H&SA-8	JCSG	$ 171.78	8	94.506	12.423	4.799	127.338	-4.199	-22.927	-22.927	-22.927	$ (134.13)
132	Co-locate Miscellaneous Army Leased Locations	H&SA-10	JCSG	$ 44.10	1	-59.493	21.323	23.318	3.029	-51.682	-27.750	-27.750	-27.750	$ (322.00)
133	Co-locate Miscellaneous OSD, Defense Agency, and Field Activity Leased Locations	H&SA-12	JCSG	$ 539.00	9	376.851	33.724	101.839	357.096	47.762	-89.398	-74.172	-63.276	$ (257.60)
134	Co-locate Missile and Space Defense Agencies	H&SA-15	JCSG	$ 178.20	1	-12.981	10.285	0.000	113.806	-4.046	-96.727	-36.098	-36.098	$ (359.10)
135	Co-locate Navy Education and Training Command and Navy Education and Training Professional Development & Technology Center	H&SA-17	JCSG	$ 33.10	20	27.418	1.844	0.449	16.869	12.615	-2.179	-2.179	-2.179	$ 4.21
136	Consolidate Army Test and Evaluation Command Headquarters	H&SA-18	JCSG	$ 6.98	1	-35.685	4.260	-10.779	-7.523	-7.214	-7.214	-7.214	-7.214	$ (103.26)
137	Consolidate Civilian Personnel Offices within each Military Department and the Defense Agencies	H&SA-19	JCSG	$ 97.52	4	46.602	8.080	0.848	0.806	38.934	22.169	-24.236	-24.236	$ (194.79)
138	Consolidate Correctional Facilities into Joint Regional Correctional Facilities	H&SA-22	JCSG	$ 169.42	Never	199.498	14.870	1.481	129.959	26.458	17.862	8.868	8.867	$ 272.03
139	Consolidate Defense Commisary Agency Eastern, Midwestern Regional, and Hopewell Offices	H&SA-26	JCSG	$ 31.68	5	13.121	1.640	0.000	18.523	5.794	-6.418	-6.418	-6.418	$ (50.16)
140	Consolidate Defense Information Systems Agency and Establish Joint C4ISR Capability	H&SA-27	JCSG	$ 219.65	3	104.747	14.267	-11.049	-11.142	37.454	143.145	-67.928	-54.474	$ (440.78)
141	Consolidate Media Organizations into a New Agency for Media and Publications	H&SA-30	JCSG	$ 41.83	5	10.773	2.653	26.746	3.241	-7.289	-7.289	-7.289	-7.289	$ (59.72)
142	Consolidate Transportation Command Components	H&SA-31	JCSG	$ 99.68	1	-230.419	16.621	-2.923	-26.585	-70.695	-73.418	-73.418	-73.418	$ (925.60)
143	Consolidate/Co-locate Active and Reserve Personnel & Recruiting Centers for Army and Air Force	H&SA-33	JCSG	$ 131.63	1	-173.308	2.868	21.107	1.967	-73.167	-62.182	-63.902	-73.786	$ (877.23)
144	Create Joint Mobilization Sites	H&SA-35	JCSG	$ 0.09	1	-28.228	-26.538	-0.172	-0.255	-0.338	-0.421	-0.504	-0.515	$ (32.75)
145	Defense Finance and Accounting Service	H&SA-37	JCSG	$ 281.89	1	-156.777	59.354	42.965	-4.557	-30.794	-104.751	-118.994	-119.903	$ (1,306.79)
146	Joint Basing	H&SA-41	JCSG	$ 81.73	1	-432.104	3.392	0.892	-39.775	-113.643	-141.484	-141.484	-141.484	$ (1,774.51)
147	Relocate Air Force Real Property Agency (AFRPA)	H&SA-44	JCSG	$ 4.50	5	0.924	0.297	1.474	1.875	-0.907	-0.907	-0.907	-0.907	$ (7.90)
148	Relocate Army Headquarters and Field Operating Agencies	H&SA-46	JCSG	$ 199.84	10	115.972	43.035	79.852	69.684	-31.039	-22.780	-22.780	-22.780	$ (107.88)
149	Relocate Miscellaneous Department of Navy Leased Locations	H&SA-49	JCSG	$ 61.90	1	12.791	4.022	0.455	16.328	22.153	-15.378	-14.788	-18.041	$ (164.00)
150	Naval Weapons Station Seal beach, CA	Ind-4	JCSG	$ 4.10	1	-2.260	1.147	2.487	-1.335	-1.323	-1.619	-1.619	-1.619	$ (17.70)
151	Riverbank Army Ammunition Plant, CA	Ind-5	JCSG	$ 25.20	3	10.441	0.120	23.245	0.067	-4.003	-4.535	-4.453	-6.542	$ (53.30)
152	Sierra Army Depot, CA	Ind-6	JCSG	$ 33.40	7	7.212	-1.131	-2.378	10.702	4.167	3.219	-7.368	-7.484	$ (66.70)
153	Rock Island Arsenal, IL	Ind-7	JCSG	$ 27.00	9	16.202	1.457	25.325	-2.164	-2.301	-3.057	-3.057	-3.057	$ (13.80)
154	Newport Chemical Depot, IN	Ind-8	JCSG	$ 7.48	1	-47.491	-1.899	-2.078	-2.212	-8.325	-16.488	-16.488	-16.858	$ (208.08)
155	Kansas Army Ammunition Plant, KS	Ind-9	JCSG	$ 25.20	2	-2.140	0.264	18.148	0.149	-2.330	-9.185	-9.185	-10.279	$ (101.40)
156	Lima Tank Plant, OH	Ind-10	JCSG	$ 0.20	1	-5.851	-0.255	-0.543	-0.831	-1.119	-1.407	-1.695	-1.727	$ (22.30)
157	Mississippi Army Ammunition Plant, MS	Ind-11	JCSG	$ 32.40	7	10.749	0.000	28.062	-4.353	-4.253	-4.353	-4.353	-5.087	$ (38.60)
158	Hawthorne Army Depot, NV	Ind-12	JCSG	$ 180.42	1	-55.497	-28.913	-28.913	13.793	14.193	12.421	-38.079	-66.627	$ (707.72)
159	Watervliet Arsenal, NY	Ind-13	JCSG	$ 63.70	18	46.812	7.972	24.577	27.983	-4.012	-4.607	-5.101	-5.168	$ (5.20)
160	Umatilla Chemical Depot, OR	Ind-14	JCSG	$ 15.71	1	-82.638	-12.672	-12.672	-12.672	-12.672	-12.672	-19.277	-49.285	$ (560.81)
161	Lackland Air Force Base, TX	Ind-15	JCSG	$ 10.20	3	0.066	1.816	8.590	-2.229	-2.256	-2.927	-2.927	-2.927	$ (28.00)
162	Lone Star Army Ammunition Plant	Ind-16	JCSG	$ 28.96	1	5.070	0.583	17.871	4.802	-0.938	-4.291	-12.957	-17.034	$ (161.15)
163	Desert Chemical Depot, UT	Ind-17	JCSG	$ 4.76	1	-38.754	-5.002	-5.002	-5.002	-5.002	-6.117	-12.629	-13.354	$ (166.57)
164	Ship Intermediate Maintenance Activity Norfolk, VA	Ind-18	JCSG	$ 10.27	3	-4.735	8.200	0.249	-3.296	-3.296	-3.296	-3.296	-3.296	$ (35.91)
165	Fleet Readiness Centers **(Roll up)	Ind-19	JCSG	$ 297.95	1	-1350.628	12.745	-13.112	-226.126	-442.229	-382.353	-299.55	-299.551	$ (4,154.53)
166	Naval Shipyard Detachments	Ind-26	JCSG	$ 12.50	4	0.946	5.340	1.362	1.022	-2.259	-2.259	-2.259	-2.259	$ (20.70)
167	Defense intelligence Agency	Int-3	JCSG	$ 96.70	8	48.776	4.753	0.429	43.482	20.129	-9.925	-10.092	-10.092	$ (52.80)
168	National Geospatial Intelligence Agency	Int-4	JCSG	$ 1,117.30	8	796.700								$ (535.10)

COBRA Run Log

Run ID	Scenario	Page	Analysis Team	One Time Costs ($M)	Payback (Years)	6 Year Net ($M)	Cash Flow 2006 ($M)	Cash Flow 2007 ($M)	Cash Flow 2008 ($M)	Cash Flow 2009 ($M)	Cash Flow 2010 ($M)	Cash Flow 2011 ($M)	Beyond Cash Flows (2012-2025) ($M)	20-Year Net Present Value
169	Walter Reed National Military Medical Center, Bethesda, MD	Med-4	JCSG	$ 988.94	16	771.759	4.328	220.862	257.990	239.531	123.383	-74.336	-68.443	$ 46.18
170	Brooks City Base, TX	Med-6	JCSG	$ 320.32	7	206.243	22.452	241.333	11.068	19.184	-42.991	-44.804	-44.724	$ (235.02)
171	McChord Air Force Base, WA	Med-9	JCSG	$ 0.91	1	-40.005	0.156	-7.072	-8.272	-8.272	-8.272	-8.272	-8.272	$ (117.66)
172	San Antonio Regional Medical Center, TX	Med-10	JCSG	$ 1,040.92	22	956.078	80.923	400.403	391.758	77.445	72.752	-67.203	-67.203	$ 245.28
173	Convert Inpatient Services to Clinics	Med-12	JCSG	$ 12.81	6	4.711	0.659	3.178	-0.271	-2.618	6.382	-2.618	-2.618	$ (21.30)
174	Joint Centers of Excellence for Chemical, Biologist, and Medical Research and Development and Acquisitions	Med-15	JCSG	$ 73.91	7	45.930	3.958	11.813	41.172	9.543	-11.541	-9.016	-9.185	$ (45.98)
175	Commodity Management Privatization	S&S- 5	JCSG	$ 6.38	1	-333.747	-0.161	-64.586	-80.492	-101.074	-43.665	-43.769	-43.777	$ (735.85)
176	Depot level Reparable Procurement Management Consolidation	S&S-7	JCSG	$ 127.05	1	-366.536	5.044	46.445	-21.376	-108.958	-132.282	-155.408	-158.357	$ (1,877.58)
177	Supply, Storage, and Distribution Management Reconfiguration	S&S-13	JCSG	$ 192.75	1	-1039.957	17.399	14.78	-20.701	-332.531	-516.941	-201.962	-201.962	$ (2,906.81)
178	Co-locate Extramural Research Program Managers	Tech-5	JCSG	$ 153.50	2	-107.115	10.291	136.593	-67.048	-62.435	-62.300	-62.216	-49.416	$ (572.70)
179	Consolidate Air and Space C4ISR Research, Development, Acquisition, Test & Evaluation	Tech-6	JCSG	$ 254.40	100	251.461	73.954	97.115	70.298	-1.793	13.679	-1.793	-1.793	$ 223.00
180	Consolidate Ground Vehicle Development & Acquisition in a Joint Center	Tech-7	JCSG	$ 3.80	2	1.910	0.051	0.038	2.538	1.561	-0.332	-1.947	-1.928	$ (17.06)
181	Consolidate Maritime C4ISR Research, Development & Acquisition, Test & Evaluation	Tech-9	JCSG	$ 106.03	1	-85.871	56.391	-4.256	-23.322	-38.224	-38.234	-38.224	-38.224	$ (447.59)
182	Consolidate Navy Strategic Test and Evaluation	Tech-12	JCSG	$ 86.47	10	78.361	5.263	20.287	12.706	0.116	35.459	4.530	-10.066	$ (27.21)
183	Consolidate Sea Vehicle Development & Acquisition	Tech-13	JCSG	$ 1.50	7	0.138	1.250	-0.222	-0.222	-0.222	-0.222	-0.222	-0.222	$ (2.00)
184	Create a Naval Integrated Weapons & Armaments Research, Development & Acqusition, Test and Evaluation Center	Tech-15	JCSG	$ 358.05	7	160.038	19.426	196.216	113.647	-56.417	-56.417	-56.417	-56.417	$ (391.08)
185	Create an Air Integrated Weapons & Armaments Research, Development & Acquisition, Test & Evaluation Center	Tech-18	JCSG	$ 2.71	4	-1.151	2.417	-0.714	-0.714	-0.714	-0.714	-0.714	-0.714	$ (7.88)
186	Create an Integrated Weapons & Armaments Specialty Site for Guns and Ammunition	Tech-19	JCSG	$ 116.30	13	81.577	4.913	44.777	65.814	-11.243	-11.243	-11.243	-11.243	$ (31.36)
187	Defense Research Service Led Laboratories	Tech-22	JCSG	$ 164.49	4	57.736	9.251	4.583	91.083	24.944	-36.062	-36.062	-36.062	$ (296.44)
188	Establish Centers for Fixed Wing Air Platform Research, Development & Acquisition, Test & Evaluation	Tech-24	JCSG	$ 17.65	11	9.643	11.752	0.760	0.750	-0.670	-0.631	-2.318	-2.346	$ (13.22)
189	Establish Centers for Rotary Wing Air Platform Development & Acquisition, Test & Evaluation	Tech-26	JCSG	$ 49.40	32	41.565	3.376	34.620	10.785	-2.450	-2.383	-2.383	-2.383	$ 16.79
190	Navy Sensors, Electronic Warfare, and Electomics Research, Development & Acquistion, Test & Evaluation	Tech-28	JCSG	$ 72.70	12	50.871	18.752	17.067	10.127	18.367	-6.721	-6.721	-6.726	$ (16.90)

DCN: 11868

1.2 Bombers

1.2.1 Effective Weights (Bomber MCI)

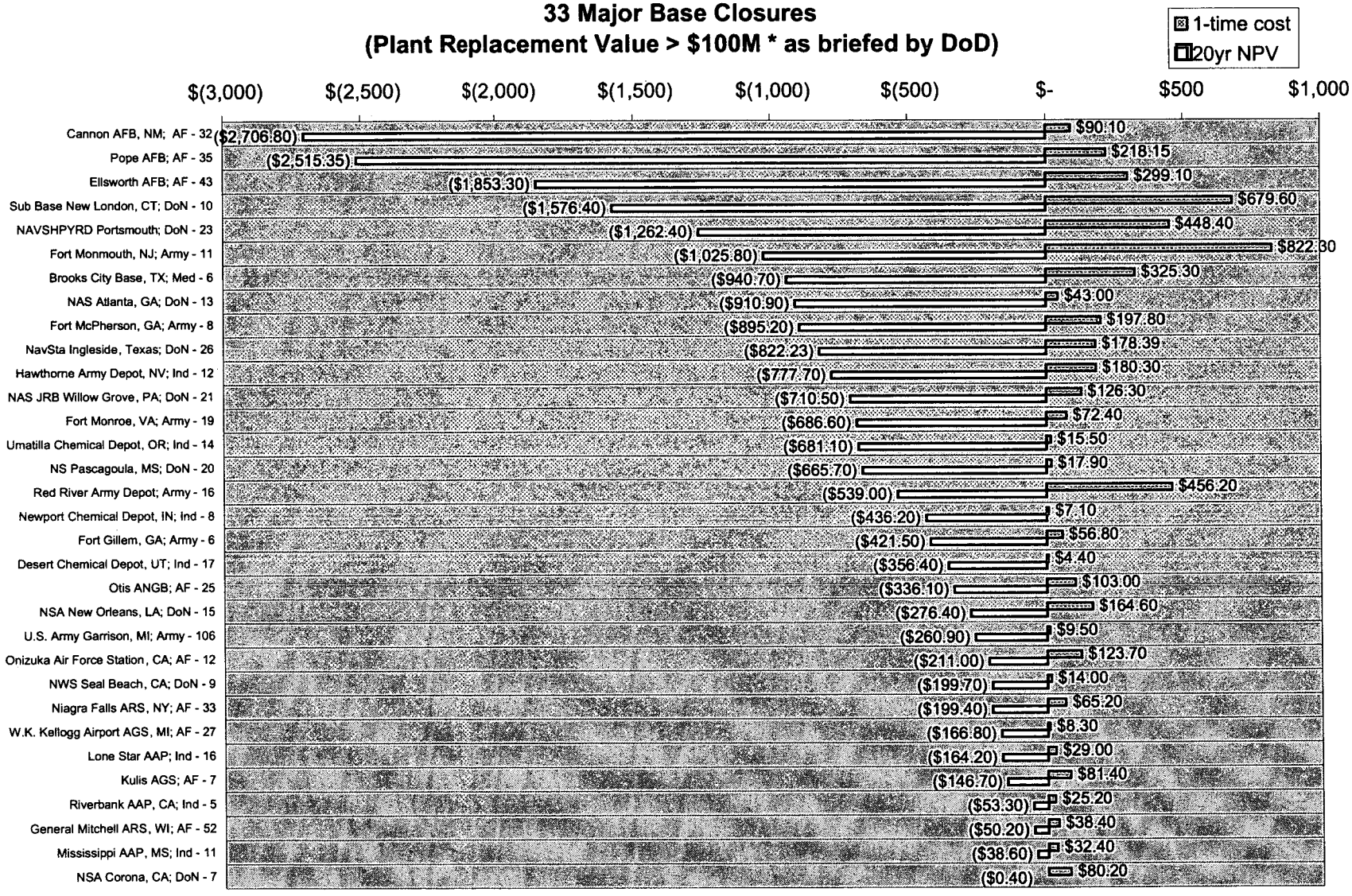
Bold rows indicate OSD military value selection criteria and associated effective weights. Shaded rows indicate Air Force military value attributes and associated effective weights. Rows with no enhancement indicate individual questions with the leading numeric indicating the question number. Question effective weights sum to the attribute above them and attribute effective weights sum to the criterion above them. The criteria **(bold)** sum to 100.

Name	Eff. %
1 - Current / Future Mission	**46.00**
1 - Operating Environment	9.20
1242 - ATC Restrictions to Operations	5.52
1271 - Prevailing Installation Weather Conditions	3.68
2 - Geo-locational Factors	36.80
1245 - Proximity to Airspace Supporting Mission (ASM)	20.24
1246 - Proximity to Low Level Routes Supporting Mission	16.56
2 - Condition of Infrastructure	**41.50**
3 - Key Mission Infrastructure	29.05
1 - Fuel Hydrant Systems Support Mission Growth	2.03
8 - Ramp Area and Serviceability	3.49
9 - Runway Dimension and Serviceability	5.52
19 - Hangar Capability - Large Aircraft	2.91
1207 - Level of Mission Encroachment	2.03
1231 - Certified Weapons Storage Area	2.03
1232 - Sufficient Explosives-sited Parking	3.20
1233 - Sufficient Munitions Storage	2.91
1235 - Installation Pavements Quality	4.94
4 - Operating Areas	12.45
1266 - Range Complex (RC) Supports Mission	12.45
1266.42 - RC - WD Low Angle Strafe	.00
3 - Contingency, Mobilization, Future Forces	**10.00**
5 - Mobility/Surge	4.40
1214 - Fuel Dispensing Rate to Support Mobility and Surge	2.64
1241 - Ability to Support Large-Scale Mobility Deployment	1.76
6 - Growth Potential	5.60
213 - Attainment / Emission Budget Growth Allowance	1.68
1205.1 - Buildable Acres for Industrial Operations Growth	1.96
1205.2 - Buildable Acres for Air Operations Growth	1.96
4 - Cost of Ops / Manpower	**2.50**
7 - Cost Factors	2.50
1250 - Area Cost Factor	1.25
1269 - Utilities cost rating (U3C)	.13
1402 - BAH Rate	.88
1403 - GS Locality Pay Rate	.25

1.2.2 Bomber MCI Question Detail

Mission	Bomber
Criterion	Current / Future Mission
Attribute	Operating Environment
Formula #	1242
Label	ATC Restrictions to Operations
Effective %	5.52
Question	List the percentage of installation departures delayed by Air Traffic Control. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. See section 1.9 "Shared" for details. Check the Delayed Departures Percentage. See OSD question 1242, column 5 for this data. If the percentage delayed = 0, get 100 points. Otherwise, if the percentage delayed is >= 3%, get 0 points. Otherwise, pro-rate the percentage delayed between 0 to 3% on a 100 to 0 point scale. **Example:** The departure percentage delayed is 1%. 1% is one third of the way between 0 and 3%, so the score is 66.67 points.
Source	CAMS (Computerized Aircraft Maintenance System)/ G081

DCN: 11868


33 Major Base Closures
(Plant Replacement Value > $100M * as briefed by DoD)
1-time cost
20yr NPV
$(3,000)
$(2,500)
$(2,000)
$(1,500)
$(1,000)
$(500)
$-
$500
$1,000
Cannon AFB, NM; AF - 32 ($2,706.80) $90.10
Pope AFB; AF - 35 ($2,515.35) $218.15
Ellsworth AFB; AF - 43 ($1,853.30) $299.10
Sub Base New London, CT; DoN - 10 ($1,576.40) $679.60
NAVSHPYRD Portsmouth; DoN - 23 ($1,262.40) $448.40
Fort Monmouth, NJ; Army - 11 ($1,025.80) $822.30
Brooks City Base, TX; Med - 6 ($940.70) $325.30
NAS Atlanta, GA; DoN - 13 ($910.90) $43.00
Fort McPherson, GA; Army - 8 ($895.20) $197.80
NavSta Ingleside, Texas; DoN - 26 ($822.23) $178.39
Hawthorne Army Depot, NV; Ind - 12 ($777.70) $180.30
NAS JRB Willow Grove, PA; DoN - 21 ($710.50) $126.30
Fort Monroe, VA; Army - 19 ($686.60) $72.40
Umatilla Chemical Depot, OR; Ind - 14 ($681.10) $15.50
NS Pascagoula, MS; DoN - 20 ($665.70) $17.90
Red River Army Depot; Army - 16 ($539.00) $456.20
Newport Chemical Depot, IN; Ind - 8 ($436.20) $7.10
Fort Gillem, GA; Army - 6 ($421.50) $56.80
Desert Chemical Depot, UT; Ind - 17 ($356.40) $4.40
Otis ANGB; AF - 25 ($336.10) $103.00
NSA New Orleans, LA; DoN - 15 ($276.40) $164.60
U.S. Army Garrison, MI; Army - 106 ($260.90) $9.50
Onizuka Air Force Station, CA; AF - 12 ($211.00) $123.70
NWS Seal Beach, CA; DoN - 9 ($199.70) $14.00
Niagra Falls ARS, NY; AF - 33 ($199.40) $65.20
W.K. Kellogg Airport AGS, MI; AF - 27 ($166.80) $8.30
Lone Star AAP; Ind - 16 ($164.20) $29.00
Kulis AGS; AF - 7 ($146.70) $81.40
Riverbank AAP, CA; Ind - 5 ($53.30) $25.20
General Mitchell ARS, WI; AF - 52 ($50.20) $38.40
Mississippi AAP, MS; Ind - 11 ($38.60) $32.40
NSA Corona, CA; DoN - 7 ($0.40) $80.20

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COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 2/2
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:55:03 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	15,338	170,425	0	0	0	0	185,763	0
Person	0	0	41,815	43,224	43,224	43,224	171,487	43,224
Overhd	4,659	6,201	14,349	13,198	24,627	11,728	74,762	11,728
Moving	0	1,251	37,510	172	0	0	38,933	0
Missio	0	0	0	0	0	0	0	0
Other	1,774	24,082	6,750	8,417	6,706	6,706	54,435	6,706
TOTAL	21,771	201,959	100,424	65,011	74,557	61,658	525,380	61,658

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	0	96,616	173,493	173,493	173,493	617,097	173,493
Overhd	14,495	14,495	47,258	47,258	47,258	47,258	218,022	49,416
Moving	0	0	6,644	0	0	0	6,644	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	14,495	14,495	150,518	220,751	220,751	220,751	841,763	222,909

DCN: 11868

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10)
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:54:59 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

Personnel

Base	Start*	Finish*	Change	%Change
Ellsworth AFB	3,753	0	-3,753	-100%
Dyess AFB	5,777	6,151	374	6%
Elmendorf AFB	9,218	9,475	257	3%
Peterson AFB	7,155	7,618	463	6%
Little Rock AFB	5,588	6,773	1,185	21%
Francis E. Warren AF	3,998	3,998	0	0%
TOTAL	35,489	34,015	-1,474	-4%

Dyess C130 authorization 1680
Less
Peterson: 463
Elmendorf: 257
Little Rock: 1,185
+ 225 [illegible]

Square Footage

Base	Start	Finish	Change	%Change	Chg/Per
Ellsworth AFB	3,684,000	0	-3,684,000	-100%	982
Dyess AFB	2,676,000	3,076,144	400,144	15%	1,070
Elmendorf AFB	6,403,000	6,407,267	4,267	0%	17
Peterson AFB	2,544,000	2,590,355	46,355	2%	100
Little Rock AFB	3,103,000	3,239,650	136,650	4%	115
Francis E. Warren AF	2,294,000	2,294,000	0	0%	0
TOTAL	20,704,000	17,607,416	-3,096,584	-15%	2,101

Base Operations Support (2005$)

Base	Start*	Finish*	Change	%Change	Chg/Per
Ellsworth AFB	20,533,723	0	-20,533,723	-100%	5,471
Dyess AFB	25,171,731	26,240,437	1,068,705	4%	2,857
Elmendorf AFB	83,971,619	85,733,309	1,761,690	2%	6,855
Peterson AFB	66,948,533	69,991,349	3,042,816	5%	6,572
Little Rock AFB	22,903,645	26,052,232	3,148,587	14%	2,657
Francis E. Warren AF	23,446,257	23,446,257	0	0%	0
TOTAL	242,975,509	231,463,584	-11,511,924	-5%	7,810

Sustainment (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Ellsworth AFB	14,387,069	0	-14,387,069	-100%	3,833
Dyess AFB	14,329,624	15,137,205	807,581	6%	2,159
Elmendorf AFB	47,474,642	47,491,981	17,339	0%	67
Peterson AFB	9,938,085	10,026,620	88,535	1%	191
Little Rock AFB	11,271,084	11,529,132	258,048	2%	218
Francis E. Warren AF	6,697,754	6,697,754	0	0%	0
TOTAL	104,098,258	90,882,691	-13,215,567	-13%	8,966

DCN: 11868

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10) - Page 2
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:54:59 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

Recapitalization (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Ellsworth AFB	14,495,219	0	-14,495,219	-100%	3,862
Dyess AFB	10,829,158	11,854,001	1,024,843	9%	2,740
Elmendorf AFB	32,873,165	33,021,992	148,826	0%	579
Peterson AFB	8,749,477	8,868,931	119,454	1%	258
Little Rock AFB	9,120,700	9,362,808	242,107	3%	204
Francis E. Warren AF	7,877,905	7,877,905	0	0%	0
TOTAL	83,945,624	70,985,637	-12,959,987	-15%	8,792

Sustain + Recap + BOS (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Ellsworth AFB	49,416,011	0	-49,416,011	-100%	13,167
Dyess AFB	50,330,514	53,231,643	2,901,129	6%	7,757
Elmendorf AFB	164,319,426	166,247,282	1,927,856	1%	7,501
Peterson AFB	85,636,094	88,886,900	3,250,806	4%	7,021
Little Rock AFB	43,295,430	46,944,172	3,648,742	8%	3,079
Francis E. Warren AF	38,021,916	38,021,916	0	0%	0
TOTAL	431,019,391	393,331,913	-37,687,478	-9%	25,568

Plant Replacement Value (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Ellsworth AFB	1,753,921,464	0	-1,753,921,464	-100%	467,338
Dyess AFB	1,310,328,163	1,434,334,163	124,006,000	9%	331,567
Elmendorf AFB	3,977,652,988	3,995,660,988	18,008,000	0%	70,070
Peterson AFB	1,058,686,708	1,073,140,708	14,454,000	1%	31,218
Little Rock AFB	1,103,604,744	1,132,899,744	29,295,000	3%	24,721
Francis E. Warren AF	953,226,473	953,226,473	0	0%	0
TOTAL	10,157,420,540	8,589,262,076	-1,568,158,464	-15%	1,063,879

* "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.

DCN 11868

No Little Rock Site Survey Data $200M - 250 vs $185M

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 1/21
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:55:03 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

$77M is the Little Rock

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	15,338	170,425	0	0	0	0	185,763
O&M							
CIV SALARY							
Civ RIF	0	0	6,773	0	0	0	6,773
Civ Retire	0	0	515	0	0	0	515
CIV MOVING							
Per Diem	0	0	574	0	0	0	574
POV Miles	0	0	35	0	0	0	35
Home Purch	0	0	1,770	0	0	0	1,770
HHG	0	0	710	0	0	0	710
Misc	0	0	176	0	0	0	176
House Hunt	0	0	442	0	0	0	442
PPP	0	0	2,485	0	0	0	2,485
RITA	0	0	839	0	0	0	839
FREIGHT							
Packing	0	0	224	0	0	0	224
Freight	0	0	2,604	0	0	0	2,604
Vehicles	0	0	133	0	0	0	133
Unemployment	0	0	525	0	0	0	525
OTHER							
Info Tech	0	1,251	2,507	151	0	0	3,909
Prog Manage	4,659	3,494	2,620	1,470	1,102	0	13,345
Supt Contrac	0	0	0	0	11,133	0	11,133
Mothball	0	0	0	0	663	0	663
1-Time Move	0	0	11,807	21	0	0	11,828
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	1,270	0	0	0	1,270
POV Miles	0	0	679	0	0	0	679
HHG	0	0	7,848	0	0	0	7,848
Misc	0	0	3,408	0	0	0	3,408
OTHER							
Elim PCS	0	0	6,965	0	0	0	6,965
OTHER							
HAP / RSE	0	0	3,200	0	0	0	3,200
Environmental	1,774	853	0	0	0	0	2,627
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	23,229	293	5,160	0	0	28,682
TOTAL ONE-TIME	21,771	199,252	58,403	6,802	12,898	0	299,126

+25M one time unique

+4M Environmental Compliance

Before Added

DCN: 11868

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 2/21
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:55:03 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	1,171	1,171	1,171	1,171	1,171	5,857	1,171
Recap	0	1,535	1,535	1,535	1,535	1,535	7,676	1,535
BOS	0	0	9,022	9,022	9,022	9,022	36,087	9,022
Civ Salary	0	0	1,672	3,276	3,276	3,276	11,501	3,276
TRICARE	0	0	3,257	3,257	6,706	6,706	19,926	6,706
MIL PERSONNEL								
Off Salary	0	0	1,812	3,624	3,624	3,624	12,685	3,624
Enl Salary	0	0	12,772	25,544	25,544	25,544	89,403	25,544
House Allow	0	0	10,780	10,780	10,780	10,780	43,120	10,780
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	2,707	42,022	58,210	61,658	61,658	226,255	61,658
TOTAL COST	21,771	201,959	100,424	65,011	74,557	61,658	525,380	61,658

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
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	6,644	0	0	0	6,644
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	6,644	0	0	0	6,644

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	12,229	12,229	12,229	12,229	48,916	14,387
Recap	14,495	14,495	14,495	14,495	14,495	14,495	86,971	14,495
BOS	0	0	20,534	20,534	20,534	20,534	82,135	20,534
Civ Salary	0	0	11,337	22,675	22,675	22,675	79,361	22,675
MIL PERSONNEL								
Off Salary	0	0	8,560	17,121	17,121	17,121	59,924	17,121
Enl Salary	0	0	56,979	113,958	113,958	113,958	398,853	113,958
House Allow	0	0	19,740	19,740	19,740	19,740	78,958	19,740
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	14,495	14,495	143,874	220,751	220,751	220,751	835,119	222,909
TOTAL SAVINGS	14,495	14,495	150,518	220,751	220,751	220,751	841,763	222,909

DCN: 11868

*
MANPOWER

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 3/21
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:55:04 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	15,338	170,425	0	0	0	0	185,763
O&M							
Civ Retir/RIF	0	0	7,288	0	0	0	7,288
Civ Moving	0	0	9,991	0	0	0	9,991
Info Tech	0	1,251	2,507	151	0	0	3,909
Other	4,659	3,494	14,953	1,491	12,898	0	37,495
MIL PERSONNEL							
Mil Moving	0	0	13,526	0	0	0	13,526
OTHER							
HAP / RSE	0	0	3,200	0	0	0	3,200
Environmental	1,774	853	0	0	0	0	2,627
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	23,229	293	5,160	0	0	28,682
TOTAL ONE-TIME	21,771	199,252	51,759	6,802	12,898	0	289,855

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	1,171	-11,057	-11,057	-11,057	-11,057	-43,058	-13,215
Recap	-14,495	-12,960	-12,960	-12,960	-12,960	-12,960	-79,295	-12,960
BOS	0	0	-11,512	-11,512	-11,512	-11,512	-46,048	-11,512
Civ Salary	0	0	-9,665	-19,398	-19,398	-19,398	-67,861	-19,398
TRICARE	0	0	3,257	3,257	6,706	6,706	19,926	6,706 *
MIL PERSONNEL								
Mil Salary	0	0	-50,955	-101,911	-101,911	-101,911	-356,689	-101,911 *
House Allow	0	0	-8,960	-8,960	-8,960	-8,960	-35,839	-8,960
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	-14,495	-11,788	-101,853	-162,541	-159,093	-159,093	-608,864	-161,251
TOTAL NET COST	7,276	187,463	-50,094	-155,740	-146,195	-159,093	-316,382	-161,251

MIL 50,380
CIV <6,706>
43,674

DCN: 11868

Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:55:04 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

Base: Ellsworth AFB, SD (FXBM)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	5,912	0	0	0	5,912
Civ Retire	0	0	420	0	0	0	420
CIV MOVING							
Per Diem	0	0	364	0	0	0	364
POV Miles	0	0	26	0	0	0	26
Home Purch	0	0	1,289	0	0	0	1,289
HHG	0	0	424	0	0	0	424
Misc	0	0	129	0	0	0	129
House Hunt	0	0	297	0	0	0	297
PPP	0	0	2,236	0	0	0	2,236
RITA	0	0	589	0	0	0	589
FREIGHT							
Packing	0	0	128	0	0	0	128
Freight	0	0	1,649	0	0	0	1,649
Vehicles	0	0	92	0	0	0	92
Unemployment	0	0	458	0	0	0	458
OTHER							
Info Tech	0	0	411	0	0	0	411
Prog Manage	3,484	2,613	1,959	1,470	1,102	0	10,628
Supt Contrac	0	0	0	0	11,133	0	11,133
Mothball	0	0	0	0	663	0	663
1-Time Move	0	0	11,776	0	0	0	11,776
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	470	0	0	0	470
POV Miles	0	0	383	0	0	0	383
HHG	0	0	3,130	0	0	0	3,130
Misc	0	0	1,918	0	0	0	1,918
OTHER							
Elim PCS	0	0	6,303	0	0	0	6,303
OTHER							
HAP / RSE	0	0	1,845	0	0	0	1,845
Environmental	1,150	0	0	0	0	0	1,150
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	4,634	2,613	42,210	1,470	12,898	0	63,824

DCN: 11868

Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:55:04 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

Base: Ellsworth AFB, SD (FXBM)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
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	3,448	3,448	6,897	3,448
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	3,448	3,448	6,897	3,448
TOTAL COSTS	4,634	2,613	42,210	1,470	16,347	3,448	70,721	3,448

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
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	3,620	0	0	0	3,620
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	3,620	0	0	0	3,620

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	12,229	12,229	12,229	12,229	48,916	14,387
Recap	14,495	14,495	14,495	14,495	14,495	14,495	86,971	14,495
BOS	0	0	20,534	20,534	20,534	20,534	82,135	20,534
Civ Salary	0	0	10,273	20,547	20,547	20,547	71,914	20,547
MIL PERSONNEL								
Off Salary	0	0	7,186	14,372	14,372	14,372	50,301	14,372
Enl Salary	0	0	52,529	105,059	105,059	105,059	367,706	105,059
House Allow	0	0	19,740	19,740	19,740	19,740	78,958	19,740
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	14,495	14,495	136,986	206,975	206,975	206,975	786,902	209,133
TOTAL SAVINGS	14,495	14,495	140,606	206,975	206,975	206,975	790,522	209,133

DCN: 11868

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

Base: Ellsworth AFB, SD (FXBM)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	6,332	0	0	0	6,332
Civ Moving	0	0	7,224	0	0	0	7,224
Info Tech	0	0	411	0	0	0	411
Other	3,484	2,613	14,194	1,470	12,898	0	34,658
MIL PERSONNEL							
Mil Moving	0	0	8,585	0	0	0	8,585
OTHER							
HAP / RSE	0	0	1,845	0	0	0	1,845
Environmental	1,150	0	0	0	0	0	1,150
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	4,634	2,613	38,590	1,470	12,898	0	60,205

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	-12,229	-12,229	-12,229	-12,229	-48,916	-14,387
Recap	-14,495	-14,495	-14,495	-14,495	-14,495	-14,495	-86,971	-14,495
BOS	0	0	-20,534	-20,534	-20,534	-20,534	-82,135	-20,534
Civ Salary	0	0	-10,273	-20,547	-20,547	-20,547	-71,914	-20,547
TRICARE	0	0	0	0	3,448	3,448	6,897	3,448
MIL PERSONNEL								
Mil Salary	0	0	-59,715	-119,431	-119,431	-119,431	-418,007	-119,431
House Allow	0	0	-19,740	-19,740	-19,740	-19,740	-78,958	-19,740
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	-14,495	-14,495	-136,986	-206,975	-203,527	-203,527	-780,005	-205,685
TOTAL NET COST	-9,861	-11,882	-98,396	-205,505	-190,628	-203,527	-719,800	-205,685

DCN: 11868

Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:55:04 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

Base: Dyess AFB, TX (FNWZ)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	10,239	113,767	0	0	0	0	124,006
O&M							
CIV SALARY							
Civ RIFs	0	0	172	0	0	0	172
Civ Retire	0	0	72	0	0	0	72
CIV MOVING							
Per Diem	0	0	210	0	0	0	210
POV Miles	0	0	9	0	0	0	9
Home Purch	0	0	481	0	0	0	481
HHG	0	0	286	0	0	0	286
Misc	0	0	47	0	0	0	47
House Hunt	0	0	145	0	0	0	145
PPP	0	0	35	0	0	0	35
RITA	0	0	249	0	0	0	249
FREIGHT							
Packing	0	0	96	0	0	0	96
Freight	0	0	955	0	0	0	955
Vehicles	0	0	41	0	0	0	41
Unemployment	0	0	13	0	0	0	13
OTHER							
Info Tech	0	611	801	0	0	0	1,412
Prog Manage	1,130	847	636	0	0	0	2,613
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	0	31	21	0	0	52
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	800	0	0	0	800
POV Miles	0	0	296	0	0	0	296
HHG	0	0	4,717	0	0	0	4,717
Misc	0	0	1,490	0	0	0	1,490
OTHER							
Elim PCS	0	0	610	0	0	0	610
OTHER							
HAP / RSE	0	0	1,274	0	0	0	1,274
Environmental	165	196	0	0	0	0	361
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	12,231	0	1,406	0	0	13,637
TOTAL ONE-TIME	11,534	127,652	13,467	1,427	0	0	154,081

DCN: 11868

Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:55:04 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

Base: Dyess AFB, TX (FNWZ)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	807	807	807	807	807	4,038	807
Recap	0	1,025	1,025	1,025	1,025	1,025	5,124	1,025
BOS	0	0	1,069	1,069	1,069	1,069	4,275	1,069
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	899	899	899	899	3,598	899
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	956	956	956	956	3,824	956
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	1,832	4,757	4,757	4,757	4,757	20,859	4,757
TOTAL COSTS	11,534	129,485	18,224	6,184	4,757	4,757	174,940	4,757

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
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	3,024	0	0	0	3,024
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	3,024	0	0	0	3,024

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
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	0	166	332	332	332	1,164	332
MIL PERSONNEL								
Off Salary	0	0	1,062	2,124	2,124	2,124	7,436	2,124
Enl Salary	0	0	4,449	8,899	8,899	8,899	31,147	8,899
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	0	5,678	11,356	11,356	11,356	39,746	11,356
TOTAL SAVINGS	0	0	8,702	11,356	11,356	11,356	42,770	11,356

DCN: 11868

Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:55:05 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

Base: Dyess AFB, TX (FNWZ)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	10,239	113,767	0	0	0	0	124,006
O&M							
Civ Retir/RIF	0	0	244	0	0	0	244
Civ Moving	0	0	2,555	0	0	0	2,555
Info Tech	0	611	801	0	0	0	1,412
Other	1,130	847	680	21	0	0	2,679
MIL PERSONNEL							
Mil Moving	0	0	4,889	0	0	0	4,889
OTHER							
HAP / RSE	0	0	1,274	0	0	0	1,274
Environmental	165	196	0	0	0	0	361
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	12,231	0	1,406	0	0	13,637
TOTAL ONE-TIME	11,534	127,652	10,443	1,427	0	0	151,057

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	807	807	807	807	807	4,038	807
Recap	0	1,025	1,025	1,025	1,025	1,025	5,124	1,025
BOS	0	0	1,069	1,069	1,069	1,069	4,275	1,069
Civ Salary	0	0	-166	-332	-332	-332	-1,164	-332
TRICARE	0	0	899	899	899	899	3,598	899
MIL PERSONNEL								
Mil Salary	0	0	-5,512	-11,024	-11,024	-11,024	-38,583	-11,024
House Allow	0	0	956	956	956	956	3,824	956
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	1,832	-921	-6,599	-6,599	-6,599	-18,887	-6,599
TOTAL NET COST	11,534	129,485	9,522	-5,172	-6,599	-6,599	132,169	-6,599

DCN: 11868

COBRA ECONOMIC IMPACT REPORT (COBRA v6.10)
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:54:55 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

Ellsworth AFB, SD (FXBM)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	0	0	0	0
Jobs Lost-Mil	0	0	3,308	0	0	0	3,308
NET CHANGE-Mil	0	0	-3,308	0	0	0	-3,308
Jobs Gained-Civ	0	0	0	0	0	0	0
Jobs Lost-Civ	0	0	438	0	0	0	438
NET CHANGE-Civ	0	0	-438	0	0	0	-438
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	0	7	0	0	0	7
NET CHANGE-Stu	0	0	-7	0	0	0	-7

Dyess AFB, TX (FNWZ)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	1,918	0	0	0	1,918
Jobs Lost-Mil	0	0	1,615	0	0	0	1,615
NET CHANGE-Mil	0	0	303	0	0	0	303
Jobs Gained-Civ	0	0	129	0	0	0	129
Jobs Lost-Civ	0	0	65	0	0	0	65
NET CHANGE-Civ	0	0	64	0	0	0	64
Jobs Gained-Stu	0	0	7	0	0	0	7
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	7	0	0	0	7

Elmendorf AFB, AK (FXSB)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	252	0	0	0	252
Jobs Lost-Mil	0	0	5	0	0	0	5
NET CHANGE-Mil	0	0	247	0	0	0	247
Jobs Gained-Civ	0	0	10	0	0	0	10
Jobs Lost-Civ	0	0	0	0	0	0	0
NET CHANGE-Civ	0	0	10	0	0	0	10
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	0	0	0	0	0

Peterson AFB, CO (TDKA)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	482	0	0	0	482
Jobs Lost-Mil	0	0	0	0	0	0	0
NET CHANGE-Mil	0	0	482	0	0	0	482
Jobs Gained-Civ	0	0	8	0	0	0	8
Jobs Lost-Civ	0	0	27	0	0	0	27
NET CHANGE-Civ	0	0	-19	0	0	0	-19
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	0	0	0	0	0

DCN: 11868

COBRA INPUT DATA REPORT (COBRA v6.10)
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:54:51 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 2006
Model does Time-Phasing of Construction/Shutdown: No

Base Name, ST (Code)	Strategy:
Ellsworth AFB, SD (FXBM)	Closes in FY 2008
Dyess AFB, TX (FNWZ)	Realignment
Elmendorf AFB, AK (FXSB)	Realignment
Peterson AFB, CO (TDKA)	Realignment
Little Rock AFB, AR (NKAK)	Realignment
Francis E. Warren AF, WY (GHLN)	Realignment

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

Point A:	Point B:	Distance:
Ellsworth AFB, SD (FXBM)	Dyess AFB, TX (FNWZ)	998 mi
Dyess AFB, TX (FNWZ)	Elmendorf AFB, AK (FXSB)	3,905 mi
Dyess AFB, TX (FNWZ)	Peterson AFB, CO (TDKA)	645 mi
Dyess AFB, TX (FNWZ)	Little Rock AFB, AR (NKAK)	528 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from Ellsworth AFB, SD (FXBM) to Dyess AFB, TX (FNWZ)

	2006	2007	2008	2009	2010	2011
Officer Positions:	0	0	214	0	0	0
Enlisted Positions:	0	0	1,704	0	0	0
Civilian Positions:	0	0	129	0	0	0
Student Positions:	0	0	7	0	0	0
NonVeh Missn Eqpt(tons):	0	0	671	0	0	0
Suppt Eqpt (tons):	0	0	1,342	0	0	0
Military Light Vehicles:	0	0	36	0	0	0
Heavy/Special Vehicles:	0	0	1	0	0	0

Transfers from Dyess AFB, TX (FNWZ) to Elmendorf AFB, AK (FXSB)

	2006	2007	2008	2009	2010	2011
Officer Positions:	0	0	33	0	0	0
Enlisted Positions:	0	0	165	0	0	0
Civilian Positions:	0	0	8	0	0	0
Student Positions:	0	0	0	0	0	0
NonVeh Missn Eqpt(tons):	0	0	5	0	0	0
Suppt Eqpt (tons):	0	0	10	0	0	0
Military Light Vehicles:	0	0	2	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

DCN: 11868

COBRA INPUT DATA REPORT (COBRA v6.10) - Page 2
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:54:51 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from Dyess AFB, TX (FNWZ) to Peterson AFB, CO (TDKA)

	2006	2007	2008	2009	2010	2011
Officer Positions:	0	0	33	0	0	0
Enlisted Positions:	0	0	165	0	0	0
Civilian Positions:	0	0	8	0	0	0
Student Positions:	0	0	0	0	0	0
NonVeh Missn Eqpt(tons):	0	0	5	0	0	0
Suppt Eqpt (tons):	0	0	10	0	0	0
Military Light Vehicles:	0	0	2	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

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Transfers from Dyess AFB, TX (FNWZ) to Little Rock AFB, AR (NKAK)

	2006	2007	2008	2009	2010	2011
Officer Positions:	0	0	182	0	0	0
Enlisted Positions:	0	0	912	0	0	0
Civilian Positions:	0	0	44	0	0	0
Student Positions:	0	0	0	0	0	0
NonVeh Missn Eqpt(tons):	0	0	77	0	0	0
Suppt Eqpt (tons):	0	0	54	0	0	0
Military Light Vehicles:	0	0	11	0	0	0
Heavy/Special Vehicles:	0	0	2	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION ~~1282~~ 1138

Name: Ellsworth AFB, SD (FXBM)

Total Officer Employees:	329	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	3,017	Total Sustainment($K/Year):	20,504
Total Student Employees:	7	Sustain Payroll ($K/Year):	6,117
Total Civilian Employees:	399	BOS Non-Payroll ($K/Year):	20,531
Accomp Mil not Receiving BAH:	72.3%	BOS Payroll ($K/Year):	14,296
Officer Housing Units Avail:	0	Family Housing ($K/Year):	17,439
Enlisted Housing Units Avail:	0	Installation PRV($K):	1,753,921
Starting Facilities(KSF):	3,684	Svc/Agcy Recap Rate (Years):	121
Officer BAH ($/Month):	997	Homeowner Assistance Program:	Yes
Enlisted BAH ($/Month):	860		
Civ Locality Pay Factor:	1.109		
Area Cost Factor:	0.93		
Per Diem Rate ($/Day):	134		
Freight Cost ($/Ton/Mile):	0.22		
Vehicle Cost ($/Lift/Mile):	4.84		
Latitude:	44.144020		
Longitude:	-103.088423		

TRICARE	In-Pat Admits	Out-Pat Visits	Prescrip
CostFactor	5,370.68	164.37	15.28
Actv MTF	0	51,942	43,585
Actv Purch	777	7,152	
Retiree	0	14,035	42,164
Retiree65+	0	1,751	28,772

DCN: 11868

COBRA INPUT DATA REPORT (COBRA v6.10) - Page 3
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:54:51 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: Dyess AFB, TX (FNWZ)

Total Officer Employees:	669	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	4,583	Total Sustainment($K/Year):	17,322
Total Student Employees:	3	Sustain Payroll ($K/Year):	2,992
Total Civilian Employees:	370	BOS Non-Payroll ($K/Year):	24,737
Accomp Mil not Receiving BAH:	31.8%	BOS Payroll ($K/Year):	13,099
Officer Housing Units Avail:	0	Family Housing ($K/Year):	6,624
Enlisted Housing Units Avail:	0	Installation PRV($K):	1,310,328
Starting Facilities(KSF):	2,676	Svc/Agcy Recap Rate (Years):	121
Officer BAH ($/Month):	964	Homeowner Assistance Program:	Yes
Enlisted BAH ($/Month):	708		
Civ Locality Pay Factor:	1.109		
Area Cost Factor:	0.97		
Per Diem Rate ($/Day):	86		
Freight Cost ($/Ton/Mile):	0.19		
Vehicle Cost ($/Lift/Mile):	4.84		
Latitude:	32.420399		
Longitude:	-99.841057		

TRICARE	In-Pat Admits	Out-Pat Visits	Prescrip
CostFactor	4,362.49	114.10	22.63
Actv MTF	0	56,921	81,663
Actv Purch	1,117	54,730	
Retiree	0	11,549	60,669
Retiree65+	0	857	58,534

Name: Elmendorf AFB, AK (FXSB)

Total Officer Employees:	884	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	5,990	Total Sustainment($K/Year):	58,042
Total Student Employees:	0	Sustain Payroll ($K/Year):	10,568
Total Civilian Employees:	1,786	BOS Non-Payroll ($K/Year):	80,147
Accomp Mil not Receiving BAH:	20.6%	BOS Payroll ($K/Year):	28,630
Officer Housing Units Avail:	0	Family Housing ($K/Year):	13,812
Enlisted Housing Units Avail:	0	Installation PRV($K):	3,977,653
Starting Facilities(KSF):	6,403	Svc/Agcy Recap Rate (Years):	121
Officer BAH ($/Month):	1,775	Homeowner Assistance Program:	Yes
Enlisted BAH ($/Month):	1,256		
Civ Locality Pay Factor:	1.250		
Area Cost Factor:	1.68		
Per Diem Rate ($/Day):	259		
Freight Cost ($/Ton/Mile):	0.37		
Vehicle Cost ($/Lift/Mile):	4.84		
Latitude:	61.244088		
Longitude:	-149.809197		

TRICARE	In-Pat Admits	Out-Pat Visits	Prescrip
CostFactor	7,862.31	157.32	39.71
Actv MTF	1,960	149,007	126,090
Actv Purch	280	22,645	
Retiree	890	47,022	88,287
Retiree65+	479	11,433	40,818

DCN: 11868

COBRA INPUT DATA REPORT (COBRA v6.10) - Page 5
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:54:51 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: Francis E. Warren AF, WY (GHLN)

Total Officer Employees:	526	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	2,785	Total Sustainment($K/Year):	14,345
Total Student Employees:	0	Sustain Payroll ($K/Year):	7,647
Total Civilian Employees:	588	BOS Non-Payroll ($K/Year):	23,116
Accomp Mil not Receiving BAH:	37.2%	BOS Payroll ($K/Year):	15,493
Officer Housing Units Avail:	0	Family Housing ($K/Year):	7,263
Enlisted Housing Units Avail:	0	Installation PRV($K):	953,226
Starting Facilities(KSF):	2,294	Svc/Agcy Recap Rate (Years):	121
Officer BAH ($/Month):	1,160	Homeowner Assistance Program:	Yes
Enlisted BAH ($/Month):	892		
Civ Locality Pay Factor:	1.109		
Area Cost Factor:	1.00		
Per Diem Rate ($/Day):	86		
Freight Cost ($/Ton/Mile):	0.37		
Vehicle Cost ($/Lift/Mile):	4.84		
Latitude:	41.148760		
Longitude:	-104.860252		

TRICARE	In-Pat Admits	Out-Pat Visits	Prescrip
CostFactor	10,484.39	96.73	26.78
Actv MTF	0	53,062	54,624
Actv Purch	761	26,363	
Retiree	0	6,497	36,390
Retiree65+	0	589	33,293

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: Ellsworth AFB, SD (FXBM)

	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 ($K):	0	0	11,776	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	1,150	0	0	0	0	0
Activ Mission Cost ($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	11,133	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 ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	100%	0%
Misn Milcon Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0

MTF Closure Action: Hospital Fac ShDn(KSF): 3,684 FH ShDn: 100.000%

DCN: 11868

COBRA INPUT DATA REPORT (COBRA v6.10) - Page 6
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:54:52 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: Dyess AFB, TX (FNWZ)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost ($K):	0	12,231	0	1,406	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	31	21	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	165	196	0	0	0	0
Activ Mission Cost ($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 ($K):	0	611	494	0	0	0
Construction Schedule(%):	0%	100%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc($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%

Name: Elmendorf AFB, AK (FXSB)

	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($K):	69	18	0	0	0	0
Activ Mission Cost ($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 ($K):	0	139	0	151	0	0
Construction Schedule(%):	0%	100%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc($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%

DCN: 11868

Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:54:53 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: Francis E. Warren AF, WY (GHLN)

	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): 0 FH ShDn: 0.000%

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: Ellsworth AFB, SD (FXBM)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	-115	0	0	0
Enl Scenario Change:	0	0	-1,275	0	0	0
Civ Scenario Change:	0	0	-309	0	0	0
Off Prog nonBRAC Change:	0	0	0	0	0	0
Enl Prog nonBRAC Change:	-38	0	0	0	0	0
Civ Prog nonBRAC Change:	39	0	0	0	0	0
Stu Prog nonBRAC Change:	0	0	0	0	0	0
Prog FH Privatization:	100%	0%	0%	0%	0%	0%

Name: Dyess AFB, TX (FNWZ)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	-17	0	0	0
Enl Scenario Change:	0	0	-108	0	0	0
Civ Scenario Change:	0	0	-5	0	0	0
Off Prog nonBRAC Change:	8	12	0	0	0	0
Enl Prog nonBRAC Change:	78	33	0	0	0	0
Civ Prog nonBRAC Change:	25	1	-5	0	0	0
Stu Prog nonBRAC Change:	0	0	0	0	0	0
Prog FH Privatization:	29%	0%	3%	0%	0%	0%

DCN: 11868

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Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN SEVEN - BASE MILITARY CONSTRUCTION INFORMATION

Name: Dyess AFB, TX (FNWZ)

FAC	UM	New MilCon	Rehab MilCon	TotCost($K)	FPG Con CF	FPG Sust CF
1711	SF	15,222	0 Default	3,353	154.99	3.65
1721	SF	36,000	0 Default	9,422	184.67	5.31
2111	SF	191,370	0 Default	60,702	196.52	2.03
2113	SF	21,570	0 Default	8,359	271.86	2.09
2121	SF	33,000	0 Default	11,611	250.20	2.72
2162	SF	25,700	0 Default	5,890	133.71	3.22
2171	SF	14,944	0 Default	3,164	147.68	2.62
2181	SF	6,541	0 Default	1,449	144.86	3.06
4111	BL	11,990	0 Default	916	53.01	3.37
4221	SF	2,245	0 Default	669	208.31	2.32
4421	SF	40,000	0 Default	4,671	75.98	2.06
6101	SF	5,559	0 Default	1,132	151.95	3.83
7220	SF	2,736	0 Default	936	244.13	5.41
7371	SF	2,352	0 Default	579	166.13	2.76
7417	SF	2,905	0 Default	654	151.95	3.91
1412	SF	0	24,851 Default	3,532	152.30	3.26
2112	SF	0	57,747 Default	6,967	169.17	2.03

Name: Elmendorf AFB, AK (FXSB)

FAC	UM	New MilCon	Rehab MilCon	TotCost($K)	FPG Con CF	FPG Sust CF
1411	SF	281	0 Default	159	226.91	3.45
2141	SF	351	0 Default	119	144.86	3.01
2151	SF	562	0 Default	200	123.73	2.56
2184	SF	2,878	0 Default	1,176	159.65	3.49
4122	SF	195	0 Default	48	96.59	1.06
1412	SF	0	16,099 Default	2,910	152.30	3.26
1712	SF	0	4,984 Default	680	175.25	2.71
2111	SF	0	30,818 Default	7,930	196.52	2.03
2112	SF	0	11,899 Default	2,486	169.17	2.03
2113	SF	0	725 Default	228	271.86	2.09
2116	SF	0	3,627 Default	691	169.17	2.43
2162	SF	0	1,112 Default	127	133.71	3.22
2171	SF	0	3,510 Default	820	147.68	2.62
2181	SF	0	3,920 Default	434	144.86	3.06

DCN: 11868

COBRA PERSONNEL IMPACT REPORT (COBRA v6.10) - Page 3/7
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:54:58 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

Base: Dyess AFB, TX (FNWZ)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	60	0	0	0	60
Early Retirement*	8.10%	0	0	6	0	0	0	6
Regular Retirement*	1.67%	0	0	1	0	0	0	1
Civilian Turnover*	9.16%	0	0	6	0	0	0	6
Civs Not Moving (RIFs)*	6.00%	0	0	3	0	0	0	3
Civilians Moving (the remainder)		0	0	44	0	0	0	44
Civilian Positions Available		0	0	16	0	0	0	16
CIVILIAN POSITIONS ELIMINATED		0	0	5	0	0	0	5
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	2	0	0	0	2
Civilians Available to Move		0	0	3	0	0	0	3
Civilians Moving		0	0	3	0	0	0	3
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	129	0	0	0	129
Civilians Moving		0	0	129	0	0	0	129
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	6	0	0	0	6
TOTAL CIVILIAN RIFS		0	0	3	0	0	0	3
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	2	0	0	0	2
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 : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

FOOTNOTES FOR SCREEN ONE
==========
Close Ellsworth AFB. The 28th Bomb Wing's 24 B-1B aircraft are distributed to the 7th Bomb Wing, Dyess AFB, Texas. The 317th Airlift Group at Dyess assigned C-130 aircraft are distributed to the 176 Wing (ANG), Elmendorf AFB, Alaska (4 PAA); 302d Airlift Wing (AFRC), Peterson AFB, Colorado (4 PAA); and the 314th Airlift Wing (22 PAA) and the 189th Airlift Wing (ANG) (2 PAA), Little Rock AFB, Arkansas. Peterson, will have C-130 active duty/ARC associations at a 50/50 force mix. Elmendorf will have C-130 association mix of 8 PAA/4 PAA (ANG/AD).

FOOTNOTES FOR SCREEN THREE
==========
Ellsworth:
Moved 7 student positions and reduced enlisted population by 7 to balance Screen 4; moved 43 additional civilians to Dyess to account for DoD tenant population.

Manpower moved to/from Base x are entered in COBRA on Screen 6 as additions/eliminations.

FOOTNOTES FOR SCREEN FIVE
==========
Ellsworth:
One-time Moving $11,776: 3693k transportation, 2500k hush house, 25k warehouse, 1058k munitions, 4500k simulator movement
Support Contract Termination $11,143: UESC 192k, Sec 801 leased housing 10941k
Environmental Non-Milcon $1150K for NEPA.
Assume hospital facility closes as per previous iterations of this scenario.

Dyess:
One-time Unique 2007 - $12,231 = 11351 Infrastructure, 880k MFH privitization, 2009 - $1,406 = 273k training furn, 895k dining equip, 94k CDC equip, 144k systems furniture
Env Non-MILCON 2006: $765k NEPA, 2007: $196 = 98k air permit, 98k waste program
One-time moving cost 2008 $31 for Peterson and Little Rock; 2009 $21 for Elmendorf.
One-time IT $611k connection, $494k phones, STEs, PCs, etc.

Elmendorf:
Env Non-MILCON 2006: $69k NEPA, 2007: $18 = 9k air permit, 9k waste program
One-time IT $139k proportional connection, $151k Phones, etc.

Peterson:
One-time Unique 2007- $6760 = 1445k infrastructure upgrades, 5315 MFH privatization, 2008- $241 = entry gate 149k; 11k fitness equip, 4k library equip, 53k dining equip, 25k CDC equip
Env Non-MILCON 2006- $140k NEPA,: 2007 $575 = 11k waste, 6k conformity, 11k conformity determination, 539k offset costs, 8k air permit revision
One-time IT $154k connection, $296k phones, STEs, PCs, etc.

Little Rock:
One-time Unique: 2007- $4238 = 2861 Infrasturcture upgrades; 1377k MFH priviatization cost, 2008 - $51,740 for training 2 ANG drill.
2009- $3754 = 15k library equip, 2389k dining equip, 343k CDC equip, 494k for dorm furniture and 513k for systems furniture
Env Non-MILCON 2006: $250k NEPA, 2007: $64 = 32k air permit, 32k waste program
One-time IT $347k connection, 999k phones, STEs, PCs, etc.

FOOTNOTES FOR SCREEN SIX
==========
Manpower to/from Base X are entered in Screen 6 as additions/eliminations.

DCN: 11868

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

FOOTNOTES FOR SCREEN SEVEN
==========

Ellsworth:
No MILCON

Dyess:
$124,007K - Includes Primary facility, Support factilities, AT/FP, ACF, Markup, and Design included.
Numbers fro ILE MILCON calculator.

Elmendorf:
$18,010K - Includes Primary facility, Support factilities, AT/FP, ACF, Markup, and Design included.
Numbers fro ILE MILCON calculator.

Peterson:
$14,453K - Includes Primary facility, Support factilities, AT/FP, ACF, Markup, and Design included.
Numbers fro ILE MILCON calculator.

Little Rock:
$29,295K - Includes Primary facility, Support factilities, AT/FP, ACF, Markup, and Design included.
Numbers fro ILE MILCON calculator.

DCN: 11868

TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10)
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:54:58 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

All values in 2005 Constant Dollars

Base Name	Total MilCon*	Milcon Cost Avoidence	Total Net Costs
Ellsworth AFB	0	0	0
Dyess AFB	124,006,000	0	124,006,000
Elmendorf AFB	18,008,000	0	18,008,000
Peterson AFB	14,454,000	0	14,454,000
Little Rock AFB	29,295,000	0	29,295,000
Francis E. Warren AF	0	0	0
Totals:	185,763,000	0	185,763,000

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

DCN: 11868

COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10) - Page 2
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:54:58 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

MilCon for Base: Dyess AFB, TX (FNWZ)

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	15,222	n/a**	0	Default	n/a**	3,353
1721	Flight Simulator Facility	SF	36,000	n/a**	0	Default	n/a**	9,422
2111	Aircraft Maintenance Hangar	SF	191,370	n/a**	0	Default	n/a**	60,702
2113	Aircraft Corrosion Control Hangar	SF	21,570	n/a**	0	Default	n/a**	8,359
2121	Missile Maintenance/Assembly Building	SF	33,000	n/a**	0	Default	n/a**	11,611
2162	Ammunition Maintenance Shop, Depot	SF	25,700	n/a**	0	Default	n/a**	5,890
2171	Electronic and Communication Maintenance	SF	14,944	n/a**	0	Default	n/a**	3,164
2181	Installation Support Vehicle Maintenance	SF	6,541	n/a**	0	Default	n/a**	1,449
4111	Bulk Liquid Fuel Storage	BL	11,990	n/a**	0	Default	n/a**	916
4221	Ammunition Storage, Installation	SF	2,245	n/a**	0	Default	n/a**	669
4421	Covered Storage Building, Installation	SF	40,000	n/a**	0	Default	n/a**	4,671
6101	Small Unit Headquarters Building	SF	5,559	n/a**	0	Default	n/a**	1,132
7220	Dining Facility	SF	2,736	n/a**	0	Default	n/a**	936
7371	Nursery and Child Care Facility	SF	2,352	n/a**	0	Default	n/a**	579
7417	Recreation Center	SF	2,905	n/a**	0	Default	n/a**	654
1412	Aviation Operations Building	SF	0	n/a**	24,851	Default	n/a**	3,532
2112	Aircraft Maintenance Shop	SF	0	n/a**	57,747	Default	n/a**	6,967

Total Construction Cost:	124,006
- Construction Cost Avoid:	0
Total Net Milcon Cost:	124,006

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

**No New Milcon / Rehabilitation Cost breakdown is available if Total Cost was entered by the user.

DCN: 11868

COBRA NET PRESENT VALUES REPORT (COBRA v6.10)
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:55:02 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

Year	Cost($)	Adjusted Cost($)	NPV($)
2006	7,275,850	7,176,078	7,176,078
2007	187,463,415	179,856,796	187,032,874
2008	-50,093,821	-46,752,127	140,280,747
2009	-155,739,828	-141,391,659	-1,110,911
2010	-146,194,725	-129,110,834	-130,221,745
2011	-159,093,089	-136,675,032	-266,896,777
2012	-161,251,149	-134,755,833	-401,652,610
2013	-161,251,149	-131,085,441	-532,738,051
2014	-161,251,149	-127,515,020	-660,253,071
2015	-161,251,149	-124,041,848	-784,294,919
2016	-161,251,149	-120,663,277	-904,958,196
2017	-161,251,149	-117,376,728	-1,022,334,924
2018	-161,251,149	-114,179,697	-1,136,514,621
2019	-161,251,149	-111,069,744	-1,247,584,365
2020	-161,251,149	-108,044,498	-1,355,628,863
2021	-161,251,149	-105,101,652	-1,460,730,515
2022	-161,251,149	-102,238,961	-1,562,969,476
2023	-161,251,149	-99,454,242	-1,662,423,718
2024	-161,251,149	-96,745,372	-1,759,169,089
2025	-161,251,149	-94,110,284	-1,853,279,373

NPV ≡ where the present value of cash inflows is substracted by the present value of cash outflows. NPV is used to analyze the profitability of an investment or project

$$NPV = \sum_{t=1}^{T} \frac{C_t}{(1+r)^t} - C_0$$

If NPV of a project is (+) then it should be accepted; if (-) it should be rejected because cash flows are negative

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COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 2/7
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Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

Base: Ellsworth AFB, SD (FXBM)
(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	5,912,020	
Civilian Early Retirement	419,615	
Eliminated Military PCS	6,303,035	
Unemployment	458,453	
Total - Personnel		13,093,122
Overhead		
Program Management Cost	10,627,807	
Support Contract Termination	11,133,000	
Mothball / Shutdown	663,120	
Total - Overhead		22,423,927
Moving		
Civilian Moving	3,118,864	
Civilian PPP	2,236,248	
Military Moving	5,901,679	
Freight	1,868,687	
Information Technologies	410,800	
One-Time Moving Costs	11,776,000	
Total - Moving		25,312,278
Other		
HAP / RSE	1,845,246	
Environmental Mitigation Costs	1,150,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		2,995,246
Total One-Time Costs		63,824,573
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	3,619,859	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		3,619,859
Total Net One-Time Costs		60,204,714

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COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 3/7
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Department : USAF
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Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

Base: Dyess AFB, TX (FNWZ)
(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	124,006,000	
Total - Construction		124,006,000
Personnel		
Civilian RIF	172,195	
Civilian Early Retirement	71,934	
Eliminated Military PCS	609,959	
Unemployment	13,353	
Total - Personnel		867,441
Overhead		
Program Management Cost	2,613,265	
Support Contract Termination	0	
Mothball / Shutdown	0	
Total - Overhead		2,613,265
Moving		
Civilian Moving	1,426,988	
Civilian PPP	35,496	
Military Moving	7,302,941	
Freight	1,092,183	
Information Technologies	1,412,400	
One-Time Moving Costs	52,000	
Total - Moving		11,322,009
Other		
HAP / RSE	1,274,146	
Environmental Mitigation Costs	361,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	13,637,000	
Total - Other		15,272,146
Total One-Time Costs		154,080,861
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	3,023,825	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		3,023,825
Total Net One-Time Costs		151,057,036

DCN: 11868

COBRA SUSTAINMENT/RECAP/BOS/HOUSING CHANGE REPORT (COBRA v6.10)
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:55:00 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	1,171	-11,057	-11,057	-11,057	-11,057	-43,058	-13,215
Recap Change	-14,495	-12,960	-12,960	-12,960	-12,960	-12,960	-79,295	-12,960
BOS Change	0	0	-11,512	-11,512	-11,512	-11,512	-46,048	-11,512
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	-14,495	-11,788	-35,529	-35,529	-35,529	-35,529	-168,401	-37,687

Ellsworth AFB, SD (FXBM)

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	0	-12,229	-12,229	-12,229	-12,229	-48,916	-14,387
Recap Change	-14,495	-14,495	-14,495	-14,495	-14,495	-14,495	-86,971	-14,495
BOS Change	0	0	-20,534	-20,534	-20,534	-20,534	-82,135	-20,534
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	-14,495	-14,495	-47,258	-47,258	-47,258	-47,258	-218,022	-49,416

Dyess AFB, TX (FNWZ)

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	807	807	807	807	807	4,038	807
Recap Change	0	1,025	1,025	1,025	1,025	1,025	5,124	1,025
BOS Change	0	0	1,069	1,069	1,069	1,069	4,275	1,069
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	1,832	2,901	2,901	2,901	2,901	13,437	2,901

Elmendorf AFB, AK (FXSB)

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	17	17	17	17	17	87	17
Recap Change	0	149	149	149	149	149	744	149
BOS Change	0	0	1,762	1,762	1,762	1,762	7,047	1,762
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	166	1,928	1,928	1,928	1,928	7,877	1,928

Peterson AFB, CO (TDKA)

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	88	88	88	88	88	443	88
Recap Change	0	119	119	119	119	119	597	119
BOS Change	0	0	3,043	3,043	3,043	3,043	12,171	3,043
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	208	3,251	3,251	3,251	3,251	13,211	3,251

DCN: 11868

COBRA PERSONNEL SUMMARY REPORT (COBRA v6.10) - Page 2
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:54:56 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

PERSONNEL SUMMARY FOR: Ellsworth AFB, SD (FXBM)

BASE POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
329	3,017	7	399

PROGRAMMED INSTALLATION (NON-BRAC) CHANGES FOR: Ellsworth AFB, SD (FXBM)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	-38	0	0	0	0	0	-38
Students	0	0	0	0	0	0	0
Civilians	39	0	0	0	0	0	39
TOTAL	1	0	0	0	0	0	1

BASE POPULATION (Prior to BRAC Action) FOR: Ellsworth AFB, SD (FXBM)

Officers	Enlisted	Students	Civilians
329	2,979	7	438

PERSONNEL REALIGNMENTS:
To Base: Dyess AFB, TX (FNWZ)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	214	0	0	0	214
Enlisted	0	0	1,704	0	0	0	1,704
Students	0	0	7	0	0	0	7
Civilians	0	0	129	0	0	0	129
TOTAL	0	0	2,054	0	0	0	2,054

TOTAL PERSONNEL REALIGNMENTS (Out of Ellsworth AFB, SD (FXBM)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	214	0	0	0	214
Enlisted	0	0	1,704	0	0	0	1,704
Students	0	0	7	0	0	0	7
Civilians	0	0	129	0	0	0	129
TOTAL	0	0	2,054	0	0	0	2,054

SCENARIO POSITION CHANGES FOR: Ellsworth AFB, SD (FXBM)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	-115	0	0	0	-115
Enlisted	0	0	-1,275	0	0	0	-1,275
Civilians	0	0	-309	0	0	0	-309
TOTAL	0	0	-1,699	0	0	0	-1,699

BASE POPULATION (After BRAC Action) FOR: Ellsworth AFB, SD (FXBM)

Officers	Enlisted	Students	Civilians
0	0	0	0

PERSONNEL SUMMARY FOR: Dyess AFB, TX (FNWZ)

BASE POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
669	4,583	3	370

PROGRAMMED INSTALLATION (NON-BRAC) CHANGES FOR: Dyess AFB, TX (FNWZ)

	2006	2007	2008	2009	2010	2011	Total
Officers	8	12	0	0	0	0	20
Enlisted	78	33	0	0	0	0	111
Students	0	0	0	0	0	0	0
Civilians	25	1	-5	0	0	0	21

DCN: 11868

COBRA PERSONNEL SUMMARY REPORT (COBRA v6.10) - Page 5
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:54:57 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

PERSONNEL SUMMARY FOR: Peterson AFB, CO (TDKA)

BASE POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
1,778	2,439	0	2,717

PROGRAMMED INSTALLATION (NON-BRAC) CHANGES FOR: Peterson AFB, CO (TDKA)

	2006	2007	2008	2009	2010	2011	Total
Officers	93	-3	-8	0	-2	2	82
Enlisted	47	-15	-14	0	-8	4	14
Students	0	0	0	0	0	0	0
Civilians	102	14	10	0	-2	1	125
TOTAL	242	-4	-12	0	-12	7	221

BASE POPULATION (Prior to BRAC Action) FOR: Peterson AFB, CO (TDKA)

Officers	Enlisted	Students	Civilians
1,860	2,453	0	2,842

PERSONNEL REALIGNMENTS:
From Base: Dyess AFB, TX (FNWZ)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	33	0	0	0	33
Enlisted	0	0	165	0	0	0	165
Students	0	0	0	0	0	0	0
Civilians	0	0	8	0	0	0	8
TOTAL	0	0	206	0	0	0	206

TOTAL PERSONNEL REALIGNMENTS (Into Peterson AFB, CO (TDKA)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	33	0	0	0	33
Enlisted	0	0	165	0	0	0	165
Students	0	0	0	0	0	0	0
Civilians	0	0	8	0	0	0	8
TOTAL	0	0	206	0	0	0	206

SCENARIO POSITION CHANGES FOR: Peterson AFB, CO (TDKA)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	29	0	0	0	29
Enlisted	0	0	255	0	0	0	255
Civilians	0	0	-27	0	0	0	-27
TOTAL	0	0	257	0	0	0	257

BASE POPULATION (After BRAC Action) FOR: Peterson AFB, CO (TDKA)

Officers	Enlisted	Students	Civilians
1,922	2,873	0	2,823

PERSONNEL SUMMARY FOR: Little Rock AFB, AR (NKAK)

BASE POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
660	4,115	37	677

PROGRAMMED INSTALLATION (NON-BRAC) CHANGES FOR: Little Rock AFB, AR (NKAK)

	2006	2007	2008	2009	2010	2011	Total
Officers	3	-1	-5	0	0	0	-3
Enlisted	135	-49	-16	0	0	0	70
Students	0	0	0	0	0	0	0
Civilians	39	0	-7	0	0	0	32

COBRA PERSONNEL SUMMARY REPORT (COBRA v6.10) - Page 6
Data As Of 5/19/2005 10:54:39 AM, Report Created 5/19/2005 10:54:57 AM

Department : USAF
Scenario File : N:\IEB Files\IEBB\COBRA Team\USAF 0018V3 (200.3)\USAF 0018V3 (200.3).CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth
Std Fctrs File : N:\IEB Files\IEBB\COBRA Team\COBRA 6.10\BRAC2005.SFF

BASE POPULATION (Prior to BRAC Action) FOR: Little Rock AFB, AR (NKAK)

Officers	Enlisted	Students	Civilians
657	4,185	37	709

PERSONNEL REALIGNMENTS:
From Base: Dyess AFB, TX (FNWZ)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	182	0	0	0	182
Enlisted	0	0	912	0	0	0	912
Students	0	0	0	0	0	0	0
Civilians	0	0	44	0	0	0	44
TOTAL	0	0	1,138	0	0	0	1,138

TOTAL PERSONNEL REALIGNMENTS (Into Little Rock AFB, AR (NKAK)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	182	0	0	0	182
Enlisted	0	0	912	0	0	0	912
Students	0	0	0	0	0	0	0
Civilians	0	0	44	0	0	0	44
TOTAL	0	0	1,138	0	0	0	1,138

SCENARIO POSITION CHANGES FOR: Little Rock AFB, AR (NKAK)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	1	0	0	0	1
Civilians	0	0	46	0	0	0	46
TOTAL	0	0	47	0	0	0	47

BASE POPULATION (After BRAC Action) FOR: Little Rock AFB, AR (NKAK)

Officers	Enlisted	Students	Civilians
839	5,098	37	799

PERSONNEL SUMMARY FOR: Francis E. Warren AF, WY (GHLN)

BASE POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
526	2,785	0	588

PROGRAMMED INSTALLATION (NON-BRAC) CHANGES FOR: Francis E. Warren AF, WY (GHLN)

	2006	2007	2008	2009	2010	2011	Total
Officers	3	-1	-5	0	0	0	-3
Enlisted	135	-49	-16	0	0	0	70
Students	0	0	0	0	0	0	0
Civilians	39	0	-7	0	0	0	32
TOTAL	177	-50	-28	0	0	0	99

BASE POPULATION (Prior to BRAC Action) FOR: Francis E. Warren AF, WY (GHLN)

Officers	Enlisted	Students	Civilians
523	2,855	0	620

BASE POPULATION (After BRAC Action) FOR: Francis E. Warren AF, WY (GHLN)

Officers	Enlisted	Students	Civilians
523	2,855	0	620

DCN: 11868

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	1.00
Title	Fuel Hydrant Systems Support Mission Growth
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Check the current fuel hydrant system capability. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. 20% of the score is based upon the best type of fuel hydrant available. 80% of the score is based upon the number of qualified refueling points/outlets. Type of Fuel Hydrant: Check each Fuel System. See OSD question 1 for this data. Ignore those that are not aircraft fueling hydrants. See OSD Question 1, column 2 for this data, where the value is not an 'A'. If any one of them is a Type III, get 100 points. See OSD Question 1, column 3 for this data. Otherwise, If any one of them is a Type I or II, get 75 points. Otherwise, If any one of them is a Type IV or V, get 25 points. Otherwise, get 0 points. Number of Qualified Refueling Points/Outlets: Sum the number of qualified refueling points/outlets. See OSD Question 1, column 6 for this data, but ignore those that are not aircraft fueling hydrants. See OSD Question 1, column 2 for this data, where the value is not an 'A'. Also ignore those that are not Type I, II, III, IV or V. See OSD Question 1, column 3 for this data. If the sum of qualified refueling points/outlets >= 24, get 100 points. Otherwise, if the sum of qualified refueling points/outlets = 0, get 0 points. Otherwise, pro-rate the sum between 0 and 24 on a 0 to 100 scale. Example: There are three refueling facilities. One is a Type I, one a Type IV, and one is a Truck Fill Stand. There are no Type III facilities, so we check for Type I or II. Since there is a Type I, the score for the type of fuel hydrant is 75. There are 3 Type 1 refueling points/outlets, 9 Type IV refueling points/outlets, and 22 Truck Fill Stand refueling points/outlets. The Type 1 and Type IV refueling points/outlets sum to 12, the 22 Truck Fill Stand refueling points/outlets do not count. 12 is halfway between 0 and 24, for a number of qualified refueling points score of 50. (20% of 75) plus (80% of 50) = an overall score of 55.
Source	ACES-RP; existing record drawings or physically verification;

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.03	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.03	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	1.00
Title	Fuel Hydrant Systems Support Mission Growth

Supporting Data

Section		**Question.Field**	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
15	Fuel	1 .	Fuel Systems
15	Fuel	1 . 2	Vehicle or Aircraft ("V" or "A")
15	Fuel	1 . 3	System Type
15	Fuel	1 . 6	Number of Refueling Points/Outlets

DCN: 11868

Formula Sheet for Ellsworth AFB

MCI: Bomber

Formula	8.00
Title	Ramp Area and Serviceability
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Total the square yardage of every serviceable ramp at the installation. See OSD Question 8, column 9 to determine serviceability. (N/A means not serviceable.) See OSD Question 8, column 2 for the square yardage of that ramp. If the total square yards of serviceable ramp is >= 614,000, get 100 points. Otherwise, if the total square yards of serviceable ramp is >= 423,000, get 75 points. Otherwise, if the total square yards of serviceable ramp is >= 141,000, get 25 points. Otherwise, get 0 points. Example: The installation has three ramps, Alpha, Bravo and Charlie. Alpha and Bravo are both fully serviceable and active; Charlie is not serviceable because of major sinkholes that have developed. Alpha has 50,000 square yards, Bravo has 20,000 square yards, and Charlie has 200,000 square yards, for a total of 70,000 serviceable square yards of ramps. This number is between 0 and 141,000, so it falls into the 0 point range.
Source	FLIP; AFCESA Pavement Evaluation/Condition Report/Survey; Existing Record Drawings or Physical Verification; Base Real Property Records

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	3.49	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	3.49	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field		
1	Air/Space Operations	9	.	Runways
1	Air/Space Operations	9	.7	Length
1	Air/Space Operations	9	.8	Width
1	Air/Space Operations	9	.15	Serviceable (5)
28	Real Property	8	.	Ramp/Apron Space
28	Real Property	8	.2	Area
28	Real Property	8	.9	Serviceable (2)

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: Bomber

Formula	9.00
Title	Runway Dimension and Serviceability
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Check the dimension of all serviceable runways that support the installation. Calculate a score for each runway at the installation as follows: If the runway is not serviceable, get 0 points. See OSD Question 9, column 15 for this data. (N/A means not serviceable.) Otherwise, if the runway is < 200' wide, get 0 points. See OSD Question 9, column 8 for this data. (N/A means 0.) Otherwise, if the runway is < 10,000' long, get 0 points. See OSD Question 9, column 7 for this data. (N/A means 0.) Otherwise, if the runway is >= 12,000' long, get 100 points. Otherwise, pro-rate the runway length from 10,000' to 12,000' on a 50 to 100 scale to get the points. The overall score is the highest score received by any one runway. Example: An installation has two runways, Alpha and Bravo. Alpha is 12,000' long, 203' wide, and full of huge holes because it has partially been demolished, so it is not serviceable. Bravo is 11,000' long and 202' wide, plus it is fully serviceable. Runway Alpha scores 0 points because it isn't serviceable. Runway Bravo meets all the specified criteria so it gets some points. 11,000' is halfway between 10,000' and 12,000', so Runway Bravo gets 75 points. Runway Bravo has the highest score for any runway at the installation, so its score of 75 is used for the installation's score.
Source	FLIP; AFCESA Pavement Evaluation/Condition Report/Survey; Existing Record Drawings or Physical Verification; Base Real Property Records

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	5.52	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	5.52	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	19.00
Title	Hangar Capability - Large Aircraft
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Check the facilities to hangar large aircraft. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Total the gross square feet for hangars for each installation. See OSD Question 19, column 5 for this data, but ignore all hangars whose Service Facility Code is not a 1, 2, or 3. See OSD Question 19, column 4 for this data. Also ignore all hangars whose door opening size < 131'. See OSD Question 19, column 6 for this data. Also ignore all hangars whose gross square feet < 6000. See OSD Question 19, column 5 for this data. If the sum above is < 6000 square feet, get 0 points. Otherwise, if the sum above is = the highest score received by any installation, get 100 points. Otherwise, pro-rate the sum above between 6000 and the highest score received by any installation on a 25 to 100 point scale. Example: There are three hangars on the facility that have a Service Facility Code of 1, 2, or 3, and which have door openings >= 131' in width, and which are at least 6,000 gross square feet in size. Those three hangars have a gross square footage of 6,000, 14,000 and 10,000 respectively, for a total of 30,000 gross square feet at that installation. The highest number of gross square feet at any installation using the above formula is 50,000. 30,000 is 65.91% of the way between 6,000 and 50,000, so the score is 65.91.
Source	ACES-RP, Record Drawings, Base Real Property Records; pre-populated from ACES-RP; "Service Facility Condition Code" rated 1 through 6 in accordance with OSD BRAC library

Formula Score	50.33	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.91	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.46	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	1.44	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)
28	Real Property	19 .	Hangars, Maintenance Facilities, and Nose Docks
28	Real Property	19 .4	Service Facility Condition Code
28	Real Property	19 .5	Facility Size (GSF)
28	Real Property	19 .6	Largest Door Opening Width

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	19.00
Title	Hangar Capability - Large Aircraft

DCN: 11868

Formula Sheet for Ellsworth AFB

MCI: Bomber

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance
Criterion	Contingency, Mobilization, Future Forces
Attribute	Growth Potential

Formula

Check the attainment designation classifications of the installation's NAAQS (National Ambient Air Quality Standard) for the following applicable criteria: Attainment, Nonattainment, Nonattainment (Deferred), Maintenance, and Unclassifiable. Identify the amount of the SIP emissions budget for non-attainment and maintenance criteria pollutants, if any, allocated to the installation.

Use the following formula to compute this score:

Multiply the Attainment / Emission Budget Growth Allowance MinA by the Attainment / Emission Budget Growth Allowance *B* for the base score. Add the SIP Score to the base score. If the base score is now over 100, reduce it to 100.

SIP Score:

Sum the Installation SIP Growth Allowance (Tons/Year)" for the following constituents: '001. VOC' and '002. Nox'.
See OSD question 221, column 3 for the Installation SIP Growth Allowance (Tons/Year). See OSD Question 221, column 1 for the constituent.
If the total is > 0, then SIP Score = 20, otherwise it is 0.

Attainment / Emission Budget Growth Allowance MinA and *B*:

Perform the following calculation for each of the specified criteria pollutants and pick the lowest value from them all.

The criteria pollutants are '002. PM10', '004. S02', '005. CO', 007. O3 (8hr)*'. See OSD Question 213, column 1 for this data.

Attainment / Emission Budget Growth Allowance MinA:

If the NAAQS Designation is Attainment, Unclassifiable, Nonattainment (Deferred), Unclassifiable/Attainment, Unclassifiable/Attainment (EAC), Nonattainment-deferred (EAC), Attainment (EAC) or N/A, get 100. See OSD Question 213, column 2 for this data.

Otherwise, if the NAAQS Designation is Maintenance, get 77.778.

Otherwise, if the NAAQS Classification is Marginal, Subpart 1, Moderate, Primary, or Secondary, get 66.667. See OSD Question 213, column 3 for this data.

Otherwise, if the NAAQS Classification is Serious, get 43.5.

Otherwise, if the NAAQS Classification is Severe, Severe-15, or Severe-17, get 25.714.

Otherwise, if the NAAQS Classification is Extreme, get 7.

Otherwise, get 0.

Attainment / Emission Budget Growth Allowance *B*:

If the NAAQS Designation is Attainment, Unclassifiable, Nonattainment (Deferred), Unclassifiable/Attainment, Unclassifiable/Attainment (EAC), Nonattainment-deferred (EAC), Attainment (EAC) or N/A, get 1. See OSD Question 213, column 2 for this data.

Otherwise, if the NAAQS Designation is Maintenance, get .9.

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance

Otherwise, if the NAAQS Classification is Marginal, Subpart 1, Moderate, Primary, or Secondary, get .9. See OSD Question 213, column 3 for this data.

Otherwise, if the NAAQS Classification is Serious, get .8.

Otherwise, if the NAAQS Classification is Severe, Severe-15, or Severe-17, get .7.

Otherwise, if the NAAQS Classification is Extreme, get 1.

Otherwise, get 0.

Example:

The NAAQS Designation for 002. PM10 is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9.
The NAAQS Designation for 004. S02 is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9
The NAAQS Designation for 005. CO is Nonattainment and the NAAQS Classification is Severe, which means 25.714 * .8.
The NAAQS Designation for 007. O3 (8hr)* is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9.

25.714 * .8, which equals 20.5712, is the lowest value, so it becomes the base score.

The Installation SIP Growth Allowance (Tons/Year) for 001. VOC is 0, for 002. Nox it is 1. As the total of these two values is > 0, the SIP Score = 20, which needs to be added to the base score of 20.5712, for a new base score of 40.5712. This is less than 100, so it does not need to be reduced to 100, which makes the final score = 40.5712.

Source	DoD#213: Current Edition of 40 CFR 81; or Federal Register; or Federal Register Citation to EPA's "final rule" approving the area's "maintenance plan" and "redesignation" of the area to "attainment status" DoD#221: State Implementation Plan	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.68	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.68	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance

Supporting Data

Section		**Question.Field**	
12	Environment	213 .	Air Quality Attainment
12	Environment	213 .2	NAAQS Designation
12	Environment	213 .3	NAAQS Classification
12	Environment	221 .	SIP Emissions Budget
12	Environment	221 .1	Criteria Pollutant
12	Environment	221 .3	(b) Installation SIP Growth Allowance

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: Bomber

Formula	1205.10
Title	Buildable Acres for Industrial Operations Growth
Criterion	Contingency, Mobilization, Future Forces
Attribute	Growth Potential
Formula	Identify the number of "buildable," unconstrained, development acres available for industrial operations. Sum the number of suitable acres at the installation. See OSD Question 1205, column 3 for the data. (N/A means 0.) If the number of acres is >= 150, get 100 points. If < 5 acres, get 0 points. Otherwise, pro-rate the number of acres between 5 and 150 on a 0 to 100 point scale. Example: There are three separate tracts of land that are suitable, comprised of 10, 22.5, and 45 acres respectively, for a total of 77.5 acres. 72.5 is halfway between 5 and 150 acres, so the score is 50.
Source	AFI 32-7062, AICUZ Study Base Comprehensive Plan component plans such as Cultural Resource Management Plans, Natural Resource Management Plans and special studies, Base comprehensive plan maps

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.96	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.96	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
4 CE Programming	1205 .	Installation - Unconstrained Development Acreage
4 CE Programming	1205 . 3	Total Unconstrained, Buildable Industrial Operations

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: Bomber

Formula	1205.20
Title	Buildable Acres for Air Operations Growth
Criterion	Contingency, Mobilization, Future Forces
Attribute	Growth Potential
Formula	Buildable acres for air operations growth. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Sum the number of suitable acres at the installation. See OSD Question 1205, column 5 for the data. (N/A means 0.) If the number of acres is >= 150, get 100 points. If < 5 acres, get 0 points. Otherwise, pro-rate the number of acres between 5 and 150 on a 0 to 100 point scale. Example: There are three separate tracts of land that are suitable, comprised of 10, 22.5, and 45 acres respectively, for a total of 77.5 acres. 72.5 is halfway between 5 and 150 acres, so the score is 50.
Source	AFI 32-7062, AICUZ Study Base Comprehensive Plan component plans such as Cultural Resource Management Plans, Natural Resource Management Plans and special studies, Base comprehensive plan maps

Formula Score	21.38	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.96	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.42	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	1.54	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field		
1	Air/Space Operations	9	.	Runways
1	Air/Space Operations	9	.7	Length
1	Air/Space Operations	9	.8	Width
1	Air/Space Operations	9	.15	Serviceable (5)
4	CE Programming	1205	.	Installation - Unconstrained Development Acreage
4	CE Programming	1205	.5	Total Unconstrained, Buildable Airfield Operations/ Maintenance

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	1207.00
Title	Level of Mission Encroachment
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Characterize the level of encroachment for the area in which the installation is located.

There are four categories of acres for this purpose: 65-69, 70-74, 75-79, and 80+. See OSD Question 1208, column 1 for this data.

For each category, compute a category total as follows:

If the total acres in that category = 0, get 0 points. See OSD question 1208, column 5. (N/A means 0.)
Otherwise, compute the ratio of residential acres to the respective total acres. See OSD question 1208, columns 4 for residential acres. (N/A means 0.)

Subtract the 65-69 category total from 1, then multiply the result by 0.13.
Subtract the 70-74 category total from 1, then multiply the result by 0.19.
Subtract the 75-79 category total from 1, then multiply the result by 0.28.
Subtract the 80+ category total from 1, then multiply the result by 0.4.

Add the above 4 amounts together and multiply the result by 100 for the raw total.

Add these points to the raw total as follows:

If the installation purchased "Restrictive Easements" on undeveloped or developed land, add 7 points. See OSD Question 1209, columns 2 and 3 for this data, where a Yes in either qualifies for the 7 points. (N/A means no.)

If the installation confirms "Land Use Controls that Correlate w/ AICUZ-JLUS Recommendation.", add 5 points. See OSD Question 1209, column 5 for this data, where a Yes qualifies for the 5 points. (N/A means no.)

If the installation is in a state that has Mandatory Coordination of Development Proposals or there is a Local Joint Land Use Coordinating Board, add 1 point. See OSD Question 1209, columns 6 or 8 for this data, where a Yes in either qualifies for the 1 point.

The above process can compute a score from 0 to 113.
If the computed score is > 100, it is dropped to 100.

Example:

60-65 Residential acres: 50
60-65 Total acres: 100
70-74 Residential acres: 50
70-74 Total acres: 100
75-79 Residential acres: 50
75-79 Total acres: 100
80+ Residential acres: 50
80+ Total acres: 100

Restrictive Easements = Yes (column 2) and No (column 3)
Land Use Controls ... = N/A
Mandatory Coordination ... = No and No.

```
  ((1 - ( 50 / 100)) * 0.13)
+ ((1 - ( 50 / 100)) * 0.19)
+ ((1 - ( 50 / 100)) * 0.28)
```

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: Bomber

Formula	1207.00	
Title	Level of Mission Encroachment	
	+ ((1 - (50 / 100)) * 0.4) + 7 + 0 + 0 for a score of 7.5 points.	
Source	1207: AFI 32-7063, AFH 32-7084, AICUZ Report, Base Comprehensive Plan F Series maps or D Series as noted in AFI 32-7062 Atch7, local governmental zoning or land use planning authorities; 1208: AFI 32-7063, AICUZ Report, MAJCOM Approved Noise Study; 1209: State legislation, local referendums to purchase lands, zoning ordinance, noise exposure maps, noise control plans, documentation of state purchases of land	
Formula Score	89.72	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.03	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.82	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.21	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
4 CE Programming	1208 .	Installation - Encroachment (2 of 3)
4 CE Programming	1208 .4	Residential
4 CE Programming	1208 .5	Total Acres
4 CE Programming	1209 .	Installation - Encroachment (3 of 3)
4 CE Programming	1209 .2	Purchased Restrictive Easements On Undeveloped Land (1)
4 CE Programming	1209 .3	Purchased Restrictive Easements On Currently Developed Land (2)
4 CE Programming	1209 .5	Land Use Controls that Correlate w/ AICUZ-JLUS Recommendation (4)
4 CE Programming	1209 .6	Mandatory Coordination of Development Proposals (5)
4 CE Programming	1209 .8	Local Joint Land Use Coordination Board (7)

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Formula Sheet for **Ellsworth AFB**

MCI: Bomber

Formula	1214.00
Title	Fuel Dispensing Rate to Support Mobility and Surge
Criterion	Contingency, Mobilization, Future Forces
Attribute	Mobility/Surge
Formula	Check the installation's sustained jet fuel dispensing rate capability. Sum the JP5 and JP8 figures for jet fuel dispensing. See OSD Question 1214, column 4, for both JP5 and JP8. (N/A equals 0.) If the sum is >= 2,500,000 gallons, get 100 points. If the sum is = 0 gallons, get 0 points. Otherwise, pro-rate the sum of gallons between 0 and 2,500,000 on a 0 to 100 point scale. Example: JP5 can handle 500,000 gallons. JP8 can handle 750,000 gallons, for a total of 1,250,000 gallons. 1,250,000 is halfway between 0 and 2,500,000 gallons, for a score of 50.
Source	Base Support Plan as required by AFI 10-404, Attachment 20

Formula Score	63.36	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.64	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.67	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.97	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field		
1	Air/Space Operations	9	.	Runways
1	Air/Space Operations	9	.7	Length
1	Air/Space Operations	9	.8	Width
1	Air/Space Operations	9	.15	Serviceable (5)
15	Fuel	1214	.	POL - Maximum Dispensing Rate
15	Fuel	1214	.1	Jet Fuel Dispensing Rate
15	Fuel	1214	.4	Sustained Jet Fuel Dispensing Rate

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	1231.00
Title	Certified Weapons Storage Area
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Identify if installation has a currently certified Weapons Storage Area. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. If the installation has a currently certified weapons storage area (wsa), get 100 points. See OSD Question 1231, column 1 for this data. (N/A means 0 points.) Otherwise, get 0 points. Example: The base answered 'Yes' to whether they had a currently certified WSA, so the score is 100.
Source	AFMAN 91-201, Explosives Safety Standards; Installation Explosives Site Plan

Formula Score	0.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.03	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.00	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	2.03	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
36	Safety	1231 .	Munitions - Weapons Storage Area
36	Safety	1231 . 1	Answer

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	1232.00
Title	Sufficient Explosives-sited Parking
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	List the number of explosives-sited parking spots by MDS (Mission Design Series). If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Total the number of explosives sited parking spots. See OSD Question 1232, column 2 for this data. (N/A equals 0.) If the total >= 23, get 100 points. Otherwise, if the total >= 12, get 66 points. Otherwise, if the total >= 6, get 33 points. Otherwise, get 0 points. Example: The installation has two listings for explosive sited parking spots, with 5 and 10 respectively, which totals to 15. 15 is between 12 and 23, so the score is 66 points.
Source	AFMAN 91-201, Explosives Safety Standards; Installation Explosives Site Plan

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	3.20	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	3.20	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field		
1	Air/Space Operations	9	.	Runways
1	Air/Space Operations	9	.7	Length
1	Air/Space Operations	9	.8	Width
1	Air/Space Operations	9	.15	Serviceable (5)
36	Safety	1232	.	Munitions - Live Load Area
36	Safety	1232	.2	Number of Sited Parking Spots

DCN: 11868

Formula Sheet for Ellsworth AFB

MCI: Bomber

Formula	1233.00
Title	Sufficient Munitions Storage
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	List maximum explosive capacity for the installation's hazard classification Class 1.1 munitions storage areas, in pounds. Maximum assumes 12 PAA squadrons (JDAM & MK 82). NEW figures determined from NCAA (nuclear consumables annual analysis) fly away requirement considering only 2 squadrons. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Otherwise, total the capacity. See OSD question 1233, column 1 for this data. (N/A means 0.) If the total >= 544,320, get 100 points. Otherwise, if the total >= 396,576, get 75 points. Otherwise, if the total >= 198,288, get 25 points. Otherwise, get 0 points. Example: There are two storage areas, with a capacity of 200,000 each, for a total of 400,000. 400,000 is between 396,576 and 544,320, so the score is 75 points.
Source	AFMAN 91-201, Explosives Safety Standards; Installation Explosives Site Plan.

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.91	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.91	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field		
1	Air/Space Operations	9	.	Runways
1	Air/Space Operations	9	.7	Length
1	Air/Space Operations	9	.8	Width
1	Air/Space Operations	9	.15	Serviceable (5)
36	Safety	1233	.	Munitions - Explosive Capacity w/o Waivers
36	Safety	1233	.1	Hazard Class 1.1

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: Bomber

Formula	1235.00
Title	Installation Pavements Quality
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Identify if the installation pavement for the primary runway can support Bomber aircraft operations.

If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts.

Compute the runway pavement suitability score and the apron pavement suitability score. Each of these is worth 50% of the overall score.

Runway Pavement Suitability:

Find the highest PCN among all the runways. See OSD Question 1235, column 3 for this data. (N/A means 0.) Compute a score for every runway with that PCN and use the highest scoring runway.

Score the runway for runway pavement suitability as follows:

Get the B-52 ACN. See OSD Question 1236, column 3 for the B-52 ACN. (N/A means 0.)
Get the B-1B ACN. See OSD Question 1235, column 8 for the B-1B ACN. (N/A means 0.)

If the PCN is N/A or 0, get 0 points.
Otherwise, if the B-52 ACN divided by the PCN > 0 and <= 1.0, then get 100 points.
Otherwise, if the B-1B ACN divided by the PCN > 0 and <= 1.0, then get 75 points.
Otherwise, if the B-1B ACN divided by the PCN > 0 and <= 1.1, then get 50 points.
Otherwise, get 0 points.

Apron pavement suitability:

Score each apron for pavement quality and choose the highest scoring apron.

Get the B-52 ACN. See OSD Question 1240, column 5 for this data. (N/A means 0.)
Get the B-1B ACN. See OSD Question 1240, column 4 for this data. (N/A means 0.)
If the PCN is 0 or N/A, get 0 points. See OSD Question 1239, column 4 for this data.
Sum the apron pavement square yardage (see OSD Question 1239, column 2, N/A means 0) where the B-52 ACN divided by the PCN > 0 and <= 1.0.
Sum the apron pavement square yardage (see OSD Question 1239, column 2, N/A means 0) where the B-1B ACN divided by the PCN > 0 and <= 1.0.

If the B-52 square yardage >= 409,000, get 100 points.
Otherwise, if the B-1B square yardage >= 283,000, get 75 points.
Otherwise, if the B-1B square yardage >= 141,000, get 50 points.
Otherwise, get 0 points.

Example:

There are 2 runways on the base, but one has the highest runway pavement PCN value, which is 120. The ACN for an B-52 on that runway is 111, 111 divided by 120 is <= 1.0, so the base gets 100 pts for runway pavement suitability. In this case, the B-1B ACN/PCN ratio was a moot point.

There are 2 apron pavements on the base. Apron Alpha has a PCN of 120 and 200,000 square yards of surface. Apron Bravo has a PCN of 85 and 150,000 square yards. The ACN for B-52s on both aprons is 111, and for B-1Bs it is 80.

Apron Alpha's ACN/PCN ratio for B-52s is 111/120, which is less that 1.0. This counts as 200,000 square yards for the B-52. Apron Bravo's ACN/PCN ratio for B-52s is 111/85, which is more than 1.0, so it's square yards aren't counted towards B-52 square yardage. This gives us a total of 200,000 B-52 square yards, which is not greater than 409,000 square yards.

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Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	1235.00
Title	Installation Pavements Quality

Apron Alpha's ACN/PCN ratio for B-1Bs is 80/120, which is less that 1.0. This counts as 200,000 square yards for the B-1B. Apron Bravo's ACN/PCN ratio for B-1Bs is 80/85, which is less than 1.0, so it's 150,000 square yards are also counted towards B-1B square yardage. This gives us a total of 350,000 B-1B square yards, which is greater than 283,000 square yards, which gives us a score of 75 points for apron pavement suitability.

50% of the Runway pavement suitability score of 100 equals 50. 50% of the apron pavement score of 75 equals 37.5. 50 plus 37.5 equals a score of 87.5.

Source	AFCESA Pavement Evaluation Report and Base General Plan; Existing Record Drawings or Physical Verification; Base Real Property Records; FLIP; ASSR	
Formula Score	87.50	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	4.94	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	4.32	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.62	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field		
1	Air/Space Operations	9	.	Runways
1	Air/Space Operations	9	.7	Length
1	Air/Space Operations	9	.8	Width
1	Air/Space Operations	9	.15	Serviceable (5)
37	Airfield Pavements	1235	.	Airfield Pavements - Runway (1 of 2)
37	Airfield Pavements	1235	.3	Controlling Feature PCN
37	Airfield Pavements	1236	.	Airfield Pavements - Runway (2 of 2)
37	Airfield Pavements	1236	.3	ACN for B-52 at 488 Kips
37	Airfield Pavements	1239	.	Airfield Pavements - Aprons (1 of 2)
37	Airfield Pavements	1239	.2	Total Size of Primary Facility (2)
37	Airfield Pavements	1239	.4	Predominant Feature PCN (4)
37	Airfield Pavements	1240	.	Airfield Pavements - Aprons (2 of 2)
37	Airfield Pavements	1240	.4	ACN for B-1B at 477 Kips
37	Airfield Pavements	1240	.5	ACN for B-52 at 488 Kips

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	1241.00
Title	Ability to Support Large-Scale Mobility Deployment
Criterion	Contingency, Mobilization, Future Forces
Attribute	Mobility/Surge
Formula	State installation's parking MOG for C-17 equivalents using surveyed/approved transient parking ramps. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Find the total number of C-17 MOGs. See OSD Question 1241, column 1 for this data. If the total is >= 6, get 100 points. Otherwise, if the total is >= 4, get 75 points. Otherwise, if the total is >= 2, get 25 points. Otherwise, get 0 points. Example: There are a total of 3 C-17 MOGs. 3 is between 2 and 4, so the score is 25 points.
Source	ASR (Airfield Suitability Report)

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.76	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.76	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field		
1	Air/Space Operations	9	.	Runways
1	Air/Space Operations	9	.7	Length
1	Air/Space Operations	9	.8	Width
1	Air/Space Operations	9	.15	Serviceable (5)
39	Airfield Management	1241	.	Ramp - Transient Capability
39	Airfield Management	1241	.1	C-17 MOG

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	1242.00
Title	ATC Restrictions to Operations
Criterion	Current / Future Mission
Attribute	Operating Environment
Formula	List the percentage of installation departures delayed by Air Traffic Control. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Check the Delayed Departures Percentage. See OSD question 1242, column 5 for this data. If the percentage delayed = 0, get 100 points. Otherwise, if the percentage delayed is >= 3%, get 0 points. Otherwise, pro-rate the percentage delayed between 0 to 3% on a 100 to 0 point scale. Example: The departure percentage delayed is 1%. 1% is one third of the way between 0 and 3%, so the score is 66.67 points.
Source	CAMS (Computerized Aircraft Maintenance System)/ G081

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	5.52	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	5.52	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)
39	Airfield Management	1242 .	Air Operations - Departure Delays
39	Airfield Management	1242 .5	Precentage Delayed for ATC

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	1245.00
Title	Proximity to Airspace Supporting Mission (ASM)
Criterion	Current / Future Mission
Attribute	Geo-locational Factors
Formula	If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. All airspace over 300 Nautical Miles (NM) away will be ignored. See OSD # 1245, column 2. (N/A means more than 300 NM.) Data is in OSD #s 1266, 1245 and 1274 must be matched via column 1 in each question. Calculate each of the subcategories scores listed below, and weight as listed. 15% Airspace Volume (AV) 15% Operating Hours (OH) 10% Scoreable Range (SR) 11.25% Air to Ground Weapons Delivery (AGWD) 3.75% Live Ordnance (LO) 5% IMC Weapon Release (IW) 10% Electronic Combat (EC) 10% Laser Use Auth. (LU) 10% Lights Out Capable (LC) 5% Flare Auth. (FA) 5% Chaff Auth. (CA) Each of the subcategories use the following general pattern for calculating them: Check the corresponding subcategory in formula #1266. If it would get 0 points for that subcategory, get 0 points here also. Otherwise, Compute a raw total for the subcategory for the base according to this formula: For each airspace: If the distance to the airspace is > 300 miles, get 0 points. Otherwise, if the distance to the airspace = 300 miles, get 10 points. Otherwise, if the distance to the airspace = 100 miles, get 100 points. Otherwise, pro-rate the distance to the airspace from 100 miles to 300 miles on a 100 to 10 point scale. Once you have a base raw subcategory total, find the highest, and the lowest, non-zero raw total for the subcategory across all bases. If the raw total = 0, that subcategory score = 0. Else, if the raw total = the highest raw total, the subcategory score = 100. Else, if the raw total = the lowest, non-zero raw total, the subcategory score = 10. Else, pro-rate the raw total between the lowest non-zero raw total and the highest raw total on a 10 to 100 scale. Once each score for each subcategory is known, multiply them by their respective weighting percentage and total the results for the overall score. The overall mechanism is very similar to that of formula #1266.
Source	FLIP AP-1A; IFR Supp; Falcon View or other certified flight planning software

Formula Score	11.33	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	20.24	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.29	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	17.95	The difference between Max Points and Earned Points.

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	1245.00
Title	Proximity to Airspace Supporting Mission (ASM)

Supporting Data

Section		Question.Field		
1	Air/Space Operations	9	.	Runways
1	Air/Space Operations	9	.7	Length
1	Air/Space Operations	9	.8	Width
1	Air/Space Operations	9	.15	Serviceable (5)
1	Air/Space Operations	1245	.	Airspace - Distance to Airspace
1	Air/Space Operations	1245	.1	Airspace/Route Designator
1	Air/Space Operations	1245	.2	Distance to Airspace/Route
2	Army Operations	1274	.	Airspace Attributes - Ranges (2 of 2)
2	Army Operations	1274	.2	Airspace Volume: at least 2,100NM cubed; altitude block >=20,000'
2	Army Operations	1274	.3	Flare
2	Army Operations	1274	.4	Chaff
2	Army Operations	1274	.5	Live Ordnance
27	Ranges	1266	.	Airspace Attributes - Ranges (1 of 2)
27	Ranges	1266	.3	Scoreable range complexes/target array
27	Ranges	1266	.4	Air to Ground Weapons Delivery
27	Ranges	1266	.5	Low Angle Strafe Authorized
27	Ranges	1266	.6	IMC weapons release
27	Ranges	1266	.7	Electronic Combat
27	Ranges	1266	.8	Laser Use Authorized
27	Ranges	1266	.9	Lights-Out Capable

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Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	1246.00
Title	Proximity to Low Level Routes Supporting Mission
Criterion	Current / Future Mission
Attribute	Geo-locational Factors
Formula	Check the distance to all Airspace for Special Use (IR/VR routes) within 300NM radius of the installation. If installation has no runway or active runway, or no serviceable, suitable runway then score 0 pts. For a list of routes, see OSD Question 1246. The type of route can be found in column 1. Entry point distances are found in column 2. Exit point distances are found in column 3. For distances, N/A means 0 points. IR Entry points, IR Exit points, VR Entry points and VR Exit points are each worth 25% of the score. (.25 * "IR Entry") + (.25 * "IR Exit") + (.25 * "VR Entry") + (.25 * "VR Exit") Entry and Exit Point: Within each of the above four categories, award each route points as follows: If the distance = N/A, get 0 points. Otherwise, the distance is <= 100 Nautical Miles (NM), get 100 points. Otherwise, if the distance is = 300 NM, get 10 points. Otherwise, pro-rate the distance between 100 NM and 300 NM on a 100 to 10 point scale. Total the number of points received above for each base for each of the above four categories. Get the highest base score in each of the above four categories. Get the lowest, non-zero score in each of the above four categories. If the installation's score for one of the above categories = 0, it remains 0. Otherwise, if the installation's score for one of the above categories = the highest score in its respective category, get 100 points. Otherwise, if the installation's score for one of the above categories = the lowest non-zero score in its respective category, get 10 points. Otherwise, pro-rate the installation's score between the lowest non-zero and highest score in its respective category on a 10 to 100 point scale. Example: Two IR routes and 1 VR route. IR Route Alpha has an entry point 35 miles away and an exit point 200 miles away. IR Route Bravo has an entry point 300 miles away and an exit point 310 miles away. Alpha's entry point is within 100 miles, so its IR Entry amount is 100 points. The exit point 200 miles distant is 50 percent of the way between 100 and 300 miles, so its IR Exit point amount is 55 points. Bravo's entry point is 300 miles away, so its IR Entry amount is 10 points. The exit point is 310 miles away, so its amount is 0 points. The IR Entry total for these two routes is 100 + 10 for 110 points. The total IR Exit total for these two routes is 55 + 0 for 55 points. The highest IR Entry total for any base is 165 and the lowest non-zero IR Entry total for any base is 30. The highest IR Exit total for any base is 105 and the lowest non-zero IR Exit total for any base is 5.

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Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	1246.00
Title	Proximity to Low Level Routes Supporting Mission

So, this base's IR Entry score is 100, because 165 is equal to the highest score of any base.
Pro-rating the IR Exit total of 55 between 5 and 105 on a 10 to 100 point scale gives this base an IR Exit score of 55.

VR Route Charlie has an entry point 40 miles away and an exit point 45 miles away.

Both the entry and exit point are within 100 miles, so both the VR Entry and VR Exit category amounts get 100 points.
As there is only one VR route, that makes the VR route totals the same, 100 points each.

The highest VR Entry total for any base is 300 and the lowest non-zero VR Entry total for any base is 50 points.
Ditto for the VR Exit totals.

So, this base's VR Entry score of 100 is pro-rated between 50 and 300 on a 10 to 100 scale. Since 100 is 20% of the way from 50 to 300, the VR Entry score is 28 points.
Ditto for the VR Exit totals.

By applying the 25% weighting to each of the four category scores, in IR Entry, IR Exit, VR Entry and VR Exit order, we get the overall score:

(.25 • 100) + (.25 * 55) + (.25 * 28) + (.25 * 28), for an overall score of 52.75 points.

Source	FLIP AP-1B; IFR Supp; Falcon View or other certified flight planning software	
Formula Score	20.96	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	16.56	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	3.47	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	13.09	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field		
1	Air/Space Operations	9	.	Runways
1	Air/Space Operations	9	.7	Length
1	Air/Space Operations	9	.8	Width
1	Air/Space Operations	9	.15	Serviceable (5)
1	Air/Space Operations	1246	.	Airspace - Distance to Routes
1	Air/Space Operations	1246	.1	Route Designator

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Formula Sheet for Ellsworth AFB

MCI: Bomber

Formula	1250.00
Title	Area Cost Factor
Criterion	Cost of Ops / Manpower
Attribute	Cost Factors
Formula	Evaluate the Area Cost Factor for each installation. Find the lowest area cost factor listed for that installation. See OSD question 1250, column 2 for this data. If the area cost factor <= 0.78, get 100 points. Otherwise, if the area cost factor >= 1.42, get 0 points. Otherwise, pro-rate the area cost factor between 0.78 and 1.42, on a 100 to 0 point scale. Example: The lowest area cost factor for the base is 1.3. 1.3 is 81.25% of the way between 0.78 and 1.42, so the score is 18.75 points.
Source	DoD Facilities Pricing Guide, Table B, March 2004

Formula Score	76.56	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.25	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.96	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.29	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
4 CE Programming	1250 .	Area Cost Factor
4 CE Programming	1250 . 2	Area Cost Factor

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	1266.00
Title	Range Complex (RC) Supports Mission
Criterion	Condition of Infrastructure
Attribute	Operating Areas
Formula	If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. All airspace over 300 Nautical Miles (NM) away will be ignored. See OSD # 1245, column 2. (N/A means more than 300 NM.) Data is in OSD #s 1266, 1245 and 1274 must be matched via column 1 in each question. Calculate each of the subcategories scores listed below, and weight as listed. 15% Airspace Volume (AV) 15% Operating Hours (OH) 10% Scoreable Range (SR) 11.25% Air to Ground Weapons Delivery (AGWD) 3.75% Live Ordnance (LO) 5% IMC Weapon Release (IW) 10% Electronic Combat (EC) 10% Laser Use Auth. (LU) 10% Lights Out Capable (LC) 5% Flare Auth. (FA) 5% Chaff Auth. (CA) Each of the subcategories use the following general pattern for calculating them: Compute a raw total for the base by following the instructions for the respective subcategory total. Find the highest, and the lowest, non-zero raw total for the subcategory across all bases. If the raw total = 0, that subcategory score = 0. Else, if the raw total = the highest raw total, the subcategory score = 100. Else, if the raw total = the lowest, non-zero raw total, the subcategory score = 10. Else, pro-rate the raw total between the lowest non-zero score and the highest score on a 10 to 100 scale. Once each score for each subcategory is known, multiply them by their respective weighting percentage and total the results for the overall score. AV Raw Total: Get AV for the pts. See OSD # 1277, column 1. (N/A means 0.) OH Raw Total: Sum the pts for each airspace: If the OH < 1 or = N/A, get 0 pts. See OSD # 1266, column 2. Else, if the OH = 1 or IMTMT or INTMT, get 10 pts. Else, if the OH = 24 or NOTAM, get 100 pts. Else, pro-rate the OH between 0 and 24 on a 10 to 100 point scale. SR Raw Total: Sum the pts for each airspace: If the SR = Yes, get 100 pts. See OSD # 1266, column.3. Else, get 0 pts. AGWD Raw Total: Sum the pts for each airspace: If the AGWD = Yes, get 100 pts. See OSD # 1266 column 4.

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Formula Sheet for **Ellsworth AFB**

MCI: **Bomber**

Formula	1266.00
Title	Range Complex (RC) Supports Mission

Else, get 0 pts.

LO Raw Total:

Sum the pts for each airspace:
If LO = Yes, get 100 pts. See OSD # 1274, column 5.
Else, get 0 pts.

IW Raw Total:

Sum the pts for each airspace:
If IW = Yes, get 100 pts. See OSD # 1266, column 6.
Else, get 0 pts.

EC Raw Total:

Sum the pts for each airspace:
If EC = Yes, get 100 pts. See OSD # 1266, column.7.
Else, get 0 pts.

LU Raw Total:

Sum the pts for each airspace:
If LU = Yes, get 100 pts. See OSD # 1266, column 8.
Else, get 0 pts.

LC Raw Total

Sum the pts for each airspace:
If LC = Yes, get 100 pts. See OSD # 1266, column 9.
Else, get 0 pts.

FA Raw Total

Sum the pts for each airspace:
If FA = Yes, get 100 pts. See OSD # 1274, column 3.
Else, get 0 pts.

CA Raw Total

Sum the pts for each airspace:
If CA = Yes, get 100 pts. See OSD # 1274, column 4.
Else, get 0 pts.

Example:

AV = 20,000, get 20,000 pts, 10 pts.

There are two airspaces within 300 NM, and they both have these characteristics (which means their raw totals will be double the number of pts listed) followed by the lowest non-zero and highest raw totals across all bases and subcategory scores.

OH = NOTAM, get 100 pts; 20,000 to 150,000 pts; 10
SR = Yes, get 100 pts; 200 to 500 pts; 10.

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Formula Sheets

Helpful Hints for Use

This report shows the formula information presented in Part 2 of the Department of the Air Force Analysis and Recommendations BRAC 2005, Volume V, plus the individual scores for each formula for the selected base.

Each page covers one formula for one MCI for one base. The pages are in alphabetical order, by MCI. Within each set of pages for a base, each formula is presented in formula number order.

To quickly find the pages for any MCI, use the Edit-> Find menu option and enter the MCI name. All the pages for that MCI will be together. To then quickly find the pages for any Formula for that base, use the Edit-> Find menu option again to search for that formula's number.

Formula Sheet for Ellsworth AFB

MCI: Airlift

Formula	1.00	
Title	Fuel Hydrant Systems Support Mission Growth	
Criterion	Condition of Infrastructure	
Attribute	Key Mission Infrastructure	
Formula	Check the current fuel hydrant system capability. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. 20% of the score is based upon the best type of fuel hydrant available. 80% of the score is based upon the number of qualified refueling points/outlets. Type of Fuel Hydrant: Check each Fuel System. See OSD question 1 for this data. Ignore those that are not aircraft fueling hydrants. See OSD Question 1, column 2 for this data, where the value is not an 'A'. If any one of them is a Type III, get 100 points. See OSD Question 1, column 3 for this data. Otherwise, If any one of them is a Type I or II, get 75 points. Otherwise, If any one of them is a Type IV or V, get 25 points. Otherwise, get 0 points. Number of Qualified Refueling Points/Outlets: Sum the number of qualified refueling points/outlets. See OSD Question 1, column 6 for this data, but ignore those that are not aircraft fueling hydrants. See OSD Question 1, column 2 for this data, where the value is not an 'A'. Also ignore those that are not Type I, II, III, IV or V. See OSD Question 1, column 3 for this data. If the sum of qualified refueling points/outlets >= 24, get 100 points. Otherwise, if the sum of qualified refueling points/outlets = 0, get 0 points. Otherwise, pro-rate the sum between 0 and 24 on a 0 to 100 scale. Example: There are three refueling facilities. One is a Type I, one a Type IV, and one is a Truck Fill Stand. There are no Type III facilities, so we check for Type I or II. Since there is a Type I, the score for the type of fuel hydrant is 75. There are 3 Type 1 refueling points/outlets, 9 Type IV refueling points/outlets, and 22 Truck Fill Stand refueling points/outlets. The Type 1 and Type IV refueling points/outlets sum to 12, the 22 Truck Fill Stand refueling points/outlets do not count. 12 is halfway between 0 and 24, for a number of qualified refueling points score of 50. (20% of 75) plus (80% of 50) = an overall score of 55.	
Source	ACES-RP; existing record drawings or physically verification;	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	4.32	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	4.32	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

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Formula Sheet for Ellsworth AFB

MCI: Airlift

Formula	1.00
Title	Fuel Hydrant Systems Support Mission Growth

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
15	Fuel	1 .	Fuel Systems
15	Fuel	1 . 2	Vehicle or Aircraft ("V" or "A")
15	Fuel	1 . 3	System Type
15	Fuel	1 . 6	Number of Refueling Points/Outlets

Formula Sheet for Ellsworth AFB

MCI: Airlift

Formula	8.00
Title	Ramp Area and Serviceability
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Total the square yardage of every serviceable ramp at the installation. See OSD Question 8, column 9 to determine serviceability. (N/A means not serviceable.) See OSD Question 8, column 2 for the square yardage of that ramp. If the total square yards of serviceable ramp is >= 1,040,000, get 100 points. Otherwise, if the total square yards of serviceable ramp is >= 416,000, get 75 points. Otherwise, if the total square yards of serviceable ramp is >= 137,000, get 25 points. Otherwise, get 0 points. Example: The installation has three ramps, Alpha, Bravo and Charlie. Alpha and Bravo are both fully serviceable and active; Charlie is not serviceable because of major sinkholes that have developed. Alpha has 50,000 square yards, Bravo has 20,000 square yards, and Charlie has 200,000 square yards, for a total of 70,000 serviceable square yards of ramps. This number is between 0 and 137,000, so it falls into the 0 point range.
Source	FLIP; AFCESA Pavement Evaluation/Condition Report/Survey; Existing Record Drawings or Physical Verification; Base Real Property Records
Formula Score	75.00 — This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	5.98 — This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	4.48 — This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	1.49 — The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
28	Real Property	8 .	Ramp/Apron Space
28	Real Property	8 . 2	Area
28	Real Property	8 . 9	Serviceable (2)

DCN: 11868

Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	9.00
Title	Runway Dimension and Serviceability
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Check the dimension of all serviceable runways that support the installation. Calculate a score for each runway at the installation as follows: If the runway is not serviceable, get 0 points. See OSD Question 9, column 15 for this data. (N/A means not serviceable.) Otherwise, if the runway is < 150' wide, get 0 points. See OSD Question 9, column 8 for this data. (N/A means 0.) Otherwise, if the runway is < 7,000' long, get 0 points. See OSD Question 9, column 7 for this data. (N/A means 0.) Otherwise, if the runway is >= 11,000' long, get 100 points. Otherwise, pro-rate the runway length from 7,000' to 11,000' on a 50 to 100 scale to get the points. The overall score is the highest score received by any one runway. Example: An installation has two runways, Alpha and Bravo. Alpha is 12,000' long, 160' wide, and full of huge holes because it has partially been demolished, so it is not serviceable. Bravo is 9,000' long and 152' wide, plus it is fully serviceable. Runway Alpha scores 0 points because it isn't serviceable. Runway Bravo meets all the specified criteria so it gets some points. 9,000' is halfway between 7,000' and 11,000', so Runway Bravo gets 75 points. Runway Bravo has the highest score for any runway at the installation, so its score of 75 is used for the installation's score.
Source	FLIP; AFCESA Pavement Evaluation/Condition Report/Survey; Existing Record Drawings or Physical Verification; Base Real Property Records
Formula Score	100.00 — This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	5.98 — This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	5.98 — This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00 — The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)

Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	19.00
Title	Hangar Capability - Large Aircraft
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Check the facilities to hangar large aircraft. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Total the gross square feet for hangars for each installation. See OSD Question 19, column 5 for this data, but ignore all hangars whose Service Facility Code is not a 1, 2, or 3. See OSD Question 19, column 4 for this data. Also ignore all hangars whose door opening size < 131'. See OSD Question 19, column 6 for this data. Also ignore all hangars whose gross square feet < 6000. See OSD Question 19, column 5 for this data. If the sum above is < 6000 square feet, get 0 points. Otherwise, if the sum above is = the highest score received by any installation, get 100 points. Otherwise, pro-rate the sum above between 6000 and the highest score received by any installation on a 25 to 100 point scale. Example: There are three hangars on the facility that have a Service Facility Code of 1, 2, or 3, and which have door openings >= 131' in width, and which are at least 6,000 gross square feet in size. Those three hangars have a gross square footage of 6,000, 14,000 and 10,000 respectively, for a total of 30,000 gross square feet at that installation. The highest number of gross square feet at any installation using the above formula is 50,000. 30,000 is 65.91% of the way between 6,000 and 50,000, so the score is 65.91.
Source	ACES-RP, Record Drawings, Base Real Property Records; pre-populated from ACES-RP; "Service Facility Condition Code" rated 1 through 6 in accordance with OSD BRAC library
Formula Score	50.33 — This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	3.32 — This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.67 — This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	1.65 — The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
28	Real Property	19 .	Hangars, Maintenance Facilities, and Nose Docks
28	Real Property	19 . 4	Service Facility Condition Code
28	Real Property	19 . 5	Facility Size (GSF)
28	Real Property	19 . 6	Largest Door Opening Width

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Formula Sheet for Ellsworth AFB

MCI: Airlift

Formula	19.00
Title	Hangar Capability - Large Aircraft

Formula Sheet for Ellsworth AFB

MCI: Airlift

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance
Criterion	Contingency, Mobilization, Future Forces
Attribute	Growth Potential
Formula	Check the attainment designation classifications of the installation's NAAQS (National Ambient Air Quality Standard) for the following applicable criteria: Attainment, Nonattainment, Nonattainment (Deferred), Maintenance, and Unclassifiable. Identify the amount of the SIP emissions budget for non-attainment and maintenance criteria pollutants, if any, allocated to the installation. Use the following formula to compute this score: Multiply the Attainment / Emission Budget Growth Allowance MinA by the Attainment / Emission Budget Growth Allowance "B" for the base score. Add the SIP Score to the base score. If the base score is now over 100, reduce it to 100. SIP Score: Sum the Installation SIP Growth Allowance (Tons/Year)" for the following constituents: '001. VOC' and '002. Nox'. See OSD question 221, column 3 for the Installation SIP Growth Allowance (Tons/Year). See OSD Question 221, column 1 for the constituent. If the total is > 0, then SIP Score = 20, otherwise it is 0. Attainment / Emission Budget Growth Allowance MinA and "B": Perform the following calculation for each of the specified criteria pollutants and pick the lowest value from them all. The criteria pollutants are '002. PM10', '004. S02', '005. CO', 007. O3 (8hr)". See OSD Question 213, column 1 for this data. Attainment / Emission Budget Growth Allowance MinA: If the NAAQS Designation is Attainment, Unclassifiable, Nonattainment (Deferred), Unclassifiable/Attainment, Unclassifiable/Attainment (EAC), Nonattainment-deferred (EAC), Attainment (EAC) or N/A, get 100. See OSD Question 213, column 2 for this data. Otherwise, if the NAAQS Designation is Maintenance, get 77.778. Otherwise, if the NAAQS Classification is Marginal, Subpart 1, Moderate, Primary, or Secondary, get 66.667. See OSD Question 213, column 3 for this data. Otherwise, if the NAAQS Classification is Serious, get 43.5. Otherwise, if the NAAQS Classification is Severe, Severe-15, or Severe-17, get 25.714. Otherwise, if the NAAQS Classification is Extreme, get 7. Otherwise, get 0. Attainment / Emission Budget Growth Allowance "B": If the NAAQS Designation is Attainment, Unclassifiable, Nonattainment (Deferred), Unclassifiable/Attainment, Unclassifiable/Attainment (EAC), Nonattainment-deferred (EAC), Attainment (EAC) or N/A, get 1. See OSD Question 213, column 2 for this data. Otherwise, if the NAAQS Designation is Maintenance, get .9.

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Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance

Otherwise, if the NAAQS Classification is Marginal, Subpart 1, Moderate, Primary, or Secondary, get .9. See OSD Question 213, column 3 for this data.

Otherwise, if the NAAQS Classification is Serious, get .8.

Otherwise, if the NAAQS Classification is Severe, Severe-15, or Severe-17, get .7.

Otherwise, if the NAAQS Classification is Extreme, get 1.

Otherwise, get 0.

Example:

The NAAQS Designation for 002. PM10 is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9.
The NAAQS Designation for 004. S02 is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9
The NAAQS Designation for 005. CO is Nonattainment and the NAAQS Classification is Severe, which means 25.714 * .8.
The NAAQS Designation for 007. O3 (8hr)* is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9.

25.714 * .8, which equals 20.5712, is the lowest value, so it becomes the base score.

The Installation SIP Growth Allowance (Tons/Year) for 001. VOC is 0, for 002. Nox it is 1. As the total of these two values is > 0, the SIP Score = 20, which needs to be added to the base score of 20.5712, for a new base score of 40.5712. This is less than 100, so it does not need to be reduced to 100, which makes the final score = 40.5712.

Source	DoD#213: Current Edition of 40 CFR 81; or Federal Register; or Federal Register Citation to EPA's "final rule" approving the area's "maintenance plan" and "redesignation" of the area to "attainment status" DoD#221: State Implementation Plan	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.68	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.68	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance

Supporting Data

Section		Question.Field	
12	Environment	213 .	Air Quality Attainment
12	Environment	213 .2	NAAQS Designation
12	Environment	213 .3	NAAQS Classification
12	Environment	221 .	SIP Emissions Budget
12	Environment	221 .1	Criteria Pollutant
12	Environment	221 .3	(b) Installation SIP Growth Allowance

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Formula Sheet for **Ellsworth AFB**

MCI: Airlift

Formula	1205.10	
Title	Buildable Acres for Industrial Operations Growth	
Criterion	Contingency, Mobilization, Future Forces	
Attribute	Growth Potential	
Formula	Identify the number of "buildable," unconstrained, development acres available for industrial operations. Sum the number of suitable acres at the installation. See OSD Question 1205, column 3 for the data. (N/A means 0.) If the number of acres is >= 150, get 100 points. If < 5 acres, get 0 points. Otherwise, pro-rate the number of acres between 5 and 150 on a 0 to 100 point scale. Example: There are three separate tracts of land that are suitable, comprised of 10, 22.5, and 45 acres respectively, for a total of 77.5 acres. 72.5 is halfway between 5 and 150 acres, so the score is 50.	
Source	AFI 32-7062, AICUZ Study Base Comprehensive Plan component plans such as Cultural Resource Management Plans, Natural Resource Management Plans and special studies, Base comprehensive plan maps	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.96	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.96	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
4	CE Programming	1205 .	Installation - Unconstrained Development Acreage
4	CE Programming	1205 . 3	Total Unconstrained, Buildable Industrial Operations

Formula Sheet for **Ellsworth AFB**

MCI: Airlift

Formula	1205.20	
Title	Buildable Acres for Air Operations Growth	
Criterion	Contingency, Mobilization, Future Forces	
Attribute	Growth Potential	
Formula	Buildable acres for air operations growth. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Sum the number of suitable acres at the installation. See OSD Question 1205, column 5 for the data. (N/A means 0.) If the number of acres is >= 150, get 100 points. If < 5 acres, get 0 points. Otherwise, pro-rate the number of acres between 5 and 150 on a 0 to 100 point scale. Example: There are three separate tracts of land that are suitable, comprised of 10, 22.5, and 45 acres respectively, for a total of 77.5 acres. 72.5 is halfway between 5 and 150 acres, so the score is 50.	
Source	AFI 32-7062, AICUZ Study Base Comprehensive Plan component plans such as Cultural Resource Management Plans, Natural Resource Management Plans and special studies, Base comprehensive plan maps	
Formula Score	21.38	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.96	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.42	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	1.54	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
4	CE Programming	1205 .	Installation - Unconstrained Development Acreage
4	CE Programming	1205 . 5	Total Unconstrained, Buildable Airfield Operations/ Maintenance

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Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	1207.00
Title	Level of Mission Encroachment
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Characterize the level of encroachment for the area in which the installation is located. There are four categories of acres for this purpose: 65-69, 70-74, 75-79, and 80+. See OSD Question 1208, column 1 for this data. For each category, compute a category total as follows: If the total acres in that category = 0, get 0 points. See OSD question 1208, column 5. (N/A means 0.) Otherwise, compute the ratio of residential acres to the respective total acres. See OSD question 1208, columns 4 for residential acres. (N/A means 0.) Subtract the 65-69 category total from 1, then multiply the result by 0.13. Subtract the 70-74 category total from 1, then multiply the result by 0.19. Subtract the 75-79 category total from 1, then multiply the result by 0.28. Subtract the 80+ category total from 1, then multiply the result by 0.4. Add the above 4 amounts together and multiply the result by 100 for the raw total. Add these points to the raw total as follows: If the installation purchased "Restrictive Easements" on undeveloped or developed land, add 7 points. See OSD Question 1209, columns 2 and 3 for this data, where a Yes in either qualifies for the 7 points. (N/A means no.) If the installation confirms "Land Use Controls that Correlate w/ AICUZ-JLUS Recommendation.", add 5 points. See OSD Question 1209, column 5 for this data, where a Yes qualifies for the 5 points. (N/A means no.) If the installation is in a state that has Mandatory Coordination of Development Proposals or there is a Local Joint Land Use Coordinating Board, add 1 point. See OSD Question 1209, columns 6 or 8 for this data, where a Yes in either qualifies for the 1 point. The above process can compute a score from 0 to 113. If the computed score is > 100, it is dropped to 100. Example: 60-65 Residential acres: 50 60-65 Total acres: 100 70-74 Residential acres: 50 70-74 Total acres: 100 75-79 Residential acres: 50 75-79 Total acres: 100 80+ Residential acres: 50 80+ Total acres: 100 Restrictive Easements = Yes (column 2) and No (column 3) Land Use Controls ... = N/A Mandatory Coordination ... = No and No. ((1 - (50 / 100)) * 0.13) + ((1 - (50 / 100)) * 0.19) + ((1 - (50 / 100)) * 0.28)

Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	1207.00	
Title	Level of Mission Encroachment	
	+ ((1 - (50 / 100)) * 0.4) + 7 + 0 + 0 for a score of 7.5 points.	
Source	1207: AFI 32-7063, AFH 32-7084, AICUZ Report, Base Comprehensive Plan F Series maps or D Series as noted in AFI 32-7062 Atch7, local governmental zoning or land use planning authorities; 1208: AFI 32-7063, AICUZ Report, MAJCOM Approved Noise Study; 1209: State legislation, local referendums to purchase lands, zoning ordinance, noise exposure maps, noise control plans, documentation of state purchases of land	
Formula Score	89.72	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.66	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.49	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.17	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
4	CE Programming	1208 .	Installation - Encroachment (2 of 3)
4	CE Programming	1208 .4	Residential
4	CE Programming	1208 .5	Total Acres
4	CE Programming	1209 .	Installation - Encroachment (3 of 3)
4	CE Programming	1209 .2	Purchased Restrictive Easements On Undeveloped Land (1)
4	CE Programming	1209 .3	Purchased Restrictive Easements On Currently Developed Land (2)
4	CE Programming	1209 .5	Land Use Controls that Correlate w/ AICUZ-JLUS Recommendation (4)
4	CE Programming	1209 .6	Mandatory Coordination of Development Proposals (5)
4	CE Programming	1209 .8	Local Joint Land Use Coordination Board (7)

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Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	1214.00
Title	Fuel Dispensing Rate to Support Mobility and Surge
Criterion	Contingency, Mobilization, Future Forces
Attribute	Mobility/Surge
Formula	Check the installation's sustained jet fuel dispensing rate capability. Sum the JP5 and JP8 figures for jet fuel dispensing. See OSD Question 1214, column 4, for both JP5 and JP8. (N/A equals 0.) If the sum is >= 2,500,000 gallons, get 100 points. If the sum is = 0 gallons, get 0 points. Otherwise, pro-rate the sum of gallons between 0 and 2,500,000 on a 0 to 100 point scale. Example: JP5 can handle 500,000 gallons. JP8 can handle 750,000 gallons, for a total of 1,250,000 gallons. 1,250,000 is halfway between 0 and 2,500,000 gallons, for a score of 50.
Source	Base Support Plan as required by AFI 10-404, Attachment 20

Formula Score	63.36	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.20	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.39	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.81	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
15	Fuel	1214 .	POL - Maximum Dispensing Rate
15	Fuel	1214 . 1	Jet Fuel Dispensing Rate
15	Fuel	1214 . 4	Sustained Jet Fuel Dispensing Rate

Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	1235.00
Title	Installation Pavements Quality
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Identify if the installation pavement for the primary runway can support Airlift aircraft operations. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Compute the runway pavement suitability score and the apron pavement suitability score. Each of these is worth 50% of the overall score. Runway Pavement Suitability: Find the highest PCN among all the runways. See OSD Question 1235, column 3 for this data. (N/A means 0.) Compute a score for every runway with that PCN and use the highest scoring runway. Score the runway for runway pavement suitability as follows: Get the C-17 ACN. See OSD Question 1236, column 4 for the C-17 ACN. (N/A means 0.) Get the C-5B ACN. See OSD Question 1236, column 6 for the C-5B ACN. (N/A means 0.) If the PCN is N/A or 0, get 0 points. Otherwise, if the C-17 ACN divided by the PCN > 0 and <= 1.0, then get 100 points. Otherwise, if the C-5B ACN divided by the PCN > 0 and <= 1.0, then get 75 points. Otherwise, if the C-5B ACN divided by the PCN > 0 and <= 1.1, then get 50 points. Otherwise, get 0 points. Apron pavement suitability: Score each apron for pavement quality and choose the highest scoring apron. Get the C-17 ACN. See OSD Question 1240, column 6 for this data. (N/A means 0.) Get the C-5B ACN. See OSD Question 1240, column 8 for this data. (N/A means 0.) If the PCN is 0 or N/A, get 0 points. See OSD Question 1239, column 4 for this data. Sum the apron pavement square yardage (see OSD Question 1239, column 2, N/A means 0) where the C-17 ACN divided by the PCN > 0 and <= 1.0. Sum the apron pavement square yardage (see OSD Question 1239, column 2, N/A means 0) where the C-5B ACN divided by the PCN > 0 and <= 1.0. If the C-17 square yardage >= 1,040,000, get 100 points. Otherwise, if the C-5B square yardage >= 416,000, get 75 points. Otherwise, if the C-5B square yardage >= 137,000, get 50 points. Otherwise, get 0 points. Example: There are 2 runways on the base, but one has the highest runway pavement PCN value, which is 60. The ACN for an C-17 on that runway is 40, 40 divided by 60 is <= 1.0, so the base gets 100 pts for runway pavement suitability. In this case, the C-5B ACN/PCN ratio was a moot point. There are 2 apron pavements on the base. Apron Alpha has a PCN of 50 and 100,000 square yards of surface. Apron Bravo has a PCN of 30 and 150,000 square yards. The ACN for C-17s on both aprons is 43, and for C-5Bs it is 45. Apron Alpha's ACN/PCN ratio for C-17s is 43/50, which is less that 1.0. This counts as 100,000 square yards for the C-17. Apron Bravo's ACN/PCN ratio for C-17s is 43/30, which is more than 1.0, so it's square yards aren't counted towards C-17 square yardage. This gives us a total of 100,000 C-17 square yards, which is not greater than 1,040,000 square yards.

Formula Sheet for Ellsworth AFB

MCI: Airlift

Formula	1235.00
Title	Installation Pavements Quality

Apron Alpha's ACN/PCN ratio for C-5Bs is 45/50, which is less that 1.0. This counts as 100,000 square yards for the C-5B. Apron Bravo's ACN/PCN ratio for C-5Bs is 45/30, which is more than 1.0, so it's square yards aren't counted towards C-5B square yardage. This gives us a total of 100,000 C-5B square yards, which is not greater than 137,000 square yards, which gives us a score of 25 points for apron pavement suitability.

50% of the Runway pavement suitability score of 100 equals 50. 50% of the apron pavement score of 0 equals 0. 50 plus 0 equals a score of 50.

Source	AFCESA Pavement Evaluation Report and Base General Plan; Existing Record Drawings or Physical Verification; Base Real Property Records; FLIP; ASSR	
Formula Score	87.50	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	11.95	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	10.46	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	1.49	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
37	Airfield Pavements	1235 .	Airfield Pavements - Runway (1 of 2)
37	Airfield Pavements	1235 . 3	Controlling Feature PCN
37	Airfield Pavements	1236 .	Airfield Pavements - Runway (2 of 2)
37	Airfield Pavements	1236 . 3	ACN for B-52 at 488 Kips
37	Airfield Pavements	1239 .	Airfield Pavements - Aprons (1 of 2)
37	Airfield Pavements	1239 . 2	Total Size of Primary Facility (2)
37	Airfield Pavements	1239 . 4	Predominant Feature PCN (4)
37	Airfield Pavements	1240 .	Airfield Pavements - Aprons (2 of 2)
37	Airfield Pavements	1240 . 6	ACN for C-17 at 585 Kips
37	Airfield Pavements	1240 . 8	ACN for C-5B at 840 Kips

Formula Sheet for Ellsworth AFB

MCI: Airlift

Formula	1241.00
Title	Ability to Support Large-Scale Mobility Deployment
Criterion	Contingency, Mobilization, Future Forces
Attribute	Mobility/Surge

Formula

State installation's parking MOG for C-17 equivalents using surveyed/approved transient parking ramps.

If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts.

Find the total number of C-17 MOGs. See OSD Question 1241, column 1 for this data.

If the total is >= 6, get 100 points.
Otherwise, if the total is >= 4, get 75 points.
Otherwise, if the total is >= 2, get 25 points.
Otherwise, get 0 points.

Example:

There are a total of 3 C-17 MOGs. 3 is between 2 and 4, so the score is 25 points.

Source	ASR (Airfield Suitability Report)	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.20	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.20	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
39	Airfield Management	1241 .	Ramp - Transient Capability
39	Airfield Management	1241 . 1	C-17 MOG

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Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	1242.00
Title	ATC Restrictions to Operations
Criterion	Current / Future Mission
Attribute	Operating Environment
Formula	List the percentage of installation departures delayed by Air Traffic Control. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Check the Delayed Departures Percentage. See OSD question 1242, column 5 for this data. If the percentage delayed = 0, get 100 points. Otherwise, if the percentage delayed is >= 3%, get 0 points. Otherwise, pro-rate the percentage delayed between 0 to 3% on a 100 to 0 point scale. Example: The departure percentage delayed is 1%. 1% is one third of the way between 0 and 3%, so the score is 66.67 points.
Source	CAMS (Computerized Aircraft Maintenance System)/ G081

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	5.98	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	5.98	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
39	Airfield Management	1242 .	Air Operations - Departure Delays
39	Airfield Management	1242 . 5	Precentage Delayed for ATC

Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	1246.00
Title	Proximity to Low Level Routes Supporting Mission
Criterion	Current / Future Mission
Attribute	Geo-locational Factors
Formula	Check the distance to all Airspace for Special Use (IR/VR routes) within 150NM radius of the installation. If installation has no runway or active runway, or no serviceable, suitable runway then score 0 pts. For a list of routes, see OSD Question 1246. The type of route can be found in column 1. Entry point distances are found in column 2. Exit point distances are found in column 3. For distances, N/A means 0 points. IR Entry points, IR Exit points, VR Entry points and VR Exit points are each worth 25% of the score. (.25 * "IR Entry") + (.25 * "IR Exit") + (.25 * "VR Entry") + (.25 * "VR Exit") Entry and Exit Point: Within each of the above four categories, award each route points as follows: If the distance = N/A, get 0 points. Otherwise, the distance is <= 50 Nautical Miles (NM), get 100 points. Otherwise, if the distance is = 150 NM, get 10 points. Otherwise, pro-rate the distance between 50 NM and 150 NM on a 100 to 10 point scale. Total the number of points received above for each base for each of the above four categories. Get the highest base score in each of the above four categories. Get the lowest, non-zero score in each of the above four categories. If the installation's score for one of the above categories = 0, it remains 0. Otherwise, if the installation's score for one of the above categories = the highest score in its respective category, get 100 points. Otherwise, if the installation's score for one of the above categories = the lowest non-zero score in its respective category, get 10 points. Otherwise, pro-rate the installation's score between the lowest non-zero and highest score in its respective category on a 10 to 100 point scale. Example: Two IR routes and 1 VR route. IR Route Alpha has an entry point 35 miles away and an exit point 100 miles away. IR Route Bravo has an entry point 150 miles away and an exit point 160 miles away. Alpha's entry point is within 50 miles, so its IR Entry amount is 100 points. The exit point 100 miles distant is 50 percent of the way between 50 and 150 miles, so its IR Exit point amount is 55 points. Bravo's entry point is 150 miles away, so its IR Entry amount is 10 points. The exit point is 160 miles away, so its amount is 0 points. The IR Entry total for these two routes is 100 + 10 for 110 points. The total IR Exit total for these two routes is 55 + 0 for 55 points. The highest IR Entry total for any base is 165 and the lowest non-zero IR Entry total for any base is 30. The highest IR Exit total for any base is 105 and the lowest non-zero IR Exit total for any base is 5.

Formula Sheet for Ellsworth AFB

MCI: Airlift

Formula	1246.00
Title	Proximity to Low Level Routes Supporting Mission

So, this base's IR Entry score is 100, because 165 is equal to the highest score of any base.
Pro-rating the IR Exit total of 55 between 5 and 105 on a 10 to 100 point scale gives this base an IR Exit score of 55.

VR Route Charlie has an entry point 40 miles away and an exit point 45 miles away.

Both the entry and exit point are within 50 miles, so both the VR Entry and VR Exit category amounts get 100 points.
As there is only one VR route, that makes the VR route totals the same, 100 points each.

The highest VR Entry total for any base is 300 and the lowest non-zero VR Entry total for any base is 50 points.
Ditto for the VR Exit totals.

So, this base's VR Entry score of 100 is pro-rated between 50 and 300 on a 10 to 100 scale. Since 100 is 20% of the way from 50 to 300, the VR Entry score is 28 points.
Ditto for the VR Exit totals.

By applying the 25% weighting to each of the four category scores, in IR Entry, IR Exit, VR Entry and VR Exit order, we get the overall score:

(.25 * 100) + (.25 * 55) + (.25 * 28) + (.25 * 28), for an overall score of 52.75 points.

Source	FLIP AP-1B; IFR Supp; Falcon View or other certified flight planning software	
Formula Score	19.95	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	13.98	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.79	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	11.19	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
1	Air/Space Operations	1246 .	Airspace - Distance to Routes
1	Air/Space Operations	1246 . 1	Route Designator

Formula Sheet for Ellsworth AFB

MCI: Airlift

Formula	1248.00
Title	Proximity to DZ/LZ
Criterion	Current / Future Mission
Attribute	Geo-locational Factors

Formula

Check the distance to all USAF-certified Landing Zones/Drop Zones within 150NM radius of the installation that meet zone requirements.

OSD Question 1249 is assigned to a notional base unit (Widget Unit #216) for technical reasons since the data is identical for all bases. So, regardless of the organization being checked, all references to OSD Question 1249 will find their data under Widget Unit # 216, which was a technical way to avoid having to enter the exact same data once per base. Widget Unit # 216 does not exist in real life.

If installation has no runway or active runway, or no serviceable, suitable runway then score 0 pts.

Drop Zones (DZ) count for 50% of the overall score, Landing Zones (LZ) count for the remaining 50%.

The data on the DZs and LZs is split across two OSD questions, 1249 and 1248. This means that the data in one question has to be matched with its respective data in the other question. This is done by matching the ZAR code, which is found in column 1 of both OSD Questions 1248 and 1249.

Compute the points received for each LZ as follows, then total them into an LZ total:

If the LZ is < 3500' by 90', and < 3000' by 60', get 0 points. See OSD Question 1249, columns 3 and 4 for this data. (N/A means no.)
Otherwise, if the distance to the LZ > 150 miles, get 0 points. See OSD Question 1248, column 3 for this data. (N/A or no matching LZ in OSD question 1249 means > 150 miles.)
Otherwise, if the distance to the LZ = 150 miles, get 10 points.
Otherwise, if the distance to the LZ <= 50 miles, get 100 points.
Otherwise, get 0 points.

Compute the points received for each DZ as follows, then total them into a DZ total:

If the DZ is < 1000 yds by 1500 yds, and < 700 yds by 1000 yds, get 0 points. See OSD Question 1249, columns 6 and 7 for this data. (N/A means no.)
Otherwise, if the distance to the DZ > 150 miles, get 0 points. See OSD Question 1248, column 3 for this data. (N/A or no matching DZ in OSD question 1249 means > 150 miles.)
Otherwise, if the distance to the DZ = 150 miles, get 10 points.
Otherwise, if the distance to the DZ <= 50 miles, get 100 points.
Otherwise, get 0 points.

After the above LZ and DZ totals have been computed for each base, determine the score for each as follows:

Get the Highest LZ total of any base and the Lowest non-Zero LZ total of any base.
Get the Highest DZ total of any base and the Lowest non-Zero DZ total of any base.

If the total = 0, then the respective points for that total = 0.
Otherwise, pro-rate the total from the respective lowest non-zero total to the respective highest score on a 10 to 100 scale.

Take 50% of the LZ score just calculated and add to it 50% of the DZ score just calculated for the overall score.

Example:

There are two drop zones within 150 miles, Alpha and Bravo. Alpha is 3100' by 65' and Bravo is

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Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	1248.00
Title	Proximity to DZ/LZ

2000' by 100'.
Alpha is 50 miles away and Bravo is 100 miles away.
Alpha is bigger than 3000' by 60', so it qualifies for points. Since it is 50 miles away, it gets 100 points. Bravo is smaller than 3000' by 60', so it is too small and gets 0 points.
The DZ total is 100 points.

The highest DZ total across all bases is 500 and the lowest non-zero DZ total across all bases is 100. The DZ score is 10 points, since it equals the lowest overall DZ total.

There are two landing zones within 150 miles, Charlie and Delta. Charlie is 1000 yds by 1500 yds and so is Delta. Charlie and Delta are both 10 miles away. Both are >= the 1000 yds by 1500 yds size, so both qualify for points. Since both are 10 miles away, they both get 100 points. The LZ total is 200 points.

The highest LZ total across all bases is 200 and the lowest non-zero LZ total across all bases is 50. The LZ score is 100 points, since it equals the highest overall LZ total.

Now, take 50% of each of the two totals to make the overall score:

(.50 * 10) + (.50 * 100) gives an overall score of 55.

Source	IFR Supp; ZAR (AMC Zone Availability Report): AF Form 3822 (Landing Zone Survey) or AF Form 3823 (Drop Zone Survey); Falcon View or other certified flight planning software	
Formula Score	23.64	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	14.72	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	3.48	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	11.24	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)
1	Air/Space Operations	1248 .	Airspace - Distance to Zones
1	Air/Space Operations	1248 .2	ZAR Doc / Index Number
1	Air/Space Operations	1249 .	Airspace Attributes - Zones
1	Air/Space Operations	1249 .2	ZAR Doc/Index Number
1	Air/Space Operations	1249 .3	Landing Zone: >=3000' x 60'
1	Air/Space Operations	1249 .4	Landing Zone: >=3500' x 90'
1	Air/Space Operations	1249 .6	Drop Zone: >=700 yds x 1000yds
1	Air/Space Operations	1249 .7	Drop Zone: >=1000 yds x 1500 yds

Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	1249.00
Title	Airspace Attributes of DZ/LZ
Criterion	Condition of Infrastructure
Attribute	Operating Areas

Formula

Check the attributes of USAF-certified Landing Zones / Drop Zones which have current AMC surveys.

OSD Question 1249 is assigned to a notional base unit (Widget Unit #216) for technical reasons since the data is identical for all bases. So, regardless of the organization being checked, all references to OSD Question 1249 will find their data under Widget Unit # 216, which was a technical way to avoid having to enter the exact same data once per base. Widget Unit # 216 does not exist in real life.

If installation has no runway or active runway, or no serviceable, suitable runway then score 0 pts.

Drop Zones (DZ) count for 50% of the overall score, Landing Zones (LZ) count for the remaining 50%.

The data on the DZs and LZs is split across two OSD questions, 1249 and 1248. This means that the data in one question has to be matched with its respective data in the other question. This is done by matching the ZAR code, which is found in column 1 of both OSD Questions 1248 and 1249.

Compute the points received for each LZ as follows, then total them into an LZ total:

If the distance to the LZ > 150 miles, get 0 points. See OSD Question 1248, column 3 for this data. (N/A or no matching LZ in OSD question 1249 means > 50 miles.)
Otherwise, if the LZ is >= 3500' by 90', get 100 points. See OSD Question 1249, column 4 for this data. (N/A means no.)
Otherwise, if the LZ is >= 3000' by 60', get 50 points. See OSD Question 1249, column 3 for this data. (N/A means no.)
Otherwise, get 0 points.

Compute the points received for each DZ as follows, then total them into a DZ total:

If the distance to the DZ > 150 miles, get 0 points. See OSD Question 1248, column 3 for this data. (N/A or no matching DZ in OSD question 1249 means > 50 miles.)
Otherwise, if the DZ is >= 1000 yds by 1500 yds, get 100 points. See OSD Question 1249, column 7 for this data. (N/A means no.)
Otherwise, if the DZ is >= 700 yds by 1000 yds, get 50 points. See OSD Question 1249, column 6 for this data. (N/A means no.)
Otherwise, get 0 points.

After the above LZ and DZ totals have been computed for each base, determine the score for each as follows:

Get the Highest LZ total of any base and the Lowest non-Zero LZ total of any base.
Get the Highest DZ total of any base and the Lowest non-Zero DZ total of any base.

If the total = 0, then the respective points for that total = 0.
Otherwise, pro-rate the total from the respective lowest non-zero total to the respective highest score on a 10 to 100 scale.

Take 50% of the LZ score just calculated and add to it 50% of the DZ score just calculated for the overall score.

Example:

There are two drop zones within 50 miles, Alpha and Bravo. Alpha is 3100' by 65' and Bravo is 2000'

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Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	1249.00	
Title	Airspace Attributes of DZ/LZ	

by 100'.
Alpha is between 3000' by 60' and 3500' by 90' in size, so it gets 50 points. Bravo is too small, so it gets 0 points.
The DZ total is 50 points.

The highest DZ total across all bases is 500 and the lowest non-zero DZ total across all bases is 50.
The DZ score is 10 points, since it equals the lowest overall DZ total.

There are two landing zones within 50 miles, Charlie and Delta. Charlie is 1000 yds by 1500 yds and so is Delta.
Both are >= the 1000 yds by 1500 yds size, so both get 100 points. The LZ total is 200 points.

The highest LZ total across all bases is 200 and the lowest non-zero LZ total across all bases is 50.
The LZ score is 100 points, since it equals the highest overall LZ total.

Now, take 50% of each of the two totals to make the overall score:

(.50 * 10) + (.50 * 100) gives an overall score of 55.

Source	IFR Supp; ZAR (AMC Zone Availability Report): AF Form 3822 (Landing Zone Survey) or AF Form 3823 (Drop Zone Survey); Falcon View or other certified flight planning software	
Formula Score	21.84	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	8.30	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.81	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	6.49	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)
1	Air/Space Operations	1248 .	Airspace - Distance to Zones
1	Air/Space Operations	1248 .2	ZAR Doc / Index Number
1	Air/Space Operations	1249 .	Airspace Attributes - Zones
1	Air/Space Operations	1249 .2	ZAR Doc/Index Number
1	Air/Space Operations	1249 .3	Landing Zone: >=3000' x 60'
1	Air/Space Operations	1249 .4	Landing Zone: >=3500' x 90'
1	Air/Space Operations	1249 .6	Drop Zone: >=700 yds x 1000yds
1	Air/Space Operations	1249 .7	Drop Zone: >=1000 yds x 1500 yds

Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	1250.00	
Title	Area Cost Factor	
Criterion	Cost of Ops / Manpower	
Attribute	Cost Factors	
Formula	Evaluate the Area Cost Factor for each installation. Find the lowest area cost factor listed for that installation. See OSD question 1250, column 2 for this data. If the area cost factor <= 0.78, get 100 points. Otherwise, if the area cost factor >= 1.42, get 0 points. Otherwise, pro-rate the area cost factor between 0.78 and 1.42, on a 100 to 0 point scale. Example: The lowest area cost factor for the base is 1.3. 1.3 is 81.25% of the way between 0.78 and 1.42, so the score is 18.75 points.	
Source	DoD Facilities Pricing Guide, Table B, March 2004	
Formula Score	76.56	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.25	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.96	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.29	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
4	CE Programming	1250 .	Area Cost Factor
4	CE Programming	1250 .2	Area Cost Factor

Formula Sheet for Ellsworth AFB

MCI: Airlift

Formula	1269.00	
Title	Utilities cost rating (U3C)	
Criterion	Cost of Ops / Manpower	
Attribute	Cost Factors	
Formula	Check the Utilities Costs and Climatic Consideration (U3C) Rating for the installation. If the U3C rating is <= .59, get 100 points. See OSD Question 1269, column 1 for this data. Otherwise, if the U3C rating is >= 2.29, get 0 points. Otherwise, pro-rate the U3C rating between .59 and 2.29 on a 100 to 0 scale. Example: The U3C rating is 1.6. 1.6 is 59.41% of the way between .59 and 2.29, so the score is 40.59.	
Source	ASHRAE Standards; DoD 5126.46-M-2, Defense Utility Energy Reporting System; UFC 3-400-02, DOE Website: Buildings Energy Databook: Table 7.4 Typical Commercial Buildings	
Formula Score	99.41	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	0.13	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.12	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
35 Utilities	1269 .	Utilities Cost Rating (U3C)
35 Utilities	1269 . 1	Answer

Formula Sheet for Ellsworth AFB

MCI: Airlift

Formula	1271.00	
Title	Prevailing Installation Weather Conditions	
Criterion	Current / Future Mission	
Attribute	Operating Environment	
Formula	Check the average number of days annually the prevailing weather is better than 3000'/3 Nautical Miles (NM). If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. If the average number of days >= 300, get 100 points. Otherwise, if the average number of days <= 250, get 0 points. Otherwise, pro-rate the average number of days between 250 and 300 on a 0 to 100 scale. Example: The average number of days annually where the prevailing weather is better than 3000'/3 NM is 275. 275 is halfway between 250 and 300, for a score of 50.	
Source	AFCCC Climatological tables	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	3.22	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	3.22	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
1 Air/Space Operations	9 .	Runways
1 Air/Space Operations	9 . 7	Length
1 Air/Space Operations	9 . 8	Width
1 Air/Space Operations	9 . 15	Serviceable (5)
39 Airfield Management	1271 .	Air Operations - Prevailing Weather
39 Airfield Management	1271 . 3	Weather > 3000'/3NM

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Formula Sheet for Ellsworth AFB

MCI: Airlift

Formula	1273.00
Title	Aerial Port Proximity
Criterion	Current / Future Mission
Attribute	Geo-locational Factors
Formula	For installations with active runways, identify distance in NM to RAF Mildenhall, Rota Naval Station, Lajes Field, Hickam AFB and Elmendorf AFB. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. 50% of the score is based upon proximity to the East coast locations of Mildenhall, Rota or Lajes. The other 50% of the score is based upon proximity to the West coast locations of Elmendorf and Hickam. See OSD Question 1273, columns 1,2,3,4 and 5 respectively, for the distance to these locations. East Coast Locations: If both Mildenhall and Rota are within 3200 NM, get 100 points. Otherwise, if either Mildenhall or Rota are within 3200 NM, get 75 points. Otherwise, if only Lajes is within 3200 NM, get 25 points. Otherwise, get 0 points. West Coast Locations: If both Elmendorf and Hickam are within 3200 NM, get 100 points. Otherwise, if only Elmendorf is within 3200 NM, get 75 points. Otherwise, get 0 points. Example: The base is 4525 NM from Mildenhall, 4913 NM from Rota, 4022 NM from Lajes, 1995 NM from Elmendorf and 2409 NM from Hickam. All three East coast locations are more than 3200 NM away, so 0 points for the East coast aerial port proximity. Elmendorf and Hickam are within 3200 NM, so 100 points for West coast aerial port proximity. (50% * 0) + (50% * 100) equals a score of 50.
Source	Distances between all BRAC bases with runways taken from IVT; Guard, AFRC and specific overseas locations derived from DAFIF and measured using IVT. Aerial Ports identified in Defense Travel Regulation (DTR), DoD Regulation 4500.9-R-Part II (Mobility), Appendix M. The measurements are taken from the center of mass of the runway complex for the bases and the center of mass of the IVT polygon for the ranges. The distances are the great circle arcs over the surface of the Earth at sea level elevation.

Formula Score	50.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	8.10	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	4.05	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	4.05	The difference between Max Points and Earned Points.

Formula Sheet for Ellsworth AFB

MCI: Airlift

Formula	1273.00
Title	Aerial Port Proximity

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)
1	Air/Space Operations	1273 .	Aerial Port Proximity
1	Air/Space Operations	1273 .1	RAF Mildenhall, UK
1	Air/Space Operations	1273 .2	Naval Station Rota, Spain
1	Air/Space Operations	1273 .3	Lajes Field, The Azores
1	Air/Space Operations	1273 .4	Elmendorf AFB, AK
1	Air/Space Operations	1273 .5	Hickam AFB, HI

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Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	1402.00	
Title	BAH Rate	
Criterion	Cost of Ops / Manpower	
Attribute	Cost Factors	
Formula	Check the 2004 monthly BAH rate for an O-3 with dependents. See OSD question 1402, column 1 for this data. If the BAH rate <= 746, get 100 points. Otherwise, if the BAH rate >= 2013, get 0 points. Otherwise, pro-rate the BAH rate between 746 and 2013 on a 100 to 0 scale. Example: The BAH rate is 974. 974 is 18% between 746 and 2013, which results in a score of 82.00.	
Source	www.dtic.mil/perdiem/bah.html	
Formula Score	80.19	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	0.88	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.70	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.17	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
13 Finance	1402 .	BAH Rate
13 Finance	1402 . 1	BAH Rate

Formula Sheet for **Ellsworth AFB**

MCI: **Airlift**

Formula	1403.00	
Title	GS Locality Pay Rate	
Criterion	Cost of Ops / Manpower	
Attribute	Cost Factors	
Formula	Check the 2004 locality pay rate for the GS pay schedule. See OSD question 1403, column 1 for this data. (N/A equals 0.) If the pay rate <= 10.90, get 100 points. Otherwise, if the pay rate >= 20.37, get 0 points. Otherwise, pro-rate the pay rate between 10.90 and 20.37 on a 100 to 0 scale. Example: The pay rate is 14.31, which is 36.01% of the way between 10.90 and 20.37, which results in a score of 63.99.	
Source	Office of Personnel Management Web page	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	0.25	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.25	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
13 Finance	1403 .	GS Locality Pay Rate
13 Finance	1403 . 1	GS Locality Pay Rate

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Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	8.00
Title	Ramp Area and Serviceability
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Total the square yardage of every serviceable ramp at the installation. See OSD Question 8, column 9 to determine serviceability. (N/A means not serviceable.) See OSD Question 8, column 2 for the square yardage of that ramp. If the total square yards of serviceable ramp is >= 241,000, get 100 points. Otherwise, if the total square yards of serviceable ramp is >= 198,000, get 75 points. Otherwise, if the total square yards of serviceable ramp is >= 66,000, get 25 points. Otherwise, get 0 points. Example: The installation has three ramps, Alpha, Bravo and Charlie. Alpha and Bravo are both fully serviceable and active; Charlie is not serviceable because of major sinkholes that have developed. Alpha has 50,000 square yards, Bravo has 20,000 square yards, and Charlie has 200,000 square yards, for a total of 70,000 serviceable square yards of ramps. This number is between 66,000 and 198,000, so it falls into the 25 point range.
Source	FLIP; AFCESA Pavement Evaluation/Condition Report/Survey; Existing Record Drawings or Physical Verification; Base Real Property Records
Formula Score	100.00 — This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.97 — This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.97 — This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00 — The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
28	Real Property	8 .	Ramp/Apron Space
28	Real Property	8 . 2	Area
28	Real Property	8 . 9	Serviceable (2)

Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	9.00
Title	Runway Dimension and Serviceability
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Check the dimension of all serviceable runways that support the installation. Calculate a score for each runway at the installation as follows: If the runway is not serviceable, get 0 points. See OSD Question 9, column 15 for this data. (N/A means no.) Otherwise, if the runway is < 150' wide, get 0 points. See OSD Question 9, column 8 for this data. (N/A means no.) Otherwise, if the runway is < 8000' long, get 0 points. See OSD Question 9, column 7 for this data. (N/A means no.) Otherwise, get 100 points. The overall score is the highest score received by any one runway. Example: An installation has two runways, Alpha and Bravo. Alpha is 12,000' long, 160' wide, and full of huge holes because it has partially been demolished, so it is not serviceable. Bravo is 8,300' long and 152' wide, plus it is fully serviceable. Runway Alpha scores 0 points because it isn't serviceable. Runway Bravo meets all the specified criteria so it gets 100 points. Runway Bravo has the highest score for any runway at the installation, so its score of 100 is used for the installation's score.
Source	FLIP; AFCESA Pavement Evaluation/Condition Report/Survey; Existing Record Drawings or Physical Verification; Base Real Property Records
Formula Score	100.00 — This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.28 — This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.28 — This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00 — The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 1	Airfield Identifier (ICAO 4 character identifier)
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)

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Formula Sheet for **Ellsworth AFB**

MCI: **Fighter**

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance
Criterion	Contingency, Mobilization, Future Forces
Attribute	Growth Potential
Formula	Check the attainment designation classifications of the installation's NAAQS (National Ambient Air Quality Standard) for the following applicable criteria: Attainment, Nonattainment, Nonattainment (Deferred), Maintenance, and Unclassifiable. Identify the amount of the SIP emissions budget for non-attainment and maintenance criteria pollutants, if any, allocated to the installation. Use the following formula to compute this score: Multiply the Attainment / Emission Budget Growth Allowance MinA by the Attainment / Emission Budget Growth Allowance *B* for the base score. Add the SIP Score to the base score. If the base score is now over 100, reduce it to 100. SIP Score: Sum the Installation SIP Growth Allowance (Tons/Year)" for the following constituents: '001. VOC' and '002. Nox'. See OSD question 221, column 3 for the Installation SIP Growth Allowance (Tons/Year). See OSD Question 221, column 1 for the constituent. If the total is > 0, then SIP Score = 20, otherwise it is 0. Attainment / Emission Budget Growth Allowance MinA and *B*: Perform the following calculation for each of the specified criteria pollutants and pick the lowest value from them all. The criteria pollutants are '002. PM10', '004. S02', '005. CO', 007. O3 (8hr)*'. See OSD Question 213, column 1 for this data. Attainment / Emission Budget Growth Allowance MinA: If the NAAQS Designation is Attainment, Unclassifiable, Nonattainment (Deferred), Unclassifiable/Attainment, Unclassifiable/Attainment (EAC), Nonattainment-deferred (EAC), Attainment (EAC) or N/A, get 100. See OSD Question 213, column 2 for this data. Otherwise, if the NAAQS Designation is Maintenance, get 77.778. Otherwise, if the NAAQS Classification is Marginal, Subpart 1, Moderate, Primary, or Secondary, get 66.667. See OSD Question 213, column 3 for this data. Otherwise, if the NAAQS Classification is Serious, get 43.5. Otherwise, if the NAAQS Classification is Severe, Severe-15, or Severe-17, get 25.714. Otherwise, if the NAAQS Classification is Extreme, get 7. Otherwise, get 0. Attainment / Emission Budget Growth Allowance *B*: If the NAAQS Designation is Attainment, Unclassifiable, Nonattainment (Deferred), Unclassifiable/Attainment, Unclassifiable/Attainment (EAC), Nonattainment-deferred (EAC), Attainment (EAC) or N/A, get 1. See OSD Question 213, column 2 for this data. Otherwise, if the NAAQS Designation is Maintenance, get .9.

Formula Sheet for **Ellsworth AFB**

MCI: **Fighter**

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance
	Otherwise, if the NAAQS Classification is Marginal, Subpart 1, Moderate, Primary, or Secondary, get .9. See OSD Question 213, column 3 for this data. Otherwise, if the NAAQS Classification is Serious, get .8. Otherwise, if the NAAQS Classification is Severe, Severe-15, or Severe-17, get .7. Otherwise, if the NAAQS Classification is Extreme, get 1. Otherwise, get 0. Example: The NAAQS Designation for 002. PM10 is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9. The NAAQS Designation for 004. S02 is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9 The NAAQS Designation for 005. CO is Nonattainment and the NAAQS Classification is Severe, which means 25.714 * .8. The NAAQS Designation for 007. O3 (8hr)* is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9. 25.714 * .8, which equals 20.5712, is the lowest value, so it becomes the base score. The Installation SIP Growth Allowance (Tons/Year) for 001. VOC is 0, for 002. Nox it is 1. As the total of these two values is > 0, the SIP Score = 20, which needs to be added to the base score of 20.5712, for a new base score of 40.5712. This is less than 100, so it does not need to be reduced to 100, which makes the final score = 40.5712.
Source	DoD#213: Current Edition of 40 CFR 81; or Federal Register; or Federal Register Citation to EPA's "final rule" approving the area's "maintenance plan" and "redesignation" of the area to "attainment status" DoD#221: State Implementation Plan

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.68	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.68	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

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Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance

Supporting Data

Section		Question.Field	
12	Environment	213 .	Air Quality Attainment
12	Environment	213 .2	NAAQS Designation
12	Environment	213 .3	NAAQS Classification
12	Environment	221 .	SIP Emissions Budget
12	Environment	221 .1	Criteria Pollutant
12	Environment	221 .3	(b) Installation SIP Growth Allowance

Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	1203.00
Title	Access to Adequate Supersonic Airspace
Criterion	Condition of Infrastructure
Attribute	Operating Areas

Formula

Identify special use airspace that is suitable for supersonic training.

If installation has no runway or active runway, or no serviceable, suitable runway then score 0 pts.

Otherwise, score each special use airspace suitable for supersonic training according to the following formula and return the single highest score.

% of Score	Category
50	Operating Hours
50	Size

For Operating Hours:

A supersonic special use airspace gets 100 points if it is available for use 24 hours a day and 0 points if it is unavailable for use. (N/A means unavailable for use.) For operating hours between those two boundaries, pro-rate the score linearly. See OSD question 1276, column 2 for this data.

For Size:

If the supersonic special use airspace is at least 150 nautical miles (NM) by 80 NM in size, and has an altitude block >= 30,000, get 100 points. See OSD question 1276, column 7 for this data. (N/A means no.)

Otherwise, if it is at least 100 NM by 60NM and has an altitude block >= 30,000', get 80 points. See OSD question 1276, column 6 for this data. (N/A means no.)

Otherwise, if it is at least 100 NM by 50 NM and has an altitude block >= 30,000', get 60 points. See OSD question 1276, column 5 for this data. (N/A means no.)

Otherwise, if it is at least 80 NM by 40 NM and has an altitude block >= 30,000', get 40 points. See OSD question 1276, column 4 for this data. (N/A means no.)

Otherwise, if it has an airspace volume >= 2,100 NM squared and an altitude block >= 20,000', get 20 points. See OSD question 1276, column 3 for this data. (N/A means no.)

Otherwise, get 0 points.

Example:

A supersonic special use airspace is listed under OSD question 1276. It has an airspace of 105 NM by 61 NM in size, with an altitude block of 32,000?. That airspace is available for use 18 hours a day.

(80 points for 100 NM by 60 NM, 30,000? altitude block airspace * 50%)
+((75 points for 18 hours of use / (difference between 24 hours and 0 hours)) * 50%),

This equates to 40 size points + 37.5 operating hours points = 77.5 points for this special use airspace. The overall score is the highest score received by any one special use airspace at the installation.

Source

DoD #1203; Digital Aeronautical Flight Information Files (DAFIF), 30 Sep 04; FAA ATCAA Database

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Formula Sheet for **Ellsworth AFB**

MCI: **Fighter**

Formula	1203.00	
Title	Access to Adequate Supersonic Airspace	
Formula Score	30.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	6.72	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.02	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	4.71	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
1	Air/Space Operations	1276 .	Airspace Attributes - Supersonic
1	Air/Space Operations	1276 . 2	Operating Hours
1	Air/Space Operations	1276 . 3	Airspace Volume >=2,100NM squared and 20,000' altitude block
1	Air/Space Operations	1276 . 4	At least 80NM x 40NM and altitude block >=30,000'
1	Air/Space Operations	1276 . 5	At least 100NM x 50NM and altitude block >=30,000'
1	Air/Space Operations	1276 . 6	At least 100NM x 60NM and altitude block >=30,000'
1	Air/Space Operations	1276 . 7	At least 150NM x 80NM and altitude block >=30,000'

Formula Sheet for **Ellsworth AFB**

MCI: **Fighter**

Formula	1205.10	
Title	Buildable Acres for Industrial Operations Growth	
Criterion	Contingency, Mobilization, Future Forces	
Attribute	Growth Potential	
Formula	Identify the number of "buildable," unconstrained, development acres available for industrial operations. Sum the number of suitable acres at the installation. See OSD Question 1205, column 3 for the data. (N/A means 0.) If the number of acres is >= 150, get 100 points. If < 5 acres, get 0 points. Otherwise, pro-rate the number of acres between 5 and 150 on a 0 to 100 point scale. Example: There are three separate tracts of land that are suitable, comprised of 10, 22.5, and 45 acres respectively, for a total of 77.5 acres. 72.5 is halfway between 5 and 150 acres, so the score is 50.	
Source	AFI 32-7062, AICUZ Study Base Comprehensive Plan component plans such as Cultural Resource Management Plans, Natural Resource Management Plans and special studies, Base comprehensive plan maps	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.96	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.96	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
4	CE Programming	1205 .	Installation - Unconstrained Development Acreage
4	CE Programming	1205 . 3	Total Unconstrained, Buildable Industrial Operations

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Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	1205.20
Title	Buildable Acres for Air Operations Growth
Criterion	Contingency, Mobilization, Future Forces
Attribute	Growth Potential
Formula	Buildable acres for air operations growth. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Sum the number of suitable acres at the installation. See OSD Question 1205, column 5 for the data. (N/A means 0.) If the number of acres is >= 150, get 100 points. If < 5 acres, get 0 points. Otherwise, pro-rate the number of acres between 5 and 150 on a 0 to 100 point scale. Example: There are three separate tracts of land that are suitable, comprised of 10, 22.5, and 45 acres respectively, for a total of 77.5 acres. 72.5 is halfway between 5 and 150 acres, so the score is 50.
Source	AFI 32-7062, AICUZ Study Base Comprehensive Plan component plans such as Cultural Resource Management Plans, Natural Resource Management Plans and special studies, Base comprehensive plan maps

Formula Score	21.38	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.96	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.42	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	1.54	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
4	CE Programming	1205 .	Installation - Unconstrained Development Acreage
4	CE Programming	1205 . 5	Total Unconstrained, Buildable Airfield Operations/ Maintenance

Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	1207.00
Title	Level of Mission Encroachment
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Characterize the level of encroachment for the area in which the installation is located. There are four categories of acres for this purpose: 65-69, 70-74, 75-79, and 80+. See OSD Question 1208, column 1 for this data. For each category, compute a category total as follows: If the total acres in that category = 0, get 0 points. See OSD question 1208, column 5. (N/A means 0.) Otherwise, compute the ratio of residential acres to the respective total acres. See OSD question 1208, columns 4 for residential acres. (N/A means 0.) Subtract the 65-69 category total from 1, then multiply the result by 0.13. Subtract the 70-74 category total from 1, then multiply the result by 0.19. Subtract the 75-79 category total from 1, then multiply the result by 0.28. Subtract the 80+ category total from 1, then multiply the result by 0.4. Add the above 4 amounts together and multiply the result by 100 for the raw total. Add these points to the raw total as follows: If the installation purchased "Restrictive Easements" on undeveloped or developed land, add 7 points. See OSD Question 1209, columns 2 and 3 for this data, where a Yes in either qualifies for the 7 points. (N/A means no.) If the installation confirms "Land Use Controls that Correlate w/ AICUZ-JLUS Recommendation.", add 5 points. See OSD Question 1209, column 5 for this data, where a Yes qualifies for the 5 points. (N/A means no.) If the installation is in a state that has Mandatory Coordination of Development Proposals or there is a Local Joint Land Use Coordinating Board, add 1 point. See OSD Question 1209, columns 6 or 8 for this data, where a Yes in either qualifies for the 1 point. The above process can compute a score from 0 to 113. If the computed score is > 100, it is dropped to 100. Example: 60-65 Residential acres: 50 60-65 Total acres: 100 70-74 Residential acres: 50 70-74 Total acres: 100 75-79 Residential acres: 50 75-79 Total acres: 100 80+ Residential acres: 50 80+ Total acres: 100 Restrictive Easements = Yes (column 2) and No (column 3) Land Use Controls ... = N/A Mandatory Coordination ... = No and No. ((1 - (50 / 100)) * 0.13) + ((1 - (50 / 100)) * 0.19) + ((1 - (50 / 100)) * 0.28)

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Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	1207.00	
Title	Level of Mission Encroachment	
	+ ((1 - (50 / 100)) * 0.4) + 7 + 0 + 0 for a score of 7.5 points.	
Source	1207: AFI 32-7063, AFH 32-7084, AICUZ Report, Base Comprehensive Plan F Series maps or D Series as noted in AFI 32-7062 Atch7, local governmental zoning or land use planning authorities; 1208: AFI 32-7063, AICUZ Report, MAJCOM Approved Noise Study; 1209: State legislation, local referendums to purchase lands, zoning ordinance, noise exposure maps, noise control plans, documentation of state purchases of land	
Formula Score	89.72	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.28	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.05	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.23	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
4	CE Programming	1208 .	Installation - Encroachment (2 of 3)
4	CE Programming	1208 . 4	Residential
4	CE Programming	1208 . 5	Total Acres
4	CE Programming	1209 .	Installation - Encroachment (3 of 3)
4	CE Programming	1209 . 2	Purchased Restrictive Easements On Undeveloped Land (1)
4	CE Programming	1209 . 3	Purchased Restrictive Easements On Currently Developed Land (2)
4	CE Programming	1209 . 5	Land Use Controls that Correlate w/ AICUZ-JLUS Recommendation (4)
4	CE Programming	1209 . 6	Mandatory Coordination of Development Proposals (5)
4	CE Programming	1209 . 8	Local Joint Land Use Coordination Board (7)

Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	1214.00	
Title	Fuel Dispensing Rate to Support Mobility and Surge	
Criterion	Contingency, Mobilization, Future Forces	
Attribute	Mobility/Surge	
Formula	Check the installation's sustained jet fuel dispensing rate capability. Sum the JP5 and JP8 figures for jet fuel dispensing. See OSD Question 1214, column 4, for both JP5 and JP8. (N/A equals 0.) If the sum is >= 2,500,000 gallons, get 100 points. If the sum is = 0 gallons, get 0 points. Otherwise, pro-rate the sum of gallons between 0 and 2,500,000 on a 0 to 100 point scale. Example: JP5 can handle 500,000 gallons. JP8 can handle 750,000 gallons, for a total of 1,250,000 gallons. 1,250,000 is halfway between 0 and 2,500,000 gallons, for a score of 50.	
Source	Base Support Plan as required by AFI 10-404, Attachment 20	
Formula Score	63.36	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.64	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.67	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.97	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
15	Fuel	1214 .	POL - Maximum Dispensing Rate
15	Fuel	1214 . 1	Jet Fuel Dispensing Rate
15	Fuel	1214 . 4	Sustained Jet Fuel Dispensing Rate

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Formula Sheet for **Ellsworth AFB**

MCI: **Fighter**

Formula	1221.00	
Title	Hangar Capability - Small Aircraft	
Criterion	Condition of Infrastructure	
Attribute	Key Mission Infrastructure	
Formula	Check to see if the installation has Aircraft Hangar Facilities that will accommodate F-15 sized aircraft: state the number of F-15-sized acft (61ft long x 45ft wingspan x 19ft high) that can fit in the installation's maintenance hangars without modification. If the installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Otherwise, sum the number of aircraft the hangars can hold. See OSD Question 1221, column 2 for this data. (N/A equals 0.) If the sum is >= 24 aircraft, get 100 points. If the sum = 6 aircraft, get 25 points. If the sum is < 6 aircraft, get 0 points. Otherwise, pro-rate the number of aircraft between 6 and 24 on a 25 to 100 point scale. Example: 1) There are 7 hangars at the installation, with the following capacities: 0, 0, 1, 2, 2, 0, and 0, for a sum of 5 aircraft. That is less than 6 aircraft, so the score is 0. 2) There are 7 hangars at the installation, with the following capacities: 1, 2, 3, 2, 2, 3, and 2, for a sum of 15 aircraft. 15 is halfway between 6 and 24, for a score of 50.	
Source	Real Property Records, Record Drawings, UFC 3-260-01	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	3.88	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	3.88	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)
19	Maintenance	1221 .	Hangar - Dimension
19	Maintenance	1221 .2	F-15-sized Aircraft to Fit In Hangar

Formula Sheet for **Ellsworth AFB**

MCI: **Fighter**

Formula	1232.00	
Title	Sufficient Explosives-sited Parking	
Criterion	Condition of Infrastructure	
Attribute	Key Mission Infrastructure	
Formula	List the number of explosives-sited parking spots by MDS (Mission Design Series). If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Total the number of explosives sited parking spots. See OSD Question 1232, column 2 for this data. (N/A equals 0.) If the total >= 47, get 100 points. Otherwise, if the total >= 24, get 66 points. Otherwise, if the total >= 12, get 33 points. Otherwise, get 0 points. Example: The installation has two listings for explosive sited parking spots, with 5 and 20 respectively, which totals to 25. 25 is between 24 and 47, so the score is 66 points.	
Source	AFMAN 91-201, Explosives Safety Standards; Installation Explosives Site Plan	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	3.65	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	3.65	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)
36	Safety	1232 .	Munitions - Live Load Area
36	Safety	1232 .2	Number of Sited Parking Spots

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Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	1233.00
Title	Sufficient Munitions Storage
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	List maximum explosive capacity for the installation's hazard classification Class 1.1 munitions storage areas, in pounds. Maximum assumes F-117 18 PAA (GBU-27) and F/A-22 24 PAA (GBU-32 & AIM 120). If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Otherwise, total the capacity. See OSD question 1233, column 1 for this data. (N/A means 0.) If the total >= 45312, get 100 points. Otherwise, if the total >= 38520, get 75 points. Otherwise, if the total >= 19260, get 25 points. Otherwise, get 0 points. Example: There are two storage areas, with a capacity of 10,000 each, for a total of 20,000. 20,000 is between 19,260 and 38,250, so the score is 25 points.
Source	AFMAN 91-201, Explosives Safety Standards; Installation Explosives Site Plan

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	4.79	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	4.79	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
36	Safety	1233 .	Munitions - Explosive Capacity w/o Waivers
36	Safety	1233 . 1	Hazard Class 1.1

Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	1235.00
Title	Installation Pavements Quality
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Identify if the installation pavement for the primary runway can support fighter aircraft operations. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Compute the runway pavement suitability score and the apron pavement suitability score. Each of these is worth 50% of the overall score. Runway Pavement Suitability: Find the highest PCN among all the runways. See OSD Question 1235, column 3 for this data. (N/A means 0.) Compute a score for every runway with that PCN and use the highest scoring runway. Score the runway for runway pavement suitability as follows: If the PCN is N/A or 0, get 0 points. Otherwise, if the F-15E ACN divided by the PCN = 0, get 0 points. See OSD Question 1235, column 6 for the F-15E ACN. (N/A means 0.) Otherwise, if the F-15E ACN divided by the PCN <= 1.0, then get 100 points. Otherwise, if the F-16 ACN divided by the PCN = 0, get 0 points. See OSD Question 1235, column 9 for the F-16 ACN. (N/A means 0.) Otherwise, if the F-16 ACN divided by the PCN <= 1.0, then get 75 points. Otherwise, if the F-16 ACN divided by the PCN <= 1.1, then get 50 points. Otherwise, get 0 points. Apron pavement suitability: Score each apron for pavement quality and choose the highest scoring apron. Get the F-15E ACN. See OSD Question 1239, column 9 for this data. (N/A means 0.) Get the F-16 ACN. See OSD Question 1239, column 8 for this data. (N/A means 0.) Sum the apron pavement square yardage (see OSD Question 1239, column 2) where the F-15E ACN divided by the PCN > 0 and <= 1.0. Sum the apron pavement square yardage where the F-16 ACN divided by the PCN > 0 and <= 1.0. If the PCN is 0 or N/A, get 0 points. See OSD Question 1239, column 4 for this data. Otherwise, if the F-15E square yardage >= 241,000, get 100 points. Otherwise, if the F-16 square yardage >= 198,000, get 75 points. Otherwise, if the F-16 square yardage >= 66,000, get 50 points. Otherwise, get 0 points. Example: There are 2 runways on the base, but one has the highest runway pavement PCN value, which is 60. The ACN for an F-15E on that runway is 37, for an F-16 it is 18. 37 divided by 60 is <= 1.0, so the base gets 100 pts for runway pavement suitability. There are 2 apron pavements on the base. Apron Alpha has a PCN of 50 and 100,000 square yards of surface. Apron Bravo has a PCN of 30 and 150,000 square yards. The ACNs for F-15Es and F-16s on both aprons are 37 and 18, respectively. Apron Alpha's ACN/PCN ratio for F-15Es is 37/50, which is less that 1.0. This counts as 100,000 square yards for the F-15E. Apron Bravo's ACN/PCN ratio for F-15Es is 37/30, which is not less than 1.0, so it's square yards aren't counted towards F-15E square yardage. This gives us a total of

Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	1235.00
Title	Installation Pavements Quality

100,000 F-15E square yards, which is less than the 241,000 F-15E square yards needed for a runway pavement suitability score of 100 points.

Apron Alpha's ACN/PCN ratio for F-16s is 18/50, which is less that 1.0. This counts as 100,000 square yards for the F-16 Apron Bravo's ACN/PCN ratio for F-16s is 18/30, which is also less than 1.0, so it's square yards are also counted towards F-16 square yardage. This gives us a total of 250,000 F-16 square yards, which is more than the 198,000 F16 square yards needed for an apron pavement suitability score of 75 points.

50% of the Runway pavement suitability score of 100 equals 50. 50% of the apron pavement score of 75 equals 37.5. 50 plus 37.5 equals a score of 87.5

Source	AFCESA Pavement Evaluation Report and Base General Plan; Existing Record Drawings or Physical Verification; Base Real Property Records; FLIP; ASSR	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.97	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.97	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
37	Airfield Pavements	1235 .	Airfield Pavements - Runway (1 of 2)
37	Airfield Pavements	1235 . 3	Controlling Feature PCN
37	Airfield Pavements	1239 .	Airfield Pavements - Aprons (1 of 2)
37	Airfield Pavements	1239 . 2	Total Size of Primary Facility (2)
37	Airfield Pavements	1239 . 4	Predominant Feature PCN (4)
37	Airfield Pavements	1239 . 9	ACN for F-15E at 81 Kips

Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	1241.00
Title	Ability to Support Large-Scale Mobility Deployment
Criterion	Contingency, Mobilization, Future Forces
Attribute	Mobility/Surge

Formula:

State installation's parking MOG for C-17 equivalents using surveyed/approved transient parking ramps.

If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts.

Otherwise, total the number of C-17 equivalents the installation transient ramp can hold. See OSD question 1241, column 1 for this data. (N/A equals 0.)

If the total >= 6, get 100 points.
Otherwise, if the total >= 4, get 75 points.
Otherwise, if the total >= 2, get 25 points.
Otherwise, get 0 points.

Example:

The installation transient ramp can hold 5 C-17 equivalents. 5 is between 4 and 6, so the score is 75 points.

Source	ASR (Airfield Suitability Report)	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.76	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.76	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
39	Airfield Management	1241 .	Ramp - Transient Capability
39	Airfield Management	1241 . 1	C-17 MOG

Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	1242.00
Title	ATC Restrictions to Operations
Criterion	Current / Future Mission
Attribute	Operating Environment
Formula	List the percentage of installation departures delayed by Air Traffic Control. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Check the Delayed Departures Percentage. See OSD question 1242, column 5 for this data. If the percentage delayed = 0, get 100 points. Otherwise, if the percentage delayed is >= 3%, get 0 points. Otherwise, pro-rate the percentage delayed between 0 to 3% on a 100 to 0 point scale. Example: The departure percentage delayed is 1%. 1% is one third of the way between 0 and 3%, so the score is 66.67 points.
Source	CAMS (Computerized Aircraft Maintenance System)/ G081

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	5.98	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	5.98	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)
39	Airfield Management	1242 .	Air Operations - Departure Delays
39	Airfield Management	1242 .5	Precentage Delayed for ATC

Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	1245.00
Title	Proximity to Airspace Supporting Mission (ASM)
Criterion	Current / Future Mission
Attribute	Geo-locational Factors
Formula	If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. All airspace over 150 Nautical Miles (NM) away will be ignored. See OSD # 1245, column 2. (N/A means more than 250 NM.) Data is in OSD #s 1266, 1245 and 1274 must be matched via column 1 in each question. Calculate each of the subcategories scores listed below, and weight as listed. 15% Airspace Volume (AV) 15% Operating Hours (OH) 10% Scoreable Range (SR) 11.25% Air to Ground Weapons Delivery (AGWD) .75% Low Angle Strafe (LA) 3% Live Ordnance (LO) 5% IMC Weapon Release (IW) 5% Electronic Combat (EC) 10% Laser Use Auth. (LU) 10% Lights Out Capable (LC) 5% Flare Auth. (FA) 5% Chaff Auth. (CA) Each of the subcategories use the following general pattern for calculating them: Check the corresponding subcategory in formula #1266. If it would get 0 points for that subcategory, get 0 points here also. Otherwise, Compute a raw total for the subcategory for the base according to this formula: For each airspace: If the distance to the airspace is > 150 miles, get 0 points. Otherwise, if the distance to the airspace = 150 miles, get 10 points. Otherwise, if the distance to the airspace = 50 miles, get 100 points. Otherwise, pro-rate the distance to the airspace from 50 miles to 150 miles on a 100 to 10 point scale. Once you have a base raw subcategory total, find the highest, and the lowest, non-zero raw total for the subcategory across all bases. If the raw total = 0, that subcategory score = 0. Else, if the raw total = the highest raw total, the subcategory score = 100. Else, if the raw total = the lowest, non-zero raw total, the subcategory score = 10. Else, pro-rate the raw total between the lowest non-zero raw total and the highest raw total on a 10 to 100 scale. Once each score for each subcategory is known, multiply them by their respective weighting percentage and total the results for the overall score. The overall mechanism is very similar to that of formula #1266.
Source	FLIP AP-1A; IFR Supp; Falcon View or other certified flight planning software

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Formula Sheet for **Ellsworth AFB**

MCI: **Fighter**

Formula	1245.00	
Title	Proximity to Airspace Supporting Mission (ASM)	
Formula Score	11.20	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	22.08	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.47	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	19.61	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field		
1	Air/Space Operations	9	.	Runways
1	Air/Space Operations	9	.7	Length
1	Air/Space Operations	9	.8	Width
1	Air/Space Operations	9	.15	Serviceable (5)
1	Air/Space Operations	1245	.	Airspace - Distance to Airspace
1	Air/Space Operations	1245	.1	Airspace/Route Designator
1	Air/Space Operations	1245	.2	Distance to Airspace/Route
2	Army Operations	1274	.	Airspace Attributes - Ranges (2 of 2)
2	Army Operations	1274	.2	Airspace Volume: at least 2,100NM cubed; altitude block >=20,000'
2	Army Operations	1274	.3	Flare
2	Army Operations	1274	.4	Chaff
2	Army Operations	1274	.5	Live Ordnance
27	Ranges	1266	.	Airspace Attributes - Ranges (1 of 2)
27	Ranges	1266	.3	Scoreable range complexes/target array
27	Ranges	1266	.4	Air to Ground Weapons Delivery
27	Ranges	1266	.5	Low Angle Strafe Authorized
27	Ranges	1266	.6	IMC weapons release
27	Ranges	1266	.7	Electronic Combat
27	Ranges	1266	.8	Laser Use Authorized
27	Ranges	1266	.9	Lights-Out Capable

Formula Sheet for **Ellsworth AFB**

MCI: **Fighter**

Formula	1246.00
Title	Proximity to Low Level Routes Supporting Mission
Criterion	Current / Future Mission
Attribute	Geo-locational Factors
Formula	Check the distance to all Airspace for Special Use (IR/VR routes) within 150NM radius of the installation.

If installation has no runway or active runway, or no serviceable, suitable runway then score 0 pts.

For a list of routes, see OSD Question 1246. The type of route can be found in column 1. Entry point distances are found in column 2. Exit point distances are found in column 3. For distances, N/A means 0 points.

IR Entry points, IR Exit points, VR Entry points and VR Exit points are each worth 25% of the score.

(.25 * "IR Entry") + (.25 * "IR Exit") + (.25 * "VR Entry") + (.25 * "VR Exit")

Entry and Exit Point:

Within each of the above four categories, award each route points as follows:

If the distance = N/A, get 0 points.
Otherwise, the distance is <= 50 Nautical Miles (NM), get 100 points.
Otherwise, if the distance is = 150 NM, get 10 points.
Otherwise, pro-rate the distance between 50 NM and 150 NM on a 100 to 10 point scale.

Total the number of points received above for each base for each of the above four categories.

Get the highest base score in each of the above four categories.
Get the lowest, non-zero score in each of the above four categories.

If the installation's score for one of the above categories = 0, it remains 0.
Otherwise, if the installation's score for one of the above categories = the highest score in its respective category, get 100 points.
Otherwise, if the installation's score for one of the above categories = the lowest non-zero score in its respective category, get 10 points.
Otherwise, pro-rate the installation's score between the lowest non-zero and highest score in its respective category on a 10 to 100 point scale.

Example:

Two IR routes and 1 VR route.

IR Route Alpha has an entry point 35 miles away and an exit point 100 miles away.
IR Route Bravo has an entry point 150 miles away and an exit point 160 miles away.

Alpha's entry point is within 50 miles, so its IR Entry amount is 100 points. The exit point 100 miles distant is 50 percent of the way between 50 and 150 miles, so its IR Exit point amount is 55 points.

Bravo's entry point is 150 miles away, so its IR Entry amount is 10 points. The exit point is 160 miles away, so its amount is 0 points.

The IR Entry total for these two routes is 100 + 10 for 110 points. The total IR Exit total for these two routes is 55 + 0 for 55 points.

The highest IR Entry total for any base is 165 and the lowest non-zero IR Entry total for any base is 30.
The highest IR Exit total for any base is 105 and the lowest non-zero IR Exit total for any base is 5.

Formula Sheet for Ellsworth AFB
MCI: Fighter

Formula	1246.00
Title	Proximity to Low Level Routes Supporting Mission

So, this base's IR Entry score is 100, because 165 is equal to the highest score of any base.
Pro-rating the IR Exit total of 55 between 5 and 105 on a 10 to 100 point scale gives this base an IR Exit score of 55.

VR Route Charlie has an entry point 40 miles away and an exit point 45 miles away.

Both the entry and exit point are within 50 miles, so both the VR Entry and VR Exit category amounts get 100 points.
As there is only one VR route, that makes the VR route totals the same, 100 points each.

The highest VR Entry total for any base is 300 and the lowest non-zero VR Entry total for any base is 50 points.
Ditto for the VR Exit totals.

So, this base's VR Entry score of 100 is pro-rated between 50 and 300 on a 10 to 100 scale. Since 100 is 20% of the way from 50 to 300, the VR Entry score is 28 points.
Ditto for the VR Exit totals.

By applying the 25% weighting to each of the four category scores, in IR Entry, IR Exit, VR Entry and VR Exit order, we get the overall score:

(.25 * 100) + (.25 * 55) + (.25 * 28) + (.25 * 28), for an overall score of 52.75 points.

Source	FLIP AP-1B; IFR Supp; Falcon View or other certified flight planning software	
Formula Score	17.45	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	7.25	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.26	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	5.98	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)
1	Air/Space Operations	1246 .	Airspace - Distance to Routes
1	Air/Space Operations	1246 .1	Route Designator

Formula Sheet for Ellsworth AFB
MCI: Fighter

Formula	1250.00
Title	Area Cost Factor
Criterion	Cost of Ops / Manpower
Attribute	Cost Factors

Formula

Evaluate the Area Cost Factor for each installation.

Find the lowest area cost factor listed for that installation. See OSD question 1250, column 2 for this data.

If the area cost factor <= 0.78, get 100 points.
Otherwise, if the area cost factor >= 1.42, get 0 points.
Otherwise, pro-rate the area cost factor between 0.78 and 1.42, on a 100 to 0 point scale.

Example:

The lowest area cost factor for the base is 1.3. 1.3 is 81.25% of the way between 0.78 and 1.42, so the score is 18.75 points.

Source	DoD Facilities Pricing Guide, Table B, March 2004	
Formula Score	76.56	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.25	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.96	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.29	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
4	CE Programming	1250 .	Area Cost Factor
4	CE Programming	1250 .2	Area Cost Factor

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Formula Sheet for **Ellsworth AFB**

MCI: **Fighter**

Formula	1266.00
Title	Range Complex (RC) Supports Mission
Criterion	Condition of Infrastructure
Attribute	Operating Areas
Formula	If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. All airspace over 150 Nautical Miles (NM) away will be ignored. See OSD # 1245, column 2. (N/A means more than 250 NM.) Data is in OSD #s 1266, 1245 and 1274 must be matched via column 1 in each question. Calculate each of the subcategories scores listed below, and weight as listed. 15% Airspace Volume (AV) 15% Operating Hours (OH) 10% Scoreable Range (SR) 11.25% Air to Ground Weapons Delivery (AGWD) .75% Low Angle Strafe (LA) 3% Live Ordnance (LO) 5% IMC Weapon Release (IW) 10% Electronic Combat (EC) 10% Laser Use Auth. (LU) 10% Lights Out Capable (LC) 5% Flare Auth. (FA) 5% Chaff Auth. (CA) Each of the subcategories use the following general pattern for calculating them: Compute a raw total for the base by following the instructions for the respective subcategory total. Find the highest, and the lowest, non-zero raw total for the subcategory across all bases. If the raw total = 0, that subcategory score = 0. Else, if the raw total = the highest raw total, the subcategory score = 100. Else, if the raw total = the lowest, non-zero raw total, the subcategory score = 10. Else, pro-rate the raw total between the lowest non-zero score and the highest score on a 10 to 100 scale. Once each score for each subcategory is known, multiply them by their respective weighting percentage and total the results for the overall score. AV Raw Total: Get AV for the pts. See OSD # 1277, column 1. (N/A means 0.) OH Raw Total: Sum the pts for each airspace: If the OH < 1 or = N/A, get 0 pts. See OSD # 1266, column 2. Else, if the OH = 1 or IMTMT or INTMT, get 10 pts. Else, if the OH = 24 or NOTAM, get 100 pts. Else, pro-rate the OH between 0 and 24 on a 10 to 100 point scale. SR Raw Total: Sum the pts for each airspace: If the SR = Yes, get 100 pts. See OSD # 1266, column.3. Else, get 0 pts. AGWD Raw Total: Sum the pts for each airspace:

Formula Sheet for **Ellsworth AFB**

MCI: **Fighter**

Formula	1266.00
Title	Range Complex (RC) Supports Mission
	If the AGWD = Yes, get 100 pts. See OSD # 1266 column 4. Else, get 0 pts. LA Raw Total: Sum the pts for each airspace: If the LA = Yes, get 100 pts. See OSD # 1266 column 5. Else, get 0 pts. LO Raw Total: Sum the pts for each airspace: If LO = Yes, get 100 pts. See OSD # 1274, column 5. Else, get 0 pts. IW Raw Total: Sum the pts for each airspace: If IW = Yes, get 100 pts. See OSD # 1266, column 6. Else, get 0 pts. EC Raw Total: Sum the pts for each airspace: If EC = Yes, get 100 pts. See OSD # 1266, column.7. Else, get 0 pts. LU Raw Total: Sum the pts for each airspace: If LU = Yes, get 100 pts. See OSD # 1266, column 8. Else, get 0 pts. LC Raw Total Sum the pts for each airspace: If LC = Yes, get 100 pts. See OSD # 1266, column 9. Else, get 0 pts. FA Raw Total Sum the pts for each airspace: If FA = Yes, get 100 pts. See OSD # 1274, column 3. Else, get 0 pts. CA Raw Total Sum the pts for each airspace: If CA = Yes, get 100 pts. See OSD # 1274, column 4. Else, get 0 pts. Example: AV = 20,000, get 20,000 pts; 10.

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Formula Sheet for **Ellsworth AFB**

MCI: **Fighter**

Formula	1266.00
Title	Range Complex (RC) Supports Mission

There are two airspaces within 150 NM, and they both have these characteristics (which means their raw totals will be double the number of pts listed) followed by the lowest non-zero and highest raw totals across all bases and subcategory scores.

OH = NOTAM, get 100 pts; 20,000 to 150,000 pts; 10.
SR = Yes, get 100 pts; 200 to 500 pts; 10.
AGWD = No, get 0 pts; 200 to 1000 pts; 10.
LA = No, get 0 pts; 200 to 1000 pts; 0.
LO = Yes, get 100 pts; 500 to 1000 pts; 10.
IW = N/A, get 0 pts; 200 to 2000 pts; 0.
EC = N/A, get 0 pts; 200 to 1000 pts; 0.
LU = Yes, get 100 pts; 100 to 1000 pts; 20.
LC = Yes, get 100 pts; 200 to 1000 pts; 10.
FA = No, get 0 pts; 100 to 1000 pts; 0.
CA = No, get 0 pts; 100 to 1000 pts; 0.

Weighted, the overall score = 8.425 pts.

Source	FLIP AP-1A; Falcon View or other certified flight planning software	
Formula Score	51.10	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	11.95	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	6.11	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	5.84	The difference between Max Points and Earned Points.

Formula Sheet for **Ellsworth AFB**

MCI: **Fighter**

Formula	1266.00
Title	Range Complex (RC) Supports Mission

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
1	Air/Space Operations	1245 .	Airspace - Distance to Airspace
1	Air/Space Operations	1245 . 2	Distance to Airspace/Route
1	Air/Space Operations	1277 .	Airspace Attributes - Volume
1	Air/Space Operations	1277 . 1	150NM radius
2	Army Operations	1274 .	Airspace Attributes - Ranges (2 of 2)
2	Army Operations	1274 . 3	Flare
2	Army Operations	1274 . 4	Chaff
2	Army Operations	1274 . 5	Live Ordnance
27	Ranges	1266 .	Airspace Attributes - Ranges (1 of 2)
27	Ranges	1266 . 1	Airspace Designator
27	Ranges	1266 . 2	Operating Hours
27	Ranges	1266 . 3	Scoreable range complexes/target array
27	Ranges	1266 . 4	Air to Ground Weapons Delivery
27	Ranges	1266 . 5	Low Angle Strafe Authorized
27	Ranges	1266 . 6	IMC weapons release
27	Ranges	1266 . 7	Electronic Combat
27	Ranges	1266 . 8	Laser Use Authorized
27	Ranges	1266 . 9	Lights-Out Capable

Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	1269.00
Title	Utilities cost rating (U3C)
Criterion	Cost of Ops / Manpower
Attribute	Cost Factors
Formula	Check the Utilities Costs and Climatic Consideration (U3C) Rating for the installation. If the U3C rating is <= .59, get 100 points. See OSD Question 1269, column 1 for this data. Otherwise, if the U3C rating is >= 2.29, get 0 points. Otherwise, pro-rate the U3C rating between .59 and 2.29 on a 100 to 0 scale. Example: The U3C rating is 1.6. 1.6 is 59.41% of the way between .59 and 2.29, so the score is 40.59.
Source	ASHRAE Standards; DoD 5126.46-M-2, Defense Utility Energy Reporting System; UFC 3-400-02, DOE Website: Buildings Energy Databook: Table 7.4 Typical Commercial Buildings

Formula Score	99.41	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	0.13	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.12	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
35	Utilities	1269 .	Utilities Cost Rating (U3C)
35	Utilities	1269 . 1	Answer

Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	1270.00
Title	Suitable Auxiliary Airfields Within 50NM
Criterion	Current / Future Mission
Attribute	Geo-locational Factors
Formula	Identify runways within 50 NM of the installation that are 8,000ft x 150ft or greater and are suitable for use as an auxiliary runway. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. For each airfield listed in OSD Question 1270, if it is > 50 nautical miles (NM) away, it is not qualified to be counted. See OSD Question 1270, column 2 for this data. (N/A equals not qualified.) If the count >= 3, get 100 points. Otherwise, if the count = 2, get 75 points. Otherwise, if the count = 1, get 50 points. Otherwise, get 0 points. Example: There are three airfields listed, Alpha, Bravo and Charlie, at distances away of 20, 40, and 200 NM away respectively. Alpha and Bravo are both within the 50 NM limit, so they are qualified. Charlie is 200 NM away, which is > 50 NM, so it is not qualified. The number of qualified airfields for auxiliary use = 2, which results in a score of 75 points.
Source	FLIP and Falcon View (or any other certified flight planning software)

Formula Score	50.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	5.18	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.59	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	2.59	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
39	Airfield Management	1270 .	Air Operations - Auxiliary Airfield
39	Airfield Management	1270 . 1	Airfield Name
39	Airfield Management	1270 . 2	Distance Main Runway to Aux field

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Formula Sheet for **Ellsworth AFB**

MCI: **Fighter**

Formula	1271.00
Title	Prevailing Installation Weather Conditions
Criterion	Current / Future Mission
Attribute	Operating Environment
Formula	Check the average number of days annually the prevailing weather is better than 3000'/3 Nautical Miles (NM). If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. If the average number of days >= 300, get 100 points. See OSD question 1271, column 3 for this data. Otherwise, if the average number of days <= 250, get 0 points. Otherwise, pro-rate the average number of days between 250 and 300 on a 0 to 100 scale. Example: The average number of days annually where the prevailing weather is better than 3000'/3 NM is 275. 275 is halfway between 250 and 300, for a score of 50.
Source	AFCCC Climatological tables

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	5.52	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	5.52	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
39	Airfield Management	1271 .	Air Operations - Prevailing Weather
39	Airfield Management	1271 . 3	Weather > 3000'/3NM

Formula Sheet for **Ellsworth AFB**

MCI: **Fighter**

Formula	1402.00
Title	BAH Rate
Criterion	Cost of Ops / Manpower
Attribute	Cost Factors
Formula	Check the 2004 monthly BAH rate for an O-3 with dependents. See OSD question 1402, column 1 for this data. If the BAH rate <= 746, get 100 points. Otherwise, if the BAH rate >= 2013, get 0 points. Otherwise, pro-rate the BAH rate between 746 and 2013 on a 100 to 0 scale. Example: The BAH rate is 974. 974 is 18% between 746 and 2013, which results in a score of 82.00.
Source	www.dtic.mil/perdiem/bah.html

Formula Score	80.19	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	0.88	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.70	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.17	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
13	Finance	1402 .	BAH Rate
13	Finance	1402 . 1	BAH Rate

Formula Sheet for Ellsworth AFB

MCI: Fighter

Formula	1403.00
Title	GS Locality Pay Rate
Criterion	Cost of Ops / Manpower
Attribute	Cost Factors
Formula	Check the 2004 locality pay rate for the GS pay schedule. See OSD question 1403, column 1 for this data. (N/A equals 0.) If the pay rate <= 10.90, get 100 points. Otherwise, if the pay rate >= 20.37, get 0 points. Otherwise, pro-rate the pay rate between 10.90 and 20.37 on a 100 to 0 scale. Example: The pay rate is 14.31, which is 36.01% of the way between 10.90 and 20.37, which results in a score of 63.99.
Source	Office of Personnel Management Web page

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	0.25	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.25	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
13 Finance	1403 .	GS Locality Pay Rate
13 Finance	1403 . 1	GS Locality Pay Rate

Formula Sheet for Ellsworth AFB

MCI: SOF / CSAR

Formula	8.00
Title	Ramp Area and Serviceability
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Total the square yardage of every serviceable ramp at the installation. See OSD Question 8, column 9 to determine serviceability. (N/A means not serviceable.) See OSD Question 8, column 2 for the square yardage of that ramp. If the total square yards of serviceable ramp is >= 240,000, get 100 points. Otherwise, if the total square yards of serviceable ramp is >= 139,000, get 75 points. Otherwise, if the total square yards of serviceable ramp is >= 60,000, get 25 points. Otherwise, get 0 points. Example: The installation has three ramps, Alpha, Bravo and Charlie. Alpha and Bravo are both fully serviceable and active; Charlie is not serviceable because of major sinkholes that have developed. Alpha has 50,000 square yards, Bravo has 20,000 square yards, and Charlie has 200,000 square yards, for a total of 70,000 serviceable square yards of ramps. This number is between 60,000 and 139,000, so it falls into the 25 point range.
Source	FLIP; AFCESA Pavement Evaluation/Condition Report/Survey; Existing Record Drawings or Physical Verification; Base Real Property Records

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	4.67	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	4.67	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
1 Air/Space Operations	9 .	Runways
1 Air/Space Operations	9 . 7	Length
1 Air/Space Operations	9 . 8	Width
1 Air/Space Operations	9 . 15	Serviceable (5)
28 Real Property	8 .	Ramp/Apron Space
28 Real Property	8 . 2	Area
28 Real Property	8 . 9	Serviceable (2)

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Formula Sheet for Ellsworth AFB

MCI: SOF / CSAR

Formula	9.00
Title	Runway Dimension and Serviceability
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Check the dimension of all serviceable runways that support the installation. Calculate a score for each runway at the installation as follows: If the runway is not serviceable, get 0 points. See OSD Question 9, column 15 for this data. (N/A means no.) Otherwise, if the runway is < 150' wide, get 0 points. See OSD Question 9, column 8 for this data. (N/A means no.) Otherwise, if the runway is < 8,000' long, get 0 points. See OSD Question 9, column 7 for this data. (N/A means 0.) Otherwise, if the runway is >= 10,000' long, get 100 points. Otherwise, pro-rate the runway length from 8,000' to 10,000' on a 50 to 100 scale to get the points. The overall score is the highest score received by any one runway. Example: An installation has two runways, Alpha and Bravo. Alpha is 12,000' long, 160' wide, and full of huge holes because it has partially been demolished, so it is not serviceable. Bravo is 9,000' long and 152' wide, plus it is fully serviceable. Runway Alpha scores 0 points because it isn't serviceable. Runway Bravo meets all the specified criteria so it gets some points. 9,000' is halfway between 8,000' and 10,000', so Runway Bravo gets 75 points. Runway Bravo has the highest score for any runway at the installation, so its score of 75 is used for the installation's score.
Source	FLIP; AFCESA Pavement Evaluation/Condition Report/Survey; Existing Record Drawings or Physical Verification; Base Real Property Records

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.80	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.80	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
1 Air/Space Operations	9 .	Runways
1 Air/Space Operations	9 . 7	Length
1 Air/Space Operations	9 . 8	Width
1 Air/Space Operations	9 . 15	Serviceable (5)

Formula Sheet for Ellsworth AFB

MCI: SOF / CSAR

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance
Criterion	Contingency, Mobilization, Future Forces
Attribute	Growth Potential
Formula	Check the attainment designation classifications of the installation's NAAQS (National Ambient Air Quality Standard) for the following applicable criteria: Attainment, Nonattainment, Nonattainment (Deferred), Maintenance, and Unclassifiable. Identify the amount of the SIP emissions budget for non-attainment and maintenance criteria pollutants, if any, allocated to the installation. Use the following formula to compute this score: Multiply the Attainment / Emission Budget Growth Allowance MinA by the Attainment / Emission Budget Growth Allowance "B" for the base score. Add the SIP Score to the base score. If the base score is now over 100, reduce it to 100. SIP Score: Sum the Installation SIP Growth Allowance (Tons/Year)" for the following constituents: '001. VOC' and '002. Nox'. See OSD question 221, column 3 for the Installation SIP Growth Allowance (Tons/Year). See OSD Question 221, column 1 for the constituent. If the total is > 0, then SIP Score = 20, otherwise it is 0. Attainment / Emission Budget Growth Allowance MinA and "B": Perform the following calculation for each of the specified criteria pollutants and pick the lowest value from them all. The criteria pollutants are '002. PM10', '004. S02', '005. CO', 007. O3 (8hr)". See OSD Question 213, column 1 for this data. Attainment / Emission Budget Growth Allowance MinA: If the NAAQS Designation is Attainment, Unclassifiable, Nonattainment (Deferred), Unclassifiable/Attainment, Unclassifiable/Attainment (EAC), Nonattainment-deferred (EAC), Attainment (EAC) or N/A, get 100. See OSD Question 213, column 2 for this data. Otherwise, if the NAAQS Designation is Maintenance, get 77.778. Otherwise, if the NAAQS Classification is Marginal, Subpart 1, Moderate, Primary, or Secondary, get 66.667. See OSD Question 213, column 3 for this data. Otherwise, if the NAAQS Classification is Serious, get 43.5. Otherwise, if the NAAQS Classification is Severe, Severe-15, or Severe-17, get 25.714. Otherwise, if the NAAQS Classification is Extreme, get 7. Otherwise, get 0. Attainment / Emission Budget Growth Allowance "B": If the NAAQS Designation is Attainment, Unclassifiable, Nonattainment (Deferred), Unclassifiable/Attainment, Unclassifiable/Attainment (EAC), Nonattainment-deferred (EAC), Attainment (EAC) or N/A, get 1. See OSD Question 213, column 2 for this data. Otherwise, if the NAAQS Designation is Maintenance, get .9.

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Formula Sheet for **Ellsworth AFB**

MCI: **SOF / CSAR**

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance

Otherwise, if the NAAQS Classification is Marginal, Subpart 1, Moderate, Primary, or Secondary, get .9. See OSD Question 213, column 3 for this data.

Otherwise, if the NAAQS Classification is Serious, get .8.

Otherwise, if the NAAQS Classification is Severe, Severe-15, or Severe-17, get .7.

Otherwise, if the NAAQS Classification is Extreme, get 1.

Otherwise, get 0.

Example:

The NAAQS Designation for 002. PM10 is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9.
The NAAQS Designation for 004. S02 is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9
The NAAQS Designation for 005. CO is Nonattainment and the NAAQS Classification is Severe, which means 25.714 * .8.
The NAAQS Designation for 007. O3 (8hr)* is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9.

25.714 * .8, which equals 20.5712, is the lowest value, so it becomes the base score.

The Installation SIP Growth Allowance (Tons/Year) for 001. VOC is 0, for 002. Nox it is 1. As the total of these two values is > 0, the SIP Score = 20, which needs to be added to the base score of 20.5712, for a new base score of 40.5712. This is less than 100, so it does not need to be reduced to 100, which makes the final score = 40.5712.

Source	DoD#213: Current Edition of 40 CFR 81; or Federal Register; or Federal Register Citation to EPA's "final rule" approving the area's "maintenance plan" and "redesignation" of the area to "attainment status" DoD#221: State Implementation Plan	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.68	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.68	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Formula Sheet for **Ellsworth AFB**

MCI: **SOF / CSAR**

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance

Supporting Data

Section		Question.Field	
12	Environment	213 .	Air Quality Attainment
12	Environment	213 .2	NAAQS Designation
12	Environment	213 .3	NAAQS Classification
12	Environment	221 .	SIP Emissions Budget
12	Environment	221 .1	Criteria Pollutant
12	Environment	221 .3	(b) Installation SIP Growth Allowance

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Formula Sheet for **Ellsworth AFB**

MCI: SOF / CSAR

Formula	1205.10
Title	Buildable Acres for Industrial Operations Growth
Criterion	Contingency, Mobilization, Future Forces
Attribute	Growth Potential
Formula	Identify the number of "buildable," unconstrained,development acres available for industrial operations. Sum the number of suitable acres at the installation. See OSD Question 1205, column 3 for the data. (N/A means 0.) If the number of acres is >= 150, get 100 points. If < 5 acres, get 0 points. Otherwise, pro-rate the number of acres between 5 and 150 on a 0 to 100 point scale. Example: There are three separate tracts of land that are suitable, comprised of 10, 22.5, and 45 acres respectively, for a total of 77.5 acres. 72.5 is halfway between 5 and 150 acres, so the score is 50.
Source	AFI 32-7062, AICUZ Study Base Comprehensive Plan component plans such as Cultural Resource Management Plans, Natural Resource Management Plans and special studies, Base comprehensive plan maps

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.96	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.96	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
4 CE Programming	1205 .	Installation - Unconstrained Development Acreage
4 CE Programming	1205 . 3	Total Unconstrained, Buildable Industrial Operations

Formula Sheet for **Ellsworth AFB**

MCI: SOF / CSAR

Formula	1205.20
Title	Buildable Acres for Air Operations Growth
Criterion	Contingency, Mobilization, Future Forces
Attribute	Growth Potential
Formula	Buildable acres for air operations growth. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Sum the number of suitable acres at the installation. See OSD Question 1205, column 5 for the data. (N/A means 0.) If the number of acres is >= 150, get 100 points. If < 5 acres, get 0 points. Otherwise, pro-rate the number of acres between 5 and 150 on a 0 to 100 point scale. Example: There are three separate tracts of land that are suitable, comprised of 10, 22.5, and 45 acres respectively, for a total of 77.5 acres. 72.5 is halfway between 5 and 150 acres, so the score is 50.
Source	AFI 32-7062, AICUZ Study Base Comprehensive Plan component plans such as Cultural Resource Management Plans, Natural Resource Management Plans and special studies, Base comprehensive plan maps

Formula Score	21.38	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.96	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.42	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	1.54	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
1 Air/Space Operations	9 .	Runways
1 Air/Space Operations	9 . 7	Length
1 Air/Space Operations	9 . 8	Width
1 Air/Space Operations	9 . 15	Serviceable (5)
4 CE Programming	1205 .	Installation - Unconstrained Development Acreage
4 CE Programming	1205 . 5	Total Unconstrained, Buildable Airfield Operations/ Maintenance

Formula Sheet for Ellsworth AFB

MCI: SOF / CSAR

Formula	1207.00
Title	Level of Mission Encroachment
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Characterize the level of encroachment for the area in which the installation is located.

There are four categories of acres for this purpose: 65-69, 70-74, 75-79, and 80+. See OSD Question 1208, column 1 for this data.

For each category, compute a category total as follows:

If the total acres in that category = 0, get 0 points. See OSD question 1208, column 5. (N/A means 0.)
Otherwise, compute the ratio of residential acres to the respective total acres. See OSD question 1208, columns 4 for residential acres. (N/A means 0.)

Subtract the 65-69 category total from 1, then multiply the result by 0.13.
Subtract the 70-74 category total from 1, then multiply the result by 0.19.
Subtract the 75-79 category total from 1, then multiply the result by 0.28.
Subtract the 80+ category total from 1, then multiply the result by 0.4.

Add the above 4 amounts together and multiply the result by 100 for the raw total.

Add these points to the raw total as follows:

If the installation purchased "Restrictive Easements" on undeveloped or developed land, add 7 points. See OSD Question 1209, columns 2 and 3 for this data, where a Yes in either qualifies for the 7 points. (N/A means no.)

If the installation confirms "Land Use Controls that Correlate w/ AICUZ-JLUS Recommendation.", add 5 points. See OSD Question 1209, column 5 for this data, where a Yes qualifies for the 5 points. (N/A means no.)

If the installation is in a state that has Mandatory Coordination of Development Proposals or there is a Local Joint Land Use Coordinating Board, add 1 point. See OSD Question 1209, columns 6 or 8 for this data, where a Yes in either qualifies for the 1 point.

The above process can compute a score from 0 to 113.
If the computed score is > 100, it is dropped to 100.

Example:

60-65 Residential acres: 50
60-65 Total acres: 100
70-74 Residential acres: 50
70-74 Total acres: 100
75-79 Residential acres: 50
75-79 Total acres: 100
80+ Residential acres: 50
80+ Total acres: 100

Restrictive Easements = Yes (column 2) and No (column 3)
Land Use Controls ... = N/A
Mandatory Coordination ... = No and No.

((1 - (50 / 100)) * 0.13)
+ ((1 - (50 / 100)) * 0.19)
+ ((1 - (50 / 100)) * 0.28)

Formula Sheet for Ellsworth AFB

MCI: SOF / CSAR

Formula	1207.00
Title	Level of Mission Encroachment

+ ((1 - (50 / 100)) * 0.4)
+ 7
+ 0
+ 0 for a score of 7.5 points.

Source	1207: AFI 32-7063, AFH 32-7084, AICUZ Report, Base Comprehensive Plan F Series maps or D Series as noted in AFI 32-7062 Atch7, local governmental zoning or land use planning authorities; 1208: AFI 32-7063, AICUZ Report, MAJCOM Approved Noise Study; 1209: State legislation, local referendums to purchase lands, zoning ordinance, noise exposure maps, noise control plans, documentation of state purchases of land

Formula Score	89.72	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.49	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.34	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.15	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
4	CE Programming	1208 .	Installation - Encroachment (2 of 3)
4	CE Programming	1208 . 4	Residential
4	CE Programming	1208 . 5	Total Acres
4	CE Programming	1209 .	Installation - Encroachment (3 of 3)
4	CE Programming	1209 . 2	Purchased Restrictive Easements On Undeveloped Land (1)
4	CE Programming	1209 . 3	Purchased Restrictive Easements On Currently Developed Land (2)
4	CE Programming	1209 . 5	Land Use Controls that Correlate w/ AICUZ-JLUS Recommendation (4)
4	CE Programming	1209 . 6	Mandatory Coordination of Development Proposals (5)
4	CE Programming	1209 . 8	Local Joint Land Use Coordination Board (7)

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Formula Sheet for Ellsworth AFB
MCI: SOF / CSAR

Formula	1214.00	
Title	Fuel Dispensing Rate to Support Mobility and Surge	
Criterion	Contingency, Mobilization, Future Forces	
Attribute	Mobility/Surge	
Formula	Check the installation's sustained jet fuel dispensing rate capability. Sum the JP5 and JP8 figures for jet fuel dispensing. See OSD Question 1214, column 4, for both JP5 and JP8. (N/A equals 0.) If the sum is >= 2,500,000 gallons, get 100 points. If the sum is = 0 gallons, get 0 points. Otherwise, pro-rate the sum of gallons between 0 and 2,500,000 on a 0 to 100 point scale. Example: JP5 can handle 500,000 gallons. JP8 can handle 750,000 gallons, for a total of 1,250,000 gallons. 1,250,000 is halfway between 0 and 2,500,000 gallons, for a score of 50.	
Source	Base Support Plan as required by AFI 10-404, Attachment 20	
Formula Score	63.36	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.76	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.12	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.64	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)
15	Fuel	1214 .	POL - Maximum Dispensing Rate
15	Fuel	1214 .1	Jet Fuel Dispensing Rate
15	Fuel	1214 .4	Sustained Jet Fuel Dispensing Rate

Formula Sheet for Ellsworth AFB
MCI: SOF / CSAR

Formula	1232.00	
Title	Sufficient Explosives-sited Parking	
Criterion	Condition of Infrastructure	
Attribute	Key Mission Infrastructure	
Formula	List the number of explosives-sited parking spots by MDS (Mission Design Series). If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Total the number of explosives sited parking spots. See OSD Question 1232, column 2 for this data. (N/A equals 0.) If the total >= 10, get 100 points. Otherwise, if the total >= 9, get 66 points. Otherwise, if the total >= 8, get 33 points. Otherwise, get 0 points. Example: The installation has two listings for explosive sited parking spots, with 5 and 4 respectively, which totals to 9. 9 is between 9 and 10, so the score is 66 points.	
Source	AFMAN 91-201, Explosives Safety Standards; Installation Explosives Site Plan	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.24	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.24	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)
36	Safety	1232 .	Munitions - Live Load Area
36	Safety	1232 .2	Number of Sited Parking Spots

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Formula Sheet for **Ellsworth AFB**

MCI: SOF / CSAR

Formula	1233.00
Title	Sufficient Munitions Storage
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	List maximum explosive capacity for the installation's hazard classification Class 1.1 munitions storage areas, in pounds. Maximum assumes one AC-130 squadron of 12 PAA and minimum of 8 PAA and 3 PAA HH-60 (HH-60 storage requirement absorbed by AC-130 capacity with no lost capability). If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Otherwise, total the capacity. See OSD question 1233, column 1 for this data. (N/A means 0.) If the total >= 564460, get 100 points. Otherwise, if the total >= 376380, get 75 points. Otherwise, get 0 points. Example: There are two storage areas, with a capacity of 200,000 each, for a total of 400,000. 400,000 is between 376,380 and 564,660, so the score is 75 points.
Source	AFMAN 91-201, Explosives Safety Standards; Installation Explosives Site Plan.

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.80	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.80	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
36	Safety	1233 .	Munitions - Explosive Capacity w/o Waivers
36	Safety	1233 . 1	Hazard Class 1.1

Formula Sheet for **Ellsworth AFB**

MCI: SOF / CSAR

Formula	1235.00
Title	Installation Pavements Quality
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Identify if the installation pavement for the primary runway can support SOF / CSAR aircraft operations. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Compute the runway pavement suitability score and the apron pavement suitability score. Each of these is worth 50% of the overall score. Runway Pavement Suitability: Find the highest PCN among all the runways. See OSD Question 1235, column 3 for this data. (N/A means 0.) Compute a score for every runway with that PCN and use the highest scoring runway. Score the runway for runway pavement suitability as follows: If the PCN is N/A or 0, get 0 points. Otherwise, if the C-5B ACN divided by the PCN = 0, get 0 points. See OSD Question 1236, column 6 for the C-5B ACN. (N/A means 0.) Otherwise, if the C-5B ACN divided by the PCN <= 1.0, then get 100 points. Otherwise, if the C-5B ACN divided by the PCN <= 1.1, then get 75 points. Otherwise, get 0 points. Apron pavement suitability: Score each apron for pavement quality and choose the highest scoring apron. Get the C-5B ACN. See OSD Question 1240, column 8 for this data. (N/A means 0.) If the PCN is 0 or N/A, get 0 points. See OSD Question 1239, column 4 for this data. Otherwise, sum the apron pavement square yardage (see OSD Question 1239, column 2) where the C-5B ACN divided by the PCN > 0 and <= 1.0. If the C-5B square yardage >= 240,000, get 100 points. Otherwise, if the C-5B square yardage >= 120,000, get 50 points. Otherwise, if the C-5B square yardage >= 60,000, get 25 points. Otherwise, get 0 points. Example: There are 2 runways on the base, but one has the highest runway pavement PCN value, which is 60. The ACN for a C-5B on that runway is 40, 40 divided by 60 is <= 1.0, so the base gets 100 pts for runway pavement suitability. There are 2 apron pavements on the base. Apron Alpha has a PCN of 50 and 100,000 square yards of surface. Apron Bravo has a PCN of 30 and 150,000 square yards. The ACN for C-5Bs on both aprons is 45. Apron Alpha's ACN/PCN ratio for C-5Bs is 45/50, which is less that 1.0. This counts as 100,000 square yards for the C-5B Apron Bravo's ACN/PCN ratio for C-5Bs is 45/30, which is more than 1.0, so it's square yards aren't counted towards C-5B square yardage. This gives us a total of 100,000 C-5B square yards, which is between the 60,000 and 120,000 C-5B square yards needed for a score of 25 points. 50% of the Runway pavement suitability score of 100 equals 50. 50% of the apron pavement score of 25 equals 12.5. 50 plus 12.5 equals a score of 62.5

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Formula Sheet for Ellsworth AFB
MCI: SOF / CSAR

Formula	1235.00	
Title	Installation Pavements Quality	
Source	AFCESA Pavement Evaluation Report and Base General Plan; Existing Record Drawings or Physical Verification; Base Real Property Records; FLIP; ASSR	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	4.67	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	4.67	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
37	Airfield Pavements	1235 .	Airfield Pavements - Runway (1 of 2)
37	Airfield Pavements	1235 . 3	Controlling Feature PCN
37	Airfield Pavements	1236 .	Airfield Pavements - Runway (2 of 2)
37	Airfield Pavements	1236 . 6	ACN for C-5B at 840 Kips
37	Airfield Pavements	1239 .	Airfield Pavements - Aprons (1 of 2)
37	Airfield Pavements	1239 . 2	Total Size of Primary Facility (2)
37	Airfield Pavements	1239 . 4	Predominant Feature PCN (4)
37	Airfield Pavements	1240 .	Airfield Pavements - Aprons (2 of 2)
37	Airfield Pavements	1240 . 8	ACN for C-5B at 840 Kips

Formula Sheet for Ellsworth AFB
MCI: SOF / CSAR

Formula	1241.00	
Title	Ability to Support Large-Scale Mobility Deployment	
Criterion	Contingency, Mobilization, Future Forces	
Attribute	Mobility/Surge	
Formula	Check installation's parking MOG for C-17 equivalents using surveyed/approved transient parking ramps. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Find the total number of C-17 MOGs. See OSD Question 1241, column 1 for this data. If the total is >= 10, get 100 points. Otherwise, get 0 points. Example: There are a total of 3 C-17 MOGs. 3 is between 0 and 10, so the score is 0 points.	
Source	ASR (Airfield Suitability Report)	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.64	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.64	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
39	Airfield Management	1241 .	Ramp - Transient Capability
39	Airfield Management	1241 . 1	C-17 MOG

Formula Sheet for Ellsworth AFB
MCI: SOF / CSAR

Formula	1242.00	
Title	ATC Restrictions to Operations	
Criterion	Current / Future Mission	
Attribute	Operating Environment	
Formula	List the percentage of installation departures delayed by Air Traffic Control. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Check the Delayed Departures Percentage. See OSD question 1242, column 5 for this data. If the percentage delayed = 0, get 100 points. Otherwise, if the percentage delayed is >= 3%, get 0 points. Otherwise, pro-rate the percentage delayed between 0 to 3% on a 100 to 0 point scale. Example: The departure percentage delayed is 1%. 1% is one third of the way between 0 and 3%, so the score is 66.67 points.	
Source	CAMS (Computerized Aircraft Maintenance System)/ G081	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	4.14	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	4.14	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
39	Airfield Management	1242 .	Air Operations - Departure Delays
39	Airfield Management	1242 . 5	Precentage Delayed for ATC

Formula Sheet for Ellsworth AFB
MCI: SOF / CSAR

Formula	1243.00	
Title	Airfield Elevation	
Criterion	Current / Future Mission	
Attribute	Geo-locational Factors	
Formula	Check the installation's airfield elevation. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. If the elevation <= 0', get 100 points. See OSD Question 1243, column 1, Otherwise, if the elevation is >= 2800', get 0 points. Otherwise, pro-rate the elevation between 0' and 2800' on a 100 to 0 scale. Example: The elevation is 2100'. 2100' is 75% of the way between 0' and 2800', so the score is 25%.	
Source	IFR Supplement	
Formula Score	0.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	3.68	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.00	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	3.68	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
39	Airfield Management	1243 .	Air Operations - Airfield Elevation
39	Airfield Management	1243 . 1	Answer

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Formula Sheet for Ellsworth AFB

MCI: SOF / CSAR

Formula	1245.00
Title	Proximity to Airspace Supporting Mission (ASM)
Criterion	Current / Future Mission
Attribute	Geo-locational Factors
Formula	If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. All airspace over 200 Nautical Miles (NM) away will be ignored. See OSD # 1245, column 2. (N/A means more than 200 NM.) Data is in OSD #s 1266, 1245 and 1274 must be matched via column 1 in each question. Calculate each of the subcategories scores listed below, and weight as listed. 20% Airspace Volume (AV) 15% Operating Hours (OH) 15% Scoreable Range (SR) 15% Air to Ground Weapons Delivery (AGWD) 5% Live Ordnance (LO) 10% Electronic Combat (EC) 10% Laser Use Authorized (LU) 5% Flare Authorized (FA) 5% Chaff Authorized (CA) Each of the subcategories use the following general pattern for calculating them: Check the corresponding subcategory in formula #1266. If it would get 0 points for that subcategory, get 0 points here also. Otherwise, Compute a raw total for the subcategory for the base according to this formula: For each airspace: If the distance to the airspace is > 200 miles, get 0 points. Otherwise, if the distance to the airspace = 200 miles, get 10 points. Otherwise, if the distance to the airspace = 10 miles, get 100 points. Otherwise, pro-rate the distance to the airspace from 10 miles to 200 miles on a 100 to 10 point scale. Once you have a base raw subcategory total, find the highest, and the lowest, non-zero raw total for the subcategory across all bases. If the raw total = 0, that subcategory score = 0. Else, if the raw total = the highest raw total, the subcategory score = 100. Else, if the raw total = the lowest, non-zero raw total, the subcategory score = 10. Else, pro-rate the raw total between the lowest non-zero raw total and the highest raw total on a 10 to 100 scale. Once each score for each subcategory is known, multiply them by their respective weighting percentage and total the results for the overall score. The overall mechanism is very similar to that of formula #1266.
Source	FLIP AP-1A; IFR Supp; Falcon View or other certified flight planning software

Formula Score	10.69	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	14.72	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.57	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	13.15	The difference between Max Points and Earned Points.

Formula Sheet for Ellsworth AFB

MCI: SOF / CSAR

Formula	1245.00
Title	Proximity to Airspace Supporting Mission (ASM)

Supporting Data

Section		Question.Field		
1	Air/Space Operations	9	.	Runways
1	Air/Space Operations	9	.7	Length
1	Air/Space Operations	9	.8	Width
1	Air/Space Operations	9	.15	Serviceable (5)
1	Air/Space Operations	1245	.	Airspace - Distance to Airspace
1	Air/Space Operations	1245	.1	Airspace/Route Designator
1	Air/Space Operations	1245	.2	Distance to Airspace/Route
2	Army Operations	1274	.	Airspace Attributes - Ranges (2 of 2)
2	Army Operations	1274	.2	Airspace Volume: at least 2,100NM cubed; altitude block >=20,000'
2	Army Operations	1274	.3	Flare
2	Army Operations	1274	.4	Chaff
2	Army Operations	1274	.5	Live Ordnance
27	Ranges	1266	.	Airspace Attributes - Ranges (1 of 2)
27	Ranges	1266	.3	Scoreable range complexes/target array
27	Ranges	1266	.4	Air to Ground Weapons Delivery
27	Ranges	1266	.6	IMC weapons release
27	Ranges	1266	.7	Electronic Combat
27	Ranges	1266	.8	Laser Use Authorized

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Formula Sheet for **Ellsworth AFB**

MCI: SOF / CSAR

Formula	1246.00
Title	Proximity to Low Level Routes Supporting Mission
Criterion	Current / Future Mission
Attribute	Geo-locational Factors

Formula

Check the distance to all Airspace for Special Use (IR/VR routes) within 50 Nautical Mile (NM) radius of the installation.

If installation has no runway or active runway, or no serviceable, suitable runway then score 0 pts.

For a list of routes, see OSD Question 1246. The type of route can be found in column 1. Entry point distances are found in column 2. Exit point distances are found in column 3. For distances, N/A means 0 points.

IR Entry points, IR Exit points, VR Entry points and VR Exit points are each worth 25% of the score.

(.25 * "IR Entry") + (.25 * "IR Exit") + (.25 * "VR Entry") + (.25 * "VR Exit")

Entry and Exit Point:

Within each of the above four categories, award each route points as follows:

If the distance = N/A, get 0 points.
Otherwise, the distance is <= 10 Nautical Miles (NM), get 100 points.
Otherwise, if the distance is = 50 NM, get 10 points.
Otherwise, pro-rate the distance between 10 NM and 50 NM on a 100 to 10 point scale.

Total the number of points received above for each base for each of the above four categories.

Get the highest base score in each of the above four categories.
Get the lowest, non-zero score in each of the above four categories.

If the installation's score for one of the above categories = 0, it remains 0.
Otherwise, if the installation's score for one of the above categories = the highest score in its respective category, get 100 points.
Otherwise, if the installation's score for one of the above categories = the lowest non-zero score in its respective category, get 10 points.
Otherwise, pro-rate the installation's score between the lowest non-zero and highest score in its respective category on a 10 to 100 point scale.

Example:

Two IR routes and 1 VR route.

IR Route Alpha has an entry point 5 miles away and an exit point 30 miles away.
IR Route Bravo has an entry point 50 miles away and an exit point 60 miles away.

Alpha's entry point is within 5 miles, so its IR Entry amount is 100 points. The exit point 30 miles distant is 50 percent of the way between 10 and 50 miles, so its IR Exit point amount is 55 points.

Bravo's entry point is 50 miles away, so its IR Entry amount is 10 points. The exit point is 60 miles away, so its amount is 0 points.

The IR Entry total for these two routes is 100 + 10 for 110 points. The total IR Exit total for these two routes is 55 + 0 for 55 points.

The highest IR Entry total for any base is 165 and the lowest non-zero IR Entry total for any base is 30.
The highest IR Exit total for any base is 105 and the lowest non-zero IR Exit total for any base is 5.

Formula Sheet for **Ellsworth AFB**

MCI: SOF / CSAR

Formula	1246.00
Title	Proximity to Low Level Routes Supporting Mission

So, this base's IR Entry score is 100, because 165 is equal to the highest score of any base.
Pro-rating the IR Exit total of 55 between 5 and 105 on a 10 to 100 point scale gives this base an IR Exit score of 55.

VR Route Charlie has an entry point 3 miles away and an exit point 4 miles away.

Both the entry and exit point are within 5 miles, so both the VR Entry and VR Exit category amounts get 100 points.
As there is only one VR route, that makes the VR route totals the same, 100 points each.

The highest VR Entry total for any base is 300 and the lowest non-zero VR Entry total for any base is 50 points.
Ditto for the VR Exit totals.

So, this base's VR Entry score of 100 is pro-rated between 50 and 300 on a 10 to 100 scale. Since 100 is 20% of the way from 50 to 300, the VR Entry score is 28 points.
Ditto for the VR Exit totals.

By applying the 25% weighting to each of the four category scores, in IR Entry, IR Exit, VR Entry and VR Exit order, we get the overall score:

(.25 * 100) + (.25 * 55) + (.25 * 28) + (.25 * 28), for an overall score of 52.75 points.

Source	FLIP AP-1B; IFR Supp; Falcon View or other certified flight planning software	
Formula Score	7.50	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	3.68	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.28	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	3.40	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)
1	Air/Space Operations	1246 .	Airspace - Distance to Routes
1	Air/Space Operations	1246 .1	Route Designator

Formula Sheet for Ellsworth AFB

MCI: SOF / CSAR

Formula	1248.00
Title	Proximity to DZ/LZ
Criterion	Current / Future Mission
Attribute	Geo-locational Factors

Formula

Check the distance to all USAF-certified Landing Zones/Drop Zones within 50NM radius of the installation that meet zone requirements.

OSD Question 1249 is assigned to a notional base unit (Widget Unit #216) for technical reasons since the data is identical for all bases. So, regardless of the organization being checked, all references to OSD Question 1249 will find their data under Widget Unit # 216, which was a technical way to avoid having to enter the exact same data once per base. Widget Unit # 216 does not exist in real life.

If installation has no runway or active runway, or no serviceable, suitable.runway then score 0 pts.

Drop Zones (DZ) count for 50% of the overall score, Landing Zones (LZ) count for the remaining 50%.

The data on the DZs and LZs is split across two OSD questions, 1249 and 1248. This means that the data in one question has to be matched with its respective data in the other question. This is done by matching the ZAR code, which is found in column 1 of both OSD Questions 1248 and 1249.

Compute the points received for each LZ as follows, then total them into an LZ total:

If the LZ is < 3500' by 90', and < 3000' by 60', get 0 points. See OSD Question 1249, columns 3 and 4 for this data. (N/A means no.)
Otherwise, if the distance to the LZ > 50 miles, get 0 points. See OSD Question 1248, column 3 for this data. (N/A or no matching LZ in OSD question 1249 means > 50 miles.)
Otherwise, if the distance to the LZ = 50 miles, get 10 points.
Otherwise, if the distance to the LZ <= 10 miles, get 100 points.
Otherwise, get 0 points.

Compute the points received for each DZ as follows, then total them into a DZ total:

If the DZ is < 1000 yds by 1500 yds, and < 700 yds by 1000 yds, get 0 points. See OSD Question 1249, columns 6 and 7 for this data. (N/A means no.)
Otherwise, if the distance to the DZ > 50 miles, get 0 points. See OSD Question 1248, column 3 for this data. (N/A or no matching DZ in OSD question 1249 means > 50 miles.)
Otherwise, if the distance to the DZ = 50 miles, get 10 points.
Otherwise, if the distance to the DZ <= 10 miles, get 100 points.
Otherwise, get 0 points.

After the above LZ and DZ totals have been computed for each base, determine the score for each as follows:

Get the Highest LZ total of any base and the Lowest non-Zero LZ total of any base.
Get the Highest DZ total of any base and the Lowest non-Zero DZ total of any base.

If the total = 0, then the respective points for that total = 0.
Otherwise, pro-rate the total from the respective lowest non-zero total to the respective highest score on a 10 to 100 scale.

Take 50% of the LZ score just calculated and add to it 50% of the DZ score just calculated for the overall score.

Example:

There are two drop zones within 50 miles, Alpha and Bravo. Alpha is 3100' by 65' and Bravo is 2000'

Formula Sheet for Ellsworth AFB

MCI: SOF / CSAR

Formula	1248.00
Title	Proximity to DZ/LZ

by 100'.
Alpha is 10 miles away and Bravo is 30 miles away.
Alpha is bigger than 3000' by 60', so it qualifies for points. Since it is 10 miles away, it gets 100 points. Bravo is smaller than 3000' by 60', so it is too small and gets 0 points.
The DZ total is 100 points.

The highest DZ total across all bases is 500 and the lowest non-zero DZ total across all bases is 100. The DZ score is 10 points, since it equals the lowest overall DZ total.

There are two landing zones within 50 miles, Charlie and Delta. Charlie is 1000 yds by 1500 yds and so is Delta. Charlie and Delta are both 10 miles away. Both are >= the 1000 yds by 1500 yds size, so both qualify for points. Since both are 10 miles away, they both get 100 points. The LZ total is 200 points.

The highest LZ total across all bases is 200 and the lowest non-zero LZ total across all bases is 50. The LZ score is 100 points, since it equals the highest overall LZ total.

Now, take 50% of each of the two totals to make the overall score:

(.50 * 10) + (.50 * 100) gives an overall score of 55.

Source	IFR Supp; ZAR (AMC Zone Availability Report): AF Form 3822 (Landing Zone Survey) or AF Form 3823 (Drop Zone Survey); Falcon View or other certified flight planning software	
Formula Score	12.65	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	14.72	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.86	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	12.86	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
1	Air/Space Operations	1248 .	Airspace - Distance to Zones
1	Air/Space Operations	1248 . 2	ZAR Doc / Index Number
1	Air/Space Operations	1249 .	Airspace Attributes - Zones
1	Air/Space Operations	1249 . 2	ZAR Doc/Index Number
1	Air/Space Operations	1249 . 3	Landing Zone: >=3000' x 60'
1	Air/Space Operations	1249 . 4	Landing Zone: >=3500' x 90'
1	Air/Space Operations	1249 . 6	Drop Zone: >=700 yds x 1000yds
1	Air/Space Operations	1249 . 7	Drop Zone: >=1000 yds x 1500 yds

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Formula Sheet for **Ellsworth AFB**

MCI: SOF / CSAR

Formula	1249.00
Title	Airspace Attributes of DZ/LZ
Criterion	Condition of Infrastructure
Attribute	Operating Areas
Formula	Check the attributes of USAF-certified Landing Zones / Drop Zones which have current AMC surveys.

OSD Question 1249 is assigned to a notional base unit (Widget Unit #216) for technical reasons since the data is identical for all bases. So, regardless of the organization being checked, all references to OSD Question 1249 will find their data under Widget Unit # 216, which was a technical way to avoid having to enter the exact same data once per base. Widget Unit # 216 does not exist in real life.

If installation has no runway or active runway, or no serviceable, suitable runway then score 0 pts.

Drop Zones (DZ) count for 50% of the overall score, Landing Zones (LZ) count for the remaining 50%.

The data on the DZs and LZs is split across two OSD questions, 1249 and 1248. This means that the data in one question has to be matched with its respective data in the other question. This is done by matching the ZAR code, which is found in column 1 of both OSD Questions 1248 and 1249.

Compute the points received for each LZ as follows, then total them into an LZ total:

If the distance to the LZ > 50 miles, get 0 points. See OSD Question 1248, column 3 for this data. (N/A or no matching LZ in OSD question 1249 means > 50 miles.)
Otherwise, if the LZ is >= 3500' by 90', get 100 points. See OSD Question 1249, column 4 for this data. (N/A means no.)
Otherwise, if the LZ is >= 3000' by 60', get 50 points. See OSD Question 1249, column 3 for this data. (N/A means no.)
Otherwise, get 0 points.

Compute the points received for each DZ as follows, then total them into a DZ total:

If the distance to the DZ > 50 miles, get 0 points. See OSD Question 1248, column 3 for this data. (N/A or no matching DZ in OSD question 1249 means > 50 miles.)
Otherwise, if the DZ is >= 1000 yds by 1500 yds, get 100 points. See OSD Question 1249, column 7 for this data. (N/A means no.)
Otherwise, if the DZ is >= 700 yds by 1000 yds, get 50 points. See OSD Question 1249, column 6 for this data. (N/A means no.)
Otherwise, get 0 points.

After the above LZ and DZ totals have been computed for each base, determine the score for each as follows:

Get the Highest LZ total of any base and the Lowest non-Zero LZ total of any base.
Get the Highest DZ total of any base and the Lowest non-Zero DZ total of any base.

If the total = 0, then the respective points for that total = 0.
Otherwise, pro-rate the total from the respective lowest non-zero total to the respective highest score on a 10 to 100 scale.

Take 50% of the LZ score just calculated and add to it 50% of the DZ score just calculated for the overall score.

Example:

There are two drop zones within 50 miles, Alpha and Bravo. Alpha is 3100' by 65' and Bravo is 2000'

Formula Sheet for **Ellsworth AFB**

MCI: SOF / CSAR

Formula	1249.00
Title	Airspace Attributes of DZ/LZ

by 100'.
Alpha is between 3000' by 60' and 3500' by 90' in size, so it gets 50 points. Bravo is too small, so it gets 0 points.
The DZ total is 50 points.

The highest DZ total across all bases is 500 and the lowest non-zero DZ total across all bases is 50.
The DZ score is 10 points, since it equals the lowest overall DZ total.

There are two landing zones within 50 miles, Charlie and Delta. Charlie is 1000 yds by 1500 yds and so is Delta.
Both are >= the 1000 yds by 1500 yds size, so both get 100 points. The LZ total is 200 points.

The highest LZ total across all bases is 200 and the lowest non-zero LZ total across all bases is 50.
The LZ score is 100 points, since it equals the highest overall LZ total.

Now, take 50% of each of the two totals to make the overall score:

(.50 * 10) + (.50 * 100) gives an overall score of 55.

Source	IFR Supp; ZAR (AMC Zone Availability Report); AF Form 3822 (Landing Zone Survey) or AF Form 3823 (Drop Zone Survey); Falcon View or other certified flight planning software	
Formula Score	11.45	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	7.99	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.91	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	7.07	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
1	Air/Space Operations	1248 .	Airspace - Distance to Zones
1	Air/Space Operations	1248 . 2	ZAR Doc / Index Number
1	Air/Space Operations	1249 .	Airspace Attributes - Zones
1	Air/Space Operations	1249 . 2	ZAR Doc/Index Number
1	Air/Space Operations	1249 . 3	Landing Zone: >=3000' x 60'
1	Air/Space Operations	1249 . 4	Landing Zone: >=3500' x 90'
1	Air/Space Operations	1249 . 6	Drop Zone: >=700 yds x 1000yds
1	Air/Space Operations	1249 . 7	Drop Zone: >=1000 yds x 1500 yds

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Formula Sheet for **Ellsworth AFB**

MCI: SOF / CSAR

Formula	1250.00
Title	Area Cost Factor
Criterion	Cost of Ops / Manpower
Attribute	Cost Factors
Formula	Evaluate the Area Cost Factor for each installation. Find the lowest area cost factor listed for that installation. See OSD question 1250, column 2 for this data. If the area cost factor <= 0.78, get 100 points. Otherwise, if the area cost factor >= 1.42, get 0 points. Otherwise, pro-rate the area cost factor between 0.78 and 1.42, on a 100 to 0 point scale. Example: The lowest area cost factor for the base is 1.3. 1.3 is 81.25% of the way between 0.78 and 1.42, so the score is 18.75 points.
Source	DoD Facilities Pricing Guide, Table B, March 2004

Formula Score	76.56	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.25	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.96	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.29	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
4 CE Programming	1250 .	Area Cost Factor
4 CE Programming	1250 .2	Area Cost Factor

Formula Sheet for **Ellsworth AFB**

MCI: SOF / CSAR

Formula	1266.00
Title	Range Complex (RC) Supports Mission
Criterion	Condition of Infrastructure
Attribute	Operating Areas
Formula	If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Only airspace within 200 Nautical Miles (NM) will be considered in the calculations. All others will be ignored. See OSD Question 1245, column 2. (N/A means more than 200 NM.) Data is in OSD Questions 1266, 1245 and 1274 must be matched via column 1 in each question. Calculate each of the subcategories scores listed below, and weight as listed. 20% Airspace Volume (AV) 15% Operating Hours (OH) 15% Scoreable Range (SR) 15% Air to Ground Weapons Delivery (AGWD) 5% Live Ordnance (LO) 10% Electronic Combat (EC) 10% Laser Use Authorized (LU) 5% Flare Authorized (FA) 5% Chaff Authorized (CA) Each of the subcategories use the following general pattern for calculating them: Compute a raw total for the base by following the instructions for the respective subcategory total. Find the highest, and the lowest, non-zero raw total for the subcategory across all bases. If the raw total = 0, that subcategory score = 0. Else, if the raw total = the highest raw total, the subcategory score = 100. Else, if the raw total = the lowest, non-zero raw total, the subcategory score = 10. Else, pro-rate the raw total between the lowest non-zero score and the highest score on a 10 to 100 scale. Once each score for each subcategory is known, multiply them by their respective weighting percentage and total the results for the overall score. Airspace Volume Raw Total: Get AV for the pts. See OSD Question 1277, column 2. (N/A means 0.) Flare Authorized Raw Total: Sum the pts for each airspace: If FA = Yes, get 100 pts. See OSD Question 1274, column 3. (N/A means No.) Else, get 0 pts. Operating Hours Raw Total: Sum the pts for each airspace: If the OH < 1 or = N/A, get 0 pts. See OSD Question 1266, column 2. Else, if the OH = 1 or IMTMT or INTMT, get 10 pts. Else, if the OH = 24 or NOTAM, get 100 pts. Else, if the OH = NOTAM, get 100 pts. Else, pro-rate the OH between 0 and 24 on a 10 to 100 point scale. Scoreable Range Raw Total: Sum the pts for each airspace: If the SR = Yes, get 100 pts. See OSD Question 1266, column.3. (N/A means No.)

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Formula Sheet for **Ellsworth AFB**

MCI: SOF / CSAR

Formula	1266.00
Title	Range Complex (RC) Supports Mission

Else, get 0 pts.

Air to Ground Weapons Delivery Raw Total:

Sum the pts for each airspace:
If the AGWD = Yes, get 100 pts. See OSD Question 1266 column 4. (N/A means No.)
Else, get 0 pts.

Live Ordnance Raw Total:

Sum the pts for each airspace:
If LO = Yes, get 100 pts. See OSD Question 1274, column 5. (N/A means No.)
Else, get 0 pts.

Electronic Combat Raw Total:

Sum the pts for each airspace:
If EC = Yes, get 100 pts. See OSD Question 1266, column.7. (N/A means No.)
Else, get 0 pts.

Laser Use Authorized Raw Total:

Sum the pts for each airspace:
If LU = Yes, get 100 pts. See OSD Question 1266, column.8. (N/A means No.)
Else, get 0 pts.

Chaff Authorized Raw Total

Sum the pts for each airspace:
If CA = Yes, get 100 pts. See OSD Question 1274, column 4. (N/A means No.)
Else, get 0 pts.

Example:

AV = 20,000, get 20,000 pts

There are two airspaces within the distance specified above, and they both have these characteristics (which means their raw totals will be double the number of pts listed) followed by the lowest non-zero and highest raw totals across all bases

OH = NOTAM, get 100 pts; 20,000 to 150,000 pts
SR = Yes, get 100 pts; 200 to 500 pts.
AGWD = No, get 0 pts; 200 to 1000 pts.
LO = Yes, get 100 pts; 500 to 1000 pts.
EC = N/A, get 0 pts; 200 to 2000 pts.
LU = Yes, get 100 pts; 100 to 1000 pts.
FA = Yes, get 100 pts; 200 to 1000 pts.
CA = Yes, get 100 pts; 200 to 1000 pts.

Subcategory scores
AV = 10 pts.
OH = 10 pts.
SR = 10 pts
AGWD = 0 pts.

Formula Sheet for **Ellsworth AFB**

MCI: SOF / CSAR

Formula	1266.00	
Title	Range Complex (RC) Supports Mission	
	LO = 10 pts. EC = 0 pts. LU = 20 pts. FA = 10 pts. CA = 10 pts. Weighted, the overall score = 8.5 pts.	
Source	FLIP AP-1A; Falcon View or other certified flight planning software	
Formula Score	11.58	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	14.84	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.72	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	13.12	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field		
1	Air/Space Operations	9	.	Runways
1	Air/Space Operations	9	.7	Length
1	Air/Space Operations	9	.8	Width
1	Air/Space Operations	9	.15	Serviceable (5)
1	Air/Space Operations	1245	.	Airspace - Distance to Airspace
1	Air/Space Operations	1245	.2	Distance to Airspace/Route
1	Air/Space Operations	1277	.	Airspace Attributes - Volume
1	Air/Space Operations	1277	.2	200NM radius
2	Army Operations	1274	.	Airspace Attributes - Ranges (2 of 2)
2	Army Operations	1274	.3	Flare
2	Army Operations	1274	.4	Chaff
2	Army Operations	1274	.5	Live Ordnance
27	Ranges	1266	.	Airspace Attributes - Ranges (1 of 2)
27	Ranges	1266	.1	Airspace Designator
27	Ranges	1266	.2	Operating Hours
27	Ranges	1266	.3	Scoreable range complexes/target array
27	Ranges	1266	.4	Air to Ground Weapons Delivery
27	Ranges	1266	.7	Electronic Combat
27	Ranges	1266	.8	Laser Use Authorized

Formula Sheet for Ellsworth AFB

MCI: SOF / CSAR

Formula	1269.00
Title	Utilities cost rating (U3C)
Criterion	Cost of Ops / Manpower
Attribute	Cost Factors
Formula	Check the Utilities Costs and Climatic Consideration (U3C) Rating for the installation. If the U3C rating is <= .59, get 100 points. See OSD Question 1269, column 1 for this data. Otherwise, if the U3C rating is >= 2.29, get 0 points. Otherwise, pro-rate the U3C rating between .59 and 2.29 on a 100 to 0 scale. Example: The U3C rating is 1.6. 1.6 is 59.41% of the way between .59 and 2.29, so the score is 40.59.
Source	ASHRAE Standards; DoD 5126.46-M-2; Defense Utility Energy Reporting System; UFC 3-400-02, DOE Website: Buildings Energy Databook: Table 7.4 Typical Commercial Buildings

Formula Score	99.41	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	0.13	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.12	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
35	Utilities	1269 .	Utilities Cost Rating (U3C)
35	Utilities	1269 . 1	Answer

Formula Sheet for Ellsworth AFB

MCI: SOF / CSAR

Formula	1271.00
Title	Prevailing Installation Weather Conditions
Criterion	Current / Future Mission
Attribute	Operating Environment
Formula	Check the average number of days annually the prevailing weather is better than 3000'/3 Nautical Miles (NM). If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. If the average number of days >= 300, get 100 points. Otherwise, if the average number of days <= 250, get 0 points. Otherwise, pro-rate the average number of days between 250 and 300 on a 0 to 100 scale. Example: The average number of days annually where the prevailing weather is better than 3000'/3 NM is 275. 275 is halfway between 250 and 300, for a score of 50.
Source	AFCCC Climatological tables

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	5.06	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	5.06	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
39	Airfield Management	1271 .	Air Operations - Prevailing Weather
39	Airfield Management	1271 . 3	Weather > 3000'/3NM

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Formula Sheet for **Ellsworth AFB**

MCI: SOF / CSAR

Formula	1402.00	
Title	BAH Rate	
Criterion	Cost of Ops / Manpower	
Attribute	Cost Factors	
Formula	Check the 2004 monthly BAH rate for an O-3 with dependents. See OSD question 1402, column 1 for this data. If the BAH rate <= 746, get 100 points. Otherwise, if the BAH rate >= 2013, get 0 points. Otherwise, pro-rate the BAH rate between 746 and 2013 on a 100 to 0 scale. Example: The BAH rate is 974. 974 is 18% between 746 and 2013, which results in a score of 82.00.	
Source	www.dtic.mil/perdiem/bah.html	
Formula Score	80.19	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	0.88	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.70	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.17	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
13 Finance	1402 .	BAH Rate
13 Finance	1402 . 1	BAH Rate

Formula Sheet for **Ellsworth AFB**

MCI: SOF / CSAR

Formula	1403.00	
Title	GS Locality Pay Rate	
Criterion	Cost of Ops / Manpower	
Attribute	Cost Factors	
Formula	Check the 2004 locality pay rate for the GS pay schedule. See OSD question 1403, column 1 for this data. (N/A equals 0.) If the pay rate <= 10.90, get 100 points. Otherwise, if the pay rate >= 20.37, get 0 points. Otherwise, pro-rate the pay rate between 10.90 and 20.37 on a 100 to 0 scale. Example: The pay rate is 14.31, which is 36.01% of the way between 10.90 and 20.37, which results in a score of 63.99.	
Source	Office of Personnel Management Web page	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	0.25	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.25	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
13 Finance	1403 .	GS Locality Pay Rate
13 Finance	1403 . 1	GS Locality Pay Rate

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Formula Sheet for **Ellsworth AFB**

MCI: Space Ops

Formula	30.00
Title	Buildable Acres (Space Mission Bed Down Area)
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Identify the number of buildable acres available for administrative, industrial, and undetermined use for locating a space squadron. Total the following for the installation: Administrative Total Buildable Acres + Industrial Total Buildable Acres + Undetermined Use Total Buildable Acres. See OSD Question 30, columns 3, 8 and 13 respectively. If the total >= 250, get 100 points. Otherwise, if the total = 0, get 0 points. Otherwise, pro-rate the total between 0 and 250 on a 0 to 100 scale. Example: There are 30 Administrative Total Buildable Acres, 70 Industrial Total Buildable Acres and 25 Undetermined Use Total Buildable Acres, for a total of 125 acres. 125 is halfway between 0 and 250, for a score of 50.
Source	AFI 32-7062, Air Force Comprehensive Planning, dated 1 Oct. 1997, Real Property Records, Base General Plan
Formula Score	100.00 — This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	41.50 — This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	41.50 — This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00 — The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
4 CE Programming	30 .	Buildable Acres
4 CE Programming	30 . 3	Administrative Total Buildable Acres
4 CE Programming	30 . 8	Industrial Total Buildable Acres
4 CE Programming	30 . 13	Undetermined Use Total Buildable Acres

Formula Sheet for **Ellsworth AFB**

MCI: Space Ops

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance
Criterion	Contingency, Mobilization, Future Forces
Attribute	Growth Potential
Formula	Check the attainment designation classifications of the installation's NAAQS (National Ambient Air Quality Standard) for the following applicable criteria: Attainment, Nonattainment, Nonattainment (Deferred), Maintenance, and Unclassifiable. Identify the amount of the SIP emissions budget for non-attainment and maintenance criteria pollutants, if any, allocated to the installation. Use the following formula to compute this score: Multiply the Attainment / Emission Budget Growth Allowance MinA by the Attainment / Emission Budget Growth Allowance *B* for the base score. Add the SIP Score to the base score. If the base score is now over 100, reduce it to 100. SIP Score: Sum the Installation SIP Growth Allowance (Tons/Year)" for the following constituents: '001. VOC' and '002. Nox'. See OSD question 221, column 3 for the Installation SIP Growth Allowance (Tons/Year). See OSD Question 221, column 1 for the constituent. If the total is > 0, then SIP Score = 20, otherwise it is 0. Attainment / Emission Budget Growth Allowance MinA and *B*: Perform the following calculation for each of the specified criteria pollutants and pick the lowest value from them all. The criteria pollutants are '002. PM10', '004. S02', '005. CO', 007. O3 (8hr)*'. See OSD Question 213, column 1 for this data. Attainment / Emission Budget Growth Allowance MinA: If the NAAQS Designation is Attainment, Unclassifiable, Nonattainment (Deferred), Unclassifiable/Attainment, Unclassifiable/Attainment (EAC), Nonattainment-deferred (EAC), Attainment (EAC) or N/A, get 100. See OSD Question 213, column 2 for this data. Otherwise, if the NAAQS Designation is Maintenance, get 77.778. Otherwise, if the NAAQS Classification is Marginal, Subpart 1, Moderate, Primary, or Secondary, get 66.667. See OSD Question 213, column 3 for this data. Otherwise, if the NAAQS Classification is Serious, get 43.5. Otherwise, if the NAAQS Classification is Severe, Severe-15, or Severe-17, get 25.714. Otherwise, if the NAAQS Classification is Extreme, get 7. Otherwise, get 0. Attainment / Emission Budget Growth Allowance *B*: If the NAAQS Designation is Attainment, Unclassifiable, Nonattainment (Deferred), Unclassifiable/Attainment, Unclassifiable/Attainment (EAC), Nonattainment-deferred (EAC), Attainment (EAC) or N/A, get 1. See OSD Question 213, column 2 for this data. Otherwise, if the NAAQS Designation is Maintenance, get .9.

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Formula Sheet for **Ellsworth AFB**

MCI: **Space Ops**

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance

Otherwise, if the NAAQS Classification is Marginal, Subpart 1, Moderate, Primary, or Secondary, get .9. See OSD Question 213, column 3 for this data.

Otherwise, if the NAAQS Classification is Serious, get .8.

Otherwise, if the NAAQS Classification is Severe, Severe-15, or Severe-17, get .7.

Otherwise, if the NAAQS Classification is Extreme, get 1.

Otherwise, get 0.

Example:

The NAAQS Designation for 002. PM10 is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9.
The NAAQS Designation for 004. S02 is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9
The NAAQS Designation for 005. CO is Nonattainment and the NAAQS Classification is Severe, which means 25.714 * .8.
The NAAQS Designation for 007. O3 (8hr)* is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9.

25.714 * .8, which equals 20.5712, is the lowest value, so it becomes the base score.

The Installation SIP Growth Allowance (Tons/Year) for 001. VOC is 0, for 002. Nox it is 1. As the total of these two values is > 0, the SIP Score = 20, which needs to be added to the base score of 20.5712, for a new base score of 40.5712. This is less than 100, so it does not need to be reduced to 100, which makes the final score = 40.5712.

Source	DoD#213: Current Edition of 40 CFR 81; or Federal Register; or Federal Register Citation to EPA's "final rule" approving the area's "maintenance plan" and "redesignation" of the area to "attainment status" DoD#221: State Implementation Plan	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	3.00	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	3.00	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Formula Sheet for **Ellsworth AFB**

MCI: **Space Ops**

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance

Supporting Data

Section		Question.Field	
12	Environment	213 .	Air Quality Attainment
12	Environment	213 .2	NAAQS Designation
12	Environment	213 .3	NAAQS Classification
12	Environment	221 .	SIP Emissions Budget
12	Environment	221 .1	Criteria Pollutant
12	Environment	221 .3	(b) Installation SIP Growth Allowance

Formula Sheet for Ellsworth AFB
MCI: Space Ops

Formula	1205.10
Title	Buildable Acres for Industrial Operations Growth
Criterion	Contingency, Mobilization, Future Forces
Attribute	Growth Potential
Formula	Identify the number of "buildable," unconstrained, development acres available for industrial operations. Sum the number of suitable acres at the installation. See OSD Question 1205, column 3 for the data. (N/A means 0.) If the number of acres is >= 150, get 100 points. If < 5 acres, get 0 points. Otherwise, pro-rate the number of acres between 5 and 150 on a 0 to 100 point scale. Example: There are three separate tracts of land that are suitable, comprised of 10, 22.5, and 45 acres respectively, for a total of 77.5 acres. 72.5 is halfway between 5 and 150 acres, so the score is 50.
Source	AFI 32-7062, AICUZ Study Base Comprehensive Plan component plans such as Cultural Resource Management Plans, Natural Resource Management Plans and special studies, Base comprehensive plan maps

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	7.00	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	7.00	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
4 CE Programming	1205 .	Installation - Unconstrained Development Acreage
4 CE Programming	1205 .3	Total Unconstrained, Buildable Industrial Operations

Formula Sheet for Ellsworth AFB
MCI: Space Ops

Formula	1210.00
Title	Line-of-Sight Encroachment
Criterion	Current / Future Mission
Attribute	Operating Environment
Formula	Identify any operational antenna limitations (back lobes, obscura azimuth and obscura elevation, or frequency emission restrictions). Azimuth issues get 33% of the score. Elevation issues get 33% of the score, and Transmission issues get the remaining 34% of the score. Azimuth Issues: For each installation with more than one antenna, use the best Azimuth issues score for any antenna, as follows: If the Useable Azimuth in degrees = 360, get 100 points. See OSD Question 1275, column 4 for this data. (N/A means 0 points.) Otherwise, if the Useable Azimuth in degrees = 0, get 0 points. Otherwise, pro-rate the Useable Azimuth in degrees from 0 to 360 on a 0 to 100 scale. Elevation Issues: For each installation with more than one antenna, use the best Elevation score for any antenna, as follows: If the Elevation restrictions are = 0 degrees, get 100 points. See OSD Question 1275, column 6 for this data. (N/A means 0 points.) Otherwise, if the Elevation restrictions are > 3 degrees, get 0 points. Otherwise, pro-rate the Elevation restrictions from 0 to 3 degrees on a 100 to 50 scale. Transmission Issues: For each installation with more than one antenna, use the worst Transmission score for any antenna, as follows: If the Transmission restriction = No, get 100 points. See OSD Question 1275, column 8 for this data. Otherwise, get 0 points. Example: There are two antennas, with the following characteristics: Alpha: Useable Azimuth in degrees: 360 Elevation restrictions in degrees: 03 Transmission restrictions: Yes Bravo: Useable Azimuth in degrees: 300 Elevation restrictions in degrees: 0 Transmission restrictions: No Alpha has a higher useable azimuth in degrees, so it will be used to calculate the Azimuth issues component of the score. 360 degrees equals 100 points. Bravo has the lowest elevation restrictions in degrees, so it will be used to calculate the Elevation issues component of the score. 0 degrees equals 100 points.

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Formula Sheet for **Ellsworth AFB**

MCI: Space Ops

Formula	1210.00	
Title	Line-of-Sight Encroachment	
	Alpha is the first non-No response for transmission restrictions we found, so it will be used to calculate the Transmission issues component of the score, which is 0 points. So, taking the relevant percentages for the Azimuth, Elevation and Transmission issues component scores respectively, (.33 * 100) + (.33 * 100) + (.34 * 0) equals a score of 66.	
Source	Installation Frequency Management Plan	
Formula Score	33.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	23.00	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	7.59	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	15.41	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
1 Air/Space Operations	1275 .	C4 - Line-of-Sight Encroachment
1 Air/Space Operations	1275 . 4	Useable Azimuth (in degrees)
1 Air/Space Operations	1275 . 6	Elevation Restriction: To (in degrees)
1 Air/Space Operations	1275 . 8	Transmission Restriction Cause

Formula Sheet for **Ellsworth AFB**

MCI: Space Ops

Formula	1226.00	
Title	Population Density Impact on USAF Mission	
Criterion	Current / Future Mission	
Attribute	Geo-locational Factors	
Formula	State the average population density (population per square mile) for counties contiguous to the installation's physical boundary as reported in the 2000 Census. Choose the most densely populated of the reported counties. See OSD Question 1226, column 3 for this data. If the most densely populated <= 500, get 100 points. If the most densely populated >= 1000, get 0 points. Otherwise, pro-rate the most densely populated between 500 and 1000 on a scale of 100 to 0. Example. There are three contiguous counties reported, with population densities of 600, 300, and 200 respectively. 600 is the most densely populated value. 600 is 20% of the way between 500 and 1000, so the score is 80.	
Source	U.S. Census Bureau data; www.census.gov	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	23.00	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	23.00	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
26 Public Affairs	1226 .	Demographics - Population Density
26 Public Affairs	1226 . 3	2000 Population Density

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Formula Sheet for **Ellsworth AFB**

MCI: Space Ops

Formula	1250.00
Title	Area Cost Factor
Criterion	Cost of Ops / Manpower
Attribute	Cost Factors
Formula	Evaluate the Area Cost Factor for each installation. Find the lowest area cost factor listed for that installation. See OSD question 1250, column 2 for this data. If the area cost factor <= 0.78, get 100 points. Otherwise, if the area cost factor >= 1.42, get 0 points. Otherwise, pro-rate the area cost factor between 0.78 and 1.42, on a 100 to 0 point scale. Example: The lowest area cost factor for the base is 1.3. 1.3 is 81.25% of the way between 0.78 and 1.42, so the score is 18.75 points.
Source	DoD Facilities Pricing Guide, Table B, March 2004

Formula Score	76.56	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.25	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.96	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.29	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
4 CE Programming	1250 .	Area Cost Factor
4 CE Programming	1250 . 2	Area Cost Factor

Formula Sheet for **Ellsworth AFB**

MCI: Space Ops

Formula	1269.00
Title	Utilities cost rating (U3C)
Criterion	Cost of Ops / Manpower
Attribute	Cost Factors
Formula	Check the Utilities Costs and Climatic Consideration (U3C) Rating for the installation. If the U3C rating is <= .59, get 100 points. See OSD Question 1269, column 1 for this data. Otherwise, if the U3C rating is >= 2.29, get 0 points. Otherwise, pro-rate the U3C rating between .59 and 2.29 on a 100 to 0 scale. Example: The U3C rating is 1.6. 1.6 is 59.41% of the way between .59 and 2.29, so the score is 40.59.
Source	ASHRAE Standards; DoD 5126.46-M-2, Defense Utility Energy Reporting System; UFC 3-400-02, DOE Website: Buildings Energy Databook: Table 7.4 Typical Commercial Buildings

Formula Score	99.41	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	0.13	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.12	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
35 Utilities	1269 .	Utilities Cost Rating (U3C)
35 Utilities	1269 . 1	Answer

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Formula Sheet for Ellsworth AFB
MCI: Space Ops

Formula	1402.00
Title	BAH Rate
Criterion	Cost of Ops / Manpower
Attribute	Cost Factors
Formula	Check the 2004 monthly BAH rate for an O-3 with dependents. See OSD question 1402, column 1 for this data. If the BAH rate <= 746, get 100 points. Otherwise, if the BAH rate >= 2013, get 0 points. Otherwise, pro-rate the BAH rate between 746 and 2013 on a 100 to 0 scale. Example: The BAH rate is 974. 974 is 18% between 746 and 2013, which results in a score of 82.00.
Source	www.dtic.mil/perdiem/bah.html

Formula Score	80.19	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	0.88	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.70	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.17	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
13 Finance	1402 .	BAH Rate
13 Finance	1402 . 1	BAH Rate

Formula Sheet for Ellsworth AFB
MCI: Space Ops

Formula	1403.00
Title	GS Locality Pay Rate
Criterion	Cost of Ops / Manpower
Attribute	Cost Factors
Formula	Check the 2004 locality pay rate for the GS pay schedule. See OSD question 1403, column 1 for this data. (N/A equals 0.) If the pay rate <= 10.90, get 100 points. Otherwise, if the pay rate >= 20.37, get 0 points. Otherwise, pro-rate the pay rate between 10.90 and 20.37 on a 100 to 0 scale. Example: The pay rate is 14.31, which is 36.01% of the way between 10.90 and 20.37, which results in a score of 63.99.
Source	Office of Personnel Management Web page

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	0.25	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.25	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
13 Finance	1403 .	GS Locality Pay Rate
13 Finance	1403 . 1	GS Locality Pay Rate

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Formula Sheet for **Ellsworth AFB**

MCI: **Tanker**

Formula	1.00	
Title	Fuel Hydrant Systems Support Mission Growth	
Criterion	Condition of Infrastructure	
Attribute	Key Mission Infrastructure	
Formula	Check the current fuel hydrant system capability. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. 20% of the score is based upon the best type of fuel hydrant available. 80% of the score is based upon the number of qualified refueling points/outlets. Type of Fuel Hydrant: Check each Fuel System. See OSD question 1 for this data. Ignore those that are not aircraft fueling hydrants. See OSD Question 1, column 2 for this data, where the value is not an 'A'. If any one of them is a Type III, get 100 points. See OSD Question 1, column 3 for this data. Otherwise, If any one of them is a Type I or II, get 75 points. Otherwise, If any one of them is a Type IV or V, get 25 points. Otherwise, get 0 points. Number of Qualified Refueling Points/Outlets: Sum the number of qualified refueling points/outlets. See OSD Question 1, column 6 for this data, but ignore those that are not aircraft fueling hydrants. See OSD Question 1, column 2 for this data, where the value is not an 'A'. Also ignore those that are not Type I, II, III, IV or V. See OSD Question 1, column 3 for this data. If the sum of qualified refueling points/outlets >= 24, get 100 points. Otherwise, if the sum of qualified refueling points/outlets = 0, get 0 points. Otherwise, pro-rate the sum between 0 and 24 on a 0 to 100 scale. Example: There are three refueling facilities. One is a Type I, one a Type IV, and one is a Truck Fill Stand. There are no Type III facilities, so we check for Type I or II. Since there is a Type I, the score for the type of fuel hydrant is 75. There are 3 Type 1 refueling points/outlets, 9 Type IV refueling points/outlets, and 22 Truck Fill Stand refueling points/outlets. The Type 1 and Type IV refueling points/outlets sum to 12, the 22 Truck Fill Stand refueling points/outlets do not count. 12 is halfway between 0 and 24, for a number of qualified refueling points score of 50. (20% of 75) plus (80% of 50) = an overall score of 55.	
Source	ACES-RP; existing record drawings or physically verification;	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	4.15	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	4.15	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Formula Sheet for **Ellsworth AFB**

MCI: **Tanker**

Formula	1.00	
Title	Fuel Hydrant Systems Support Mission Growth	

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)
15	Fuel	1 .	Fuel Systems
15	Fuel	1 .2	Vehicle or Aircraft ("V" or "A")
15	Fuel	1 .3	System Type
15	Fuel	1 .6	Number of Refueling Points/Outlets

Formula Sheet for Ellsworth AFB

MCI: Tanker

Formula	8.00
Title	Ramp Area and Serviceability
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Total the square yardage of every serviceable ramp at the installation. See OSD Question 8, column 9 to determine serviceability. (N/A means not serviceable.) See OSD Question 8, column 2 for the square yardage of that ramp. If the total square yards of serviceable ramp is >= 851,000, get 100 points. Otherwise, if the total square yards of serviceable ramp is >= 504,000, get 75 points. Otherwise, if the total square yards of serviceable ramp is >= 168,000, get 25 points. Otherwise, get 0 points. Example: The installation has three ramps, Alpha, Bravo and Charlie. Alpha and Bravo are both fully serviceable and active; Charlie is not serviceable because of major sinkholes that have developed. Alpha has 50,000 square yards, Bravo has 20,000 square yards, and Charlie has 200,000 square yards, for a total of 70,000 serviceable square yards of ramps. This number is between 0 and 168,000 so it falls into the 0 point range.
Source	FLIP; AFCESA Pavement Evaluation/Condition Report/Survey; Existing Record Drawings or Physical Verification; Base Real Property Records

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	7.89	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	7.89	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)
28	Real Property	8 .	Ramp/Apron Space
28	Real Property	8 .2	Area
28	Real Property	8 .9	Serviceable (2)

Formula Sheet for Ellsworth AFB

MCI: Tanker

Formula	9.00
Title	Runway Dimension and Serviceability
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Check the dimension of all serviceable runways that support the installation. Calculate a score for each runway at the installation as follows: If the runway is not serviceable, get 0 points. See OSD Question 9, column 15 for this data. (N/A means not serviceable.) Otherwise, if the runway is < 150' wide, get 0 points. See OSD Question 9, column 8 for this data. (N/A means 0.) Otherwise, if the runway is < 7,000' long, get 0 points. See OSD Question 9, column 7 for this data. (N/A means 0.) Otherwise, if the runway is >= 12,000' long, get 100 points. Otherwise, pro-rate the runway length from 7,000' to 12,000' on a 50 to 100 scale to get the points. The overall score is the highest score received by any one runway. Example: An installation has two runways, Alpha and Bravo. Alpha is 12,000' long, 160' wide, and full of huge holes because it has partially been demolished, so it is not serviceable. Bravo is 9,500' long and 152' wide, plus it is fully serviceable. Runway Alpha scores 0 points because it isn't serviceable. Runway Bravo meets all the specified criteria so it gets some points. 9,500' is halfway between 7,000' and 12,000', so Runway Bravo gets 75 points. Runway Bravo has the highest score for any runway at the installation, so its score of 75 is used for the installation's score.
Source	FLIP; AFCESA Pavement Evaluation/Condition Report/Survey; Existing Record Drawings or Physical Verification; Base Real Property Records

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	9.55	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	9.55	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)

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Formula Sheet for **Ellsworth AFB**

MCI: **Tanker**

Formula	19.00
Title	Hangar Capability - Large Aircraft
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Check the facilities to hangar large aircraft. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Total the gross square feet for hangars for each installation. See OSD Question 19, column 5 for this data, but ignore all hangars whose Service Facility Code is not a 1, 2, or 3. See OSD Question 19, column 4 for this data. Also ignore all hangars whose door opening size < 131'. See OSD Question 19, column 6 for this data. Also ignore all hangars whose gross square feet < 6000. See OSD Question 19, column 5 for this data. If the sum above is < 6000 square feet, get 0 points. Otherwise, if the sum above is = the highest score received by any installation, get 100 points. Otherwise, pro-rate the sum above between 6000 and the highest score received by any installation on a 25 to 100 point scale. Example: There are three hangars on the facility that have a Service Facility Code of 1, 2, or 3, and which have door openings >= 131' in width, and which are at least 6,000 gross square feet in size. Those three hangars have a gross square footage of 6,000, 14,000 and 10,000 respectively, for a total of 30,000 gross square feet at that installation. The highest number of gross square feet at any installation using the above formula is 50,000. 30,000 is 65.91% of the way between 6,000 and 50,000, so the score is 65.91.
Source	ACES-RP, Record Drawings, Base Real Property Records; pre-populated from ACES-RP; "Service Facility Condition Code" rated 1 through 6 in accordance with OSD BRAC library

Formula Score	50.33	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	3.32	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.67	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	1.65	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
28	Real Property	19 .	Hangars, Maintenance Facilities, and Nose Docks
28	Real Property	19 . 4	Service Facility Condition Code
28	Real Property	19 . 5	Facility Size (GSF)
28	Real Property	19 . 6	Largest Door Opening Width

Formula Sheet for **Ellsworth AFB**

MCI: **Tanker**

Formula	19.00
Title	Hangar Capability - Large Aircraft

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Formula Sheet for **Ellsworth AFB**

MCI: **Tanker**

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance
Criterion	Contingency, Mobilization, Future Forces
Attribute	Growth Potential

Formula

Check the attainment designation classifications of the installation's NAAQS (National Ambient Air Quality Standard) for the following applicable criteria: Attainment, Nonattainment, Nonattainment (Deferred), Maintenance, and Unclassifiable. Identify the amount of the SIP emissions budget for non-attainment and maintenance criteria pollutants, if any, allocated to the installation.

Use the following formula to compute this score:

Multiply the Attainment / Emission Budget Growth Allowance MinA by the Attainment / Emission Budget Growth Allowance *B* for the base score. Add the SIP Score to the base score. If the base score is now over 100, reduce it to 100.

SIP Score:

Sum the Installation SIP Growth Allowance (Tons/Year)" for the following constituents: '001. VOC' and '002. Nox'.
See OSD question 221, column 3 for the Installation SIP Growth Allowance (Tons/Year). See OSD Question 221, column 1 for the constituent.
If the total is > 0, then SIP Score = 20, otherwise it is 0.

Attainment / Emission Budget Growth Allowance MinA and *B*:

Perform the following calculation for each of the specified criteria pollutants and pick the lowest value from them all.

The criteria pollutants are '002. PM10', '004. S02', '005. CO', 007. O3 (8hr)*'. See OSD Question 213, column 1 for this data.

Attainment / Emission Budget Growth Allowance MinA:

If the NAAQS Designation is Attainment, Unclassifiable, Nonattainment (Deferred), Unclassifiable/Attainment, Unclassifiable/Attainment (EAC), Nonattainment-deferred (EAC), Attainment (EAC) or N/A, get 100. See OSD Question 213, column 2 for this data.

Otherwise, if the NAAQS Designation is Maintenance, get 77.778.

Otherwise, if the NAAQS Classification is Marginal, Subpart 1, Moderate, Primary, or Secondary, get 66.667. See OSD Question 213, column 3 for this data.

Otherwise, if the NAAQS Classification is Serious, get 43.5.

Otherwise, if the NAAQS Classification is Severe, Severe-15, or Severe-17, get 25.714.

Otherwise, if the NAAQS Classification is Extreme, get 7.

Otherwise, get 0.

Attainment / Emission Budget Growth Allowance *B*:

If the NAAQS Designation is Attainment, Unclassifiable, Nonattainment (Deferred), Unclassifiable/Attainment, Unclassifiable/Attainment (EAC), Nonattainment-deferred (EAC), Attainment (EAC) or N/A, get 1. See OSD Question 213, column 2 for this data.

Otherwise, if the NAAQS Designation is Maintenance, get .9.

Formula Sheet for **Ellsworth AFB**

MCI: **Tanker**

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance

Otherwise, if the NAAQS Classification is Marginal, Subpart 1, Moderate, Primary, or Secondary, get .9. See OSD Question 213, column 3 for this data.

Otherwise, if the NAAQS Classification is Serious, get .8.

Otherwise, if the NAAQS Classification is Severe, Severe-15, or Severe-17, get .7.

Otherwise, if the NAAQS Classification is Extreme, get 1.

Otherwise, get 0.

Example:

The NAAQS Designation for 002. PM10 is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9.
The NAAQS Designation for 004. S02 is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9
The NAAQS Designation for 005. CO is Nonattainment and the NAAQS Classification is Severe, which means 25.714 * .8.
The NAAQS Designation for 007. O3 (8hr)* is Maintenance and the NAAQS Classification is N/A, which means 77.778 * .9.

25.714 * .8, which equals 20.5712, is the lowest value, so it becomes the base score.

The Installation SIP Growth Allowance (Tons/Year) for 001. VOC is 0, for 002. Nox it is 1. As the total of these two values is > 0, the SIP Score = 20, which needs to be added to the base score of 20.5712, for a new base score of 40.5712. This is less than 100, so it does not need to be reduced to 100, which makes the final score = 40.5712.

Source	DoD#213: Current Edition of 40 CFR 81; or Federal Register; or Federal Register Citation to EPA's "final rule" approving the area's "maintenance plan" and "redesignation" of the area to "attainment status" DoD#221: State Implementation Plan	
Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.35	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.35	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

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Formula Sheet for Ellsworth AFB

MCI: Tanker

Formula	213.00
Title	Attainment / Emission Budget Growth Allowance

Supporting Data

Section	Question.Field	
12 Environment	213 .	Air Quality Attainment
12 Environment	213 .2	NAAQS Designation
12 Environment	213 .3	NAAQS Classification
12 Environment	221 .	SIP Emissions Budget
12 Environment	221 .1	Criteria Pollutant
12 Environment	221 .3	(b) Installation SIP Growth Allowance

Formula Sheet for Ellsworth AFB

MCI: Tanker

Formula	1205.10
Title	Buildable Acres for Industrial Operations Growth
Criterion	Contingency, Mobilization, Future Forces
Attribute	Growth Potential
Formula	Identify the number of "buildable," unconstrained, development acres available for industrial operations. Sum the number of suitable acres at the installation. See OSD Question 1205, column 3 for the data. (N/A means 0.) If the number of acres is >= 150, get 100 points. If < 5 acres, get 0 points. Otherwise, pro-rate the number of acres between 5 and 150 on a 0 to 100 point scale. Example: There are three separate tracts of land that are suitable, comprised of 10, 22.5, and 45 acres respectively, for a total of 77.5 acres. 72.5 is halfway between 5 and 150 acres, so the score is 50.
Source	AFI 32-7062, AICUZ Study Base Comprehensive Plan component plans such as Cultural Resource Management Plans, Natural Resource Management Plans and special studies, Base comprehensive plan maps

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.58	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.58	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
4 CE Programming	1205 .	Installation - Unconstrained Development Acreage
4 CE Programming	1205 .3	Total Unconstrained, Buildable Industrial Operations

Formula Sheet for Ellsworth AFB

MCI: Tanker

Formula	1205.20
Title	Buildable Acres for Air Operations Growth
Criterion	Contingency, Mobilization, Future Forces
Attribute	Growth Potential
Formula	Buildable acres for air operations growth. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Sum the number of suitable acres at the installation. See OSD Question 1205, column 5 for the data. (N/A means 0.) If the number of acres is >= 150, get 100 points. If < 5 acres, get 0 points. Otherwise, pro-rate the number of acres between 5 and 150 on a 0 to 100 point scale. Example: There are three separate tracts of land that are suitable, comprised of 10, 22.5, and 45 acres respectively, for a total of 77.5 acres. 72.5 is halfway between 5 and 150 acres, so the score is 50.
Source	AFI 32-7062, AICUZ Study Base Comprehensive Plan component plans such as Cultural Resource Management Plans, Natural Resource Management Plans and special studies, Base comprehensive plan maps

Formula Score	21.38	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.58	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.34	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	1.24	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
4	CE Programming	1205 .	Installation - Unconstrained Development Acreage
4	CE Programming	1205 . 5	Total Unconstrained, Buildable Airfield Operations/ Maintenance

Formula Sheet for Ellsworth AFB

MCI: Tanker

Formula	1207.00
Title	Level of Mission Encroachment
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Characterize the level of encroachment for the area in which the installation is located. There are four categories of acres for this purpose: 65-69, 70-74, 75-79, and 80+. See OSD Question 1208, column 1 for this data. For each category, compute a category total as follows: If the total acres in that category = 0, get 0 points. See OSD question 1208, column 5. (N/A means 0.) Otherwise, compute the ratio of residential acres to the respective total acres. See OSD question 1208, columns 4 for residential acres. (N/A means 0.) Subtract the 65-69 category total from 1, then multiply the result by 0.13. Subtract the 70-74 category total from 1, then multiply the result by 0.19. Subtract the 75-79 category total from 1, then multiply the result by 0.28. Subtract the 80+ category total from 1, then multiply the result by 0.4. Add the above 4 amounts together and multiply the result by 100 for the raw total. Add these points to the raw total as follows: If the installation purchased "Restrictive Easements" on undeveloped or developed land, add 7 points. See OSD Question 1209, columns 2 and 3 for this data, where a Yes in either qualifies for the 7 points. (N/A means no.) If the installation confirms "Land Use Controls that Correlate w/ AICUZ-JLUS Recommendation.", add 5 points. See OSD Question 1209, column 5 for this data, where a Yes qualifies for the 5 points. (N/A means no.) If the installation is in a state that has Mandatory Coordination of Development Proposals or there is a Local Joint Land Use Coordinating Board, add 1 point. See OSD Question 1209, columns 6 or 8 for this data, where a Yes in either qualifies for the 1 point. The above process can compute a score from 0 to 113. If the computed score is > 100, it is dropped to 100. Example: 60-65 Residential acres: 50 60-65 Total acres: 100 70-74 Residential acres: 50 70-74 Total acres: 100 75-79 Residential acres: 50 75-79 Total acres: 100 80+ Residential acres: 50 80+ Total acres: 100 Restrictive Easements = Yes (column 2) and No (column 3) Land Use Controls ... = N/A Mandatory Coordination ... = No and No. ((1 - (50 / 100)) * 0.13) + ((1 - (50 / 100)) * 0.19) + ((1 - (50 / 100)) * 0.28)

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Formula Sheet for Ellsworth AFB

MCI: Tanker

Formula	1207.00	
Title	Level of Mission Encroachment	
	+ ((1 - (50 / 100)) * 0.4) + 7 + 0 + 0 for a score of 7.5 points.	
Source	1207: AFI 32-7063, AFH 32-7084, AICUZ Report, Base Comprehensive Plan F Series maps or D Series as noted in AFI 32-7062 Atch7, local governmental zoning or land use planning authorities; 1208: AFI 32-7063, AICUZ Report, MAJCOM Approved Noise Study; 1209: State legislation, local referendums to purchase lands, zoning ordinance, noise exposure maps, noise control plans, documentation of state purchases of land	
Formula Score	89.72	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	2.08	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.86	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.21	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
4	CE Programming	1208 .	Installation - Encroachment (2 of 3)
4	CE Programming	1208 . 4	Residential
4	CE Programming	1208 . 5	Total Acres
4	CE Programming	1209 .	Installation - Encroachment (3 of 3)
4	CE Programming	1209 . 2	Purchased Restrictive Easements On Undeveloped Land (1)
4	CE Programming	1209 . 3	Purchased Restrictive Easements On Currently Developed Land (2)
4	CE Programming	1209 . 5	Land Use Controls that Correlate w/ AICUZ-JLUS Recommendation (4)
4	CE Programming	1209 . 6	Mandatory Coordination of Development Proposals (5)
4	CE Programming	1209 . 8	Local Joint Land Use Coordination Board (7)

Formula Sheet for Ellsworth AFB

MCI: Tanker

Formula	1214.00	
Title	Fuel Dispensing Rate to Support Mobility and Surge	
Criterion	Contingency, Mobilization, Future Forces	
Attribute	Mobility/Surge	
Formula	Check the installation's sustained jet fuel dispensing rate capability. Sum the JP5 and JP8 figures for jet fuel dispensing. See OSD Question 1214, column 4, for both JP5 and JP8. (N/A equals 0.) If the sum is >= 2,500,000 gallons, get 100 points. If the sum is = 0 gallons, get 0 points. Otherwise, pro-rate the sum of gallons between 0 and 2,500,000 on a 0 to 100 point scale. Example: JP5 can handle 500,000 gallons. JP8 can handle 750,000 gallons, for a total of 1,250,000 gallons. 1,250,000 is halfway between 0 and 2,500,000 gallons, for a score of 50.	
Source	Base Support Plan as required by AFI 10-404, Attachment 20	
Formula Score	63.36	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	3.85	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	2.44	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	1.41	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
15	Fuel	1214 .	POL - Maximum Dispensing Rate
15	Fuel	1214 . 1	Jet Fuel Dispensing Rate
15	Fuel	1214 . 4	Sustained Jet Fuel Dispensing Rate

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Formula Sheet for **Ellsworth AFB**

MCI: **Tanker**

Formula	1235.00
Title	Installation Pavements Quality
Criterion	Condition of Infrastructure
Attribute	Key Mission Infrastructure
Formula	Identify if the installation pavement for the primary runway can support Tanker aircraft operations.

If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts.

Compute the runway pavement suitability score and the apron pavement suitability score. Each of these is worth 50% of the overall score.

Runway Pavement Suitability:

Find the highest PCN among all the runways. See OSD Question 1235, column 3 for this data. (N/A means 0.) Compute a score for every runway with that PCN and use the highest scoring runway.

Score the runway for runway pavement suitability as follows:

Get the KC-10 ACN. See OSD Question 1236, column 5 for the KC-10 ACN. (N/A means 0.)
Get the KC-135 ACN. See OSD Question 1235, column 7 for the KC-135 ACN. (N/A means 0.)

If the PCN is N/A or 0, get 0 points.
Otherwise, if the KC-10 ACN divided by the PCN > 0 and <= 1.0, then get 100 points.
Otherwise, if the KC-135 ACN divided by the PCN > 0 and <= 1.0, then get 75 points.
Otherwise, if the KC-135 ACN divided by the PCN > 0 and <= 1.1, then get 50 points.
Otherwise, get 0 points.

Apron pavement suitability:

Score each apron for pavement quality and choose the highest scoring apron.

Get the KC-10 ACN. See OSD Question 1240, column 7 for this data. (N/A means 0.)
Get the KC-135 ACN. See OSD Question 1240, column 3 for this data. (N/A means 0.)
If the PCN is 0 or N/A, get 0 points. See OSD Question 1239, column 4 for this data.
Sum the apron pavement square yardage (see OSD Question 1239, column 2, N/A means 0) where the KC-10 ACN divided by the PCN > 0 and <= 1.0.
Sum the apron pavement square yardage (see OSD Question 1239, column 2, N/A means 0) where the KC-135 ACN divided by the PCN > 0 and <= 1.0.

If the KC-10 square yardage >= 532,000, get 100 points.
Otherwise, if the KC-135 square yardage >= 336,000, get 75 points.
Otherwise, if the KC-135 square yardage >= 168,000, get 50 points.
Otherwise, get 0 points.

Example:

There are 2 runways on the base, but one has the highest runway pavement PCN value, which is 120. The ACN for an KC-10 on that runway is 55, 55 divided by 120 is <= 1.0, so the base gets 100 pts for runway pavement suitability. In this case, the KC-135 ACN/PCN ratio was a moot point.

There are 2 apron pavements on the base. Apron Alpha has a PCN of 120 and 200,000 square yards of surface. Apron Bravo has a PCN of 50 and 150,000 square yards. The ACN for KC-10s on both aprons is 55, and for KC-135s it is 43.

Apron Alpha's ACN/PCN ratio for KC-10s is 55/120, which is less that 1.0. This counts as 200,000 square yards for the KC-10. Apron Bravo's ACN/PCN ratio for KC-10s is 55/50, which is more than 1.0, so it's square yards aren't counted towards KC-10 square yardage. This gives us a total of 200,000 KC-10 square yards, which is not greater than 532,000 square yards.

Formula Sheet for **Ellsworth AFB**

MCI: **Tanker**

Formula	1235.00	
Title	Installation Pavements Quality	
	Apron Alpha's ACN/PCN ratio for KC-135s is 43/120, which is less that 1.0. This counts as 200,000 square yards for the KC-135. Apron Bravo's ACN/PCN ratio for KC-135s is 43/50, which is less than 1.0, so it's 150,000 square yards are also counted towards KC-135 square yardage. This gives us a total of 350,000 KC-135 square yards, which is greater than 336,000 square yards, which gives us a score of 75 points for apron pavement suitability. 50% of the Runway pavement suitability score of 100 equals 50. 50% of the apron pavement score of 75 equals 37.5. 50 plus 37.5 equals a score of 87.5.	
Source	AFCESA Pavement Evaluation Report and Base General Plan; Existing Record Drawings or Physical Verification; Base Real Property Records; FLIP; ASSR	
Formula Score	87.50	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	14.53	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	12.71	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	1.82	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 .7	Length
1	Air/Space Operations	9 .8	Width
1	Air/Space Operations	9 .15	Serviceable (5)
37	Airfield Pavements	1235 .	Airfield Pavements - Runway (1 of 2)
37	Airfield Pavements	1235 .3	Controlling Feature PCN
37	Airfield Pavements	1236 .	Airfield Pavements - Runway (2 of 2)
37	Airfield Pavements	1236 .5	ACN for KC-10 at 590 Kips
37	Airfield Pavements	1239 .	Airfield Pavements - Aprons (1 of 2)
37	Airfield Pavements	1239 .2	Total Size of Primary Facility (2)
37	Airfield Pavements	1239 .4	Predominant Feature PCN (4)
37	Airfield Pavements	1240 .	Airfield Pavements - Aprons (2 of 2)
37	Airfield Pavements	1240 .3	ACN for KC-135R at 323 Kips
37	Airfield Pavements	1240 .7	ACN for KC-10 at 590 Kips

Formula Sheet for Ellsworth AFB

MCI: Tanker

Formula	1241.00
Title	Ability to Support Large-Scale Mobility Deployment
Criterion	Contingency, Mobilization, Future Forces
Attribute	Mobility/Surge
Formula	State installation's parking MOG for C-17 equivalents using surveyed/approved transient parking ramps. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Find the total number of C-17 MOGs. See OSD Question 1241, column 1 for this data. If the total is >= 6, get 100 points. Otherwise, if the total is >= 4, get 75 points. Otherwise, if the total is >= 2, get 25 points. Otherwise, get 0 points. Example: There are a total of 3 C-17 MOGs. 3 is between 2 and 4, so the score is 25 points.
Source	ASR (Airfield Suitability Report)

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.65	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	1.65	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
39	Airfield Management	1241 .	Ramp - Transient Capability
39	Airfield Management	1241 . 1	C-17 MOG

Formula Sheet for Ellsworth AFB

MCI: Tanker

Formula	1242.00
Title	ATC Restrictions to Operations
Criterion	Current / Future Mission
Attribute	Operating Environment
Formula	List the percentage of installation departures delayed by Air Traffic Control. If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. Check the Delayed Departures Percentage. See OSD question 1242, column 5 for this data. If the percentage delayed = 0, get 100 points. Otherwise, if the percentage delayed is >= 3%, get 0 points. Otherwise, pro-rate the percentage delayed between 0 to 3% on a 100 to 0 point scale. Example: The departure percentage delayed is 1%. 1% is one third of the way between 0 and 3%, so the score is 66.67 points.
Source	CAMS (Computerized Aircraft Maintenance System)/ G081

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	6.90	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	6.90	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section		Question.Field	
1	Air/Space Operations	9 .	Runways
1	Air/Space Operations	9 . 7	Length
1	Air/Space Operations	9 . 8	Width
1	Air/Space Operations	9 . 15	Serviceable (5)
39	Airfield Management	1242 .	Air Operations - Departure Delays
39	Airfield Management	1242 . 5	Precentage Delayed for ATC

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Formula Sheet for Ellsworth AFB

MCI: Tanker

Formula	1245.00
Title	Proximity to Airspace Supporting Mission (ASM)
Criterion	Current / Future Mission
Attribute	Geo-locational Factors
Formula	If installation has no runway or no active runway, or no serviceable, suitable runway then score 0 pts. For each airspace: If the Airspace/Route Designator does not start with AR, get 0 points. See OSD # 1245, column 1 for this data. Otherwise, if the distance to the airspace is > 850 miles, get 0 points. See OSD # 1245, column 2. (N/A means more than 850 NM.) Otherwise, if the distance to the airspace = 850 miles, get 10 points. Otherwise, if the distance to the airspace = 250 miles, get 100 points. Otherwise, pro-rate the distance to the airspace from 250 miles to 850 miles on a 100 to 10 point scale. This is the base raw total. Once you have a base raw total, find the highest, and the lowest, non-zero raw total across all bases. If the raw total = 0, the score = 0. Else, if the raw total = the highest raw total, the score = 100. Else, if the raw total = the lowest, non-zero raw total, the score = 10. Else, pro-rate the raw total between the lowest non-zero raw total and the highest raw total on a 10 to 100 scale.
Source	FLIP AP-1A; FLIP AP-1B; IFR Supp; Falcon View or other certified flight planning software
Formula Score	75.77 — This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	39.10 — This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	29.63 — This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	9.47 — The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
1 Air/Space Operations	9 .	Runways
1 Air/Space Operations	9 .7	Length
1 Air/Space Operations	9 .8	Width
1 Air/Space Operations	9 .15	Serviceable (5)
1 Air/Space Operations	1245 .	Airspace - Distance to Airspace
1 Air/Space Operations	1245 .1	Airspace/Route Designator
1 Air/Space Operations	1245 .2	Distance to Airspace/Route

Formula Sheet for Ellsworth AFB

MCI: Tanker

Formula	1250.00
Title	Area Cost Factor
Criterion	Cost of Ops / Manpower
Attribute	Cost Factors
Formula	Evaluate the Area Cost Factor for each installation. Find the lowest area cost factor listed for that installation. See OSD question 1250, column 2 for this data. If the area cost factor <= 0.78, get 100 points. Otherwise, if the area cost factor >= 1.42, get 0 points. Otherwise, pro-rate the area cost factor between 0.78 and 1.42, on a 100 to 0 point scale. Example: The lowest area cost factor for the base is 1.3. 1.3 is 81.25% of the way between 0.78 and 1.42, so the score is 18.75 points.
Source	DoD Facilities Pricing Guide, Table B, March 2004
Formula Score	76.56 — This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	1.25 — This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.96 — This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.29 — The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
4 CE Programming	1250 .	Area Cost Factor
4 CE Programming	1250 .2	Area Cost Factor

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Formula Sheet for **Ellsworth AFB**

MCI: **Tanker**

Formula	1269.00	
Title	Utilities cost rating (U3C)	
Criterion	Cost of Ops / Manpower	
Attribute	Cost Factors	
Formula	Check the Utilities Costs and Climatic Consideration (U3C) Rating for the installation. If the U3C rating is <= .59, get 100 points. See OSD Question 1269, column 1 for this data. Otherwise, if the U3C rating is >= 2.29, get 0 points. Otherwise, pro-rate the U3C rating between .59 and 2.29 on a 100 to 0 scale. Example: The U3C rating is 1.6. 1.6 is 59.41% of the way between .59 and 2.29, so the score is 40.59.	
Source	ASHRAE Standards; DoD 5126.46-M-2, Defense Utility Energy Reporting System; UFC 3-400-02, DOE Website: Buildings Energy Databook: Table 7.4 Typical Commercial Buildings	
Formula Score	99.41	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	0.13	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.12	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
35 Utilities	1269 .	Utilities Cost Rating (U3C)
35 Utilities	1269 . 1	Answer

Formula Sheet for **Ellsworth AFB**

MCI: **Tanker**

Formula	1402.00	
Title	BAH Rate	
Criterion	Cost of Ops / Manpower	
Attribute	Cost Factors	
Formula	Check the 2004 monthly BAH rate for an O-3 with dependents. See OSD question 1402, column 1 for this data. If the BAH rate <= 746, get 100 points. Otherwise, if the BAH rate >= 2013, get 0 points. Otherwise, pro-rate the BAH rate between 746 and 2013 on a 100 to 0 scale. Example: The BAH rate is 974. 974 is 18% between 746 and 2013, which results in a score of 82.00.	
Source	www.dtic.mil/perdiem/bah.html	
Formula Score	80.19	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	0.88	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.70	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.17	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
13 Finance	1402 .	BAH Rate
13 Finance	1402 . 1	BAH Rate

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Formula Sheet for **Ellsworth AFB**

MCI: Tanker

Formula	1403.00
Title	GS Locality Pay Rate
Criterion	Cost of Ops / Manpower
Attribute	Cost Factors
Formula	Check the 2004 locality pay rate for the GS pay schedule. See OSD question 1403, column 1 for this data. (N/A equals 0.) If the pay rate <= 10.90, get 100 points. Otherwise, if the pay rate >= 20.37, get 0 points. Otherwise, pro-rate the pay rate between 10.90 and 20.37 on a 100 to 0 scale. Example: The pay rate is 14.31, which is 36.01% of the way between 10.90 and 20.37, which results in a score of 63.99.
Source	Office of Personnel Management Web page

Formula Score	100.00	This is the unweighted formula's score for this base on a 0 to 100 scale. A score of 100 equals the Max Points once the weighting for this formula is applied.
Max Points	0.25	This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points	0.25	This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points	0.00	The difference between Max Points and Earned Points.

Supporting Data

Section	Question.Field	
13 Finance	1403 .	GS Locality Pay Rate
13 Finance	1403 . 1	GS Locality Pay Rate

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USAF BRAC 2005 Base MCI Score Sheets

Base Score Sheet for Ellsworth AFB
MCI: Airlift

(The questions that lost the most points are at the top of the list.)

Max Points
This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points
This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points
The difference between Max Points and Earned Points.
Running Score from 100
The maximum MCI score is 100 and the minimum is 0. This is a running balance that shows the impact of the lost points from the formula evaluation on the overall MCI score for the base.

Formula		Max Points	Earned Points	Lost Points	Running Score from 100
1248.00	Proximity to DZ/LZ	14.72	3.48	11.24	88.76
1246.00	Proximity to Low Level Routes Supporting Mission	13.98	2.79	11.19	77.57
1249.00	Airspace Attributes of DZ/LZ	8.30	1.81	6.49	71.08
1273.00	Aerial Port Proximity	8.10	4.05	4.05	67.03
19.00	Hangar Capability - Large Aircraft	3.32	1.67	1.65	65.38
1205.20	Buildable Acres for Air Operations Growth	1.96	0.42	1.54	63.84
8.00	Ramp Area and Serviceability	5.98	4.48	1.49	62.35
1235.00	Installation Pavements Quality	11.95	10.46	1.49	60.86
1214.00	Fuel Dispensing Rate to Support Mobility and Surge	2.20	1.39	0.81	60.05
1250.00	Area Cost Factor	1.25	0.96	0.29	59.76
1207.00	Level of Mission Encroachment	1.66	1.49	0.17	59.59
1402.00	BAH Rate	0.88	0.70	0.17	59.42
1.00	Fuel Hydrant Systems Support Mission Growth	4.32	4.32	0.00	59.42
9.00	Runway Dimension and Serviceability	5.98	5.98	0.00	59.42
213.00	Attainment / Emission Budget Growth Allowance	1.68	1.68	0.00	59.42
1205.10	Buildable Acres for Industrial Operations Growth	1.96	1.96	0.00	59.42
1241.00	Ability to Support Large-Scale Mobility Deployment	2.20	2.20	0.00	59.42
1242.00	ATC Restrictions to Operations	5.98	5.98	0.00	59.42
1269.00	Utilities cost rating (U3C)	0.13	0.12	0.00	59.42
1271.00	Prevailing Installation Weather Conditions	3.22	3.22	0.00	59.42
1403.00	GS Locality Pay Rate	0.25	0.25	0.00	59.42

USAF BRAC 2005 Base MCI Score Sheets

Base Score Sheet for Ellsworth AFB
MCI: Bomber

(The questions that lost the most points are at the top of the list.)

Max Points
This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points
This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points
The difference between Max Points and Earned Points.
Running Score from 100
The maximum MCI score is 100 and the minimum is 0. This is a running balance that shows the impact of the lost points from the formula evaluation on the overall MCI score for the base.

Formula		Max Points	Earned Points	Lost Points	Running Score from 100
1245.00	Proximity to Airspace Supporting Mission (ASM)	20.24	2.29	17.95	82.05
1246.00	Proximity to Low Level Routes Supporting Mission	16.56	3.47	13.09	68.96
1266.00	Range Complex (RC) Supports Mission	12.45	1.57	10.88	58.08
1231.00	Certified Weapons Storage Area	2.03	0.00	2.03	56.05
1205.20	Buildable Acres for Air Operations Growth	1.96	0.42	1.54	54.51
19.00	Hangar Capability - Large Aircraft	2.91	1.46	1.44	53.07
1214.00	Fuel Dispensing Rate to Support Mobility and Surge	2.64	1.67	0.97	52.10
1235.00	Installation Pavements Quality	4.94	4.32	0.62	51.48
1250.00	Area Cost Factor	1.25	0.96	0.29	51.19
1207.00	Level of Mission Encroachment	2.03	1.82	0.21	50.98
1402.00	BAH Rate	0.88	0.70	0.17	50.81
1.00	Fuel Hydrant Systems Support Mission Growth	2.03	2.03	0.00	50.81
8.00	Ramp Area and Serviceability	3.49	3.49	0.00	50.81
9.00	Runway Dimension and Serviceability	5.52	5.52	0.00	50.81
213.00	Attainment / Emission Budget Growth Allowance	1.68	1.68	0.00	50.81
1205.10	Buildable Acres for Industrial Operations Growth	1.96	1.96	0.00	50.81
1232.00	Sufficient Explosives-sited Parking	3.20	3.20	0.00	50.81
1233.00	Sufficient Munitions Storage	2.91	2.91	0.00	50.81
1241.00	Ability to Support Large-Scale Mobility Deployment	1.76	1.76	0.00	50.81
1242.00	ATC Restrictions to Operations	5.52	5.52	0.00	50.81
1269.00	Utilities cost rating (U3C)	0.13	0.12	0.00	50.81
1271.00	Prevailing Installation Weather Conditions	3.68	3.68	0.00	50.81
1403.00	GS Locality Pay Rate	0.25	0.25	0.00	50.81

USAF BRAC 2005 Base MCI Score Sheets

Base Score Sheet for Ellsworth AFB
MCI: C2ISR

(The questions that lost the most points are at the top of the list.)

Max Points
This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points
This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points
The difference between Max Points and Earned Points.
Running Score from 100
The maximum MCI score is 100 and the minimum is 0. This is a running balance that shows the impact of the lost points from the formula evaluation on the overall MCI score for the base.

Formula		Max Points	Earned Points	Lost Points	Running Score from 100
1245.00	Proximity to Airspace Supporting Mission (ASM)	29.90	22.66	7.24	92.76
19.00	Hangar Capability - Large Aircraft	2.91	1.46	1.44	91.32
1205.20	Buildable Acres for Air Operations Growth	1.80	0.38	1.42	89.90
1214.00	Fuel Dispensing Rate to Support Mobility and Surge	2.80	1.77	1.03	88.87
1251.00	Frequency Spectrum Limitations (FSL)	8.05	7.58	0.47	88.40
1250.00	Area Cost Factor	1.25	0.96	0.29	88.11
1207.00	Level of Mission Encroachment	2.08	1.86	0.21	87.90
1402.00	BAH Rate	0.88	0.70	0.17	87.73
1.00	Fuel Hydrant Systems Support Mission Growth	2.08	2.08	0.00	87.73
8.00	Ramp Area and Serviceability	9.13	9.13	0.00	87.73
9.00	Runway Dimension and Serviceability	9.13	9.13	0.00	87.73
213.00	Attainment / Emission Budget Growth Allowance	2.40	2.40	0.00	87.73
1205.10	Buildable Acres for Industrial Operations Growth	1.80	1.80	0.00	87.73
1235.00	Installation Pavements Quality	16.19	16.19	0.00	87.73
1241.00	Ability to Support Large-Scale Mobility Deployment	1.20	1.20	0.00	87.73
1242.00	ATC Restrictions to Operations	8.05	8.05	0.00	87.73
1269.00	Utilities cost rating (U3C)	0.13	0.12	0.00	87.73
1403.00	GS Locality Pay Rate	0.25	0.25	0.00	87.73

USAF BRAC 2005 Base MCI Score Sheets

Base Score Sheet for Ellsworth AFB
MCI: Fighter

(The questions that lost the most points are at the top of the list.)

Max Points
This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points
This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points
The difference between Max Points and Earned Points.
Running Score from 100
The maximum MCI score is 100 and the minimum is 0. This is a running balance that shows the impact of the lost points from the formula evaluation on the overall MCI score for the base.

Formula		Max Points	Earned Points	Lost Points	Running Score from 100
1245.00	Proximity to Airspace Supporting Mission (ASM)	22.08	2.47	19.61	80.39
1246.00	Proximity to Low Level Routes Supporting Mission	7.25	1.26	5.98	74.41
1266.00	Range Complex (RC) Supports Mission	11.95	6.11	5.84	68.57
1203.00	Access to Adequate Supersonic Airspace	6.72	2.02	4.71	63.86
1270.00	Suitable Auxiliary Airfields Within 50NM	5.18	2.59	2.59	61.27
1205.20	Buildable Acres for Air Operations Growth	1.96	0.42	1.54	59.73
1214.00	Fuel Dispensing Rate to Support Mobility and Surge	2.64	1.67	0.97	58.76
1250.00	Area Cost Factor	1.25	0.96	0.29	58.47
1207.00	Level of Mission Encroachment	2.28	2.05	0.23	58.24
1402.00	BAH Rate	0.88	0.70	0.17	58.07
8.00	Ramp Area and Serviceability	2.97	2.97	0.00	58.07
9.00	Runway Dimension and Serviceability	2.28	2.28	0.00	58.07
213.00	Attainment / Emission Budget Growth Allowance	1.68	1.68	0.00	58.07
1205.10	Buildable Acres for Industrial Operations Growth	1.96	1.96	0.00	58.07
1221.00	Hangar Capability - Small Aircraft	3.88	3.88	0.00	58.07
1232.00	Sufficient Explosives-sited Parking	3.65	3.65	0.00	58.07
1233.00	Sufficient Munitions Storage	4.79	4.79	0.00	58.07
1235.00	Installation Pavements Quality	2.97	2.97	0.00	58.07
1241.00	Ability to Support Large-Scale Mobility Deployment	1.76	1.76	0.00	58.07
1242.00	ATC Restrictions to Operations	5.98	5.98	0.00	58.07
1269.00	Utilities cost rating (U3C)	0.13	0.12	0.00	58.07
1271.00	Prevailing Installation Weather Conditions	5.52	5.52	0.00	58.07
1403.00	GS Locality Pay Rate	0.25	0.25	0.00	58.07

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USAF BRAC 2005 Base MCI Score Sheets

Base Score Sheet for Ellsworth AFB
MCI: SOF / CSAR

(The questions that lost the most points are at the top of the list.)

Max Points
This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points
This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points
The difference between Max Points and Earned Points.
Running Score from 100
The maximum MCI score is 100 and the minimum is 0. This is a running balance that shows the impact of the lost points from the formula evaluation on the overall MCI score for the base.

Formula		Max Points	Earned Points	Lost Points	Running Score from 100
1245.00	Proximity to Airspace Supporting Mission (ASM)	14.72	1.57	13.15	86.85
1266.00	Range Complex (RC) Supports Mission	14.84	1.72	13.12	73.73
1248.00	Proximity to DZ/LZ	14.72	1.86	12.86	60.87
1249.00	Airspace Attributes of DZ/LZ	7.99	0.91	7.07	53.80
1243.00	Airfield Elevation	3.68	0.00	3.68	50.12
1246.00	Proximity to Low Level Routes Supporting Mission	3.68	0.28	3.40	46.72
1205.20	Buildable Acres for Air Operations Growth	1.96	0.42	1.54	45.18
1214.00	Fuel Dispensing Rate to Support Mobility and Surge	1.76	1.12	0.64	44.54
1250.00	Area Cost Factor	1.25	0.96	0.29	44.25
1402.00	BAH Rate	0.88	0.70	0.17	44.08
1207.00	Level of Mission Encroachment	1.49	1.34	0.15	43.93
8.00	Ramp Area and Serviceability	4.67	4.67	0.00	43.93
9.00	Runway Dimension and Serviceability	2.80	2.80	0.00	43.93
213.00	Attainment / Emission Budget Growth Allowance	1.68	1.68	0.00	43.93
1205.10	Buildable Acres for Industrial Operations Growth	1.96	1.96	0.00	43.93
1232.00	Sufficient Explosives-sited Parking	2.24	2.24	0.00	43.93
1233.00	Sufficient Munitions Storage	2.80	2.80	0.00	43.93
1235.00	Installation Pavements Quality	4.67	4.67	0.00	43.93
1241.00	Ability to Support Large-Scale Mobility Deployment	2.64	2.64	0.00	43.93
1242.00	ATC Restrictions to Operations	4.14	4.14	0.00	43.93
1269.00	Utilities cost rating (U3C)	0.13	0.12	0.00	43.93
1271.00	Prevailing Installation Weather Conditions	5.06	5.06	0.00	43.93
1403.00	GS Locality Pay Rate	0.25	0.25	0.00	43.93

USAF BRAC 2005 Base MCI Score Sheets

Base Score Sheet for Ellsworth AFB
MCI: Space Ops

(The questions that lost the most points are at the top of the list.)

Max Points
This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points
This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points
The difference between Max Points and Earned Points.
Running Score from 100
The maximum MCI score is 100 and the minimum is 0. This is a running balance that shows the impact of the lost points from the formula evaluation on the overall MCI score for the base.

Formula		Max Points	Earned Points	Lost Points	Running Score from 100
1210.00	Line-of-Sight Encroachment	23.00	7.59	15.41	84.59
1250.00	Area Cost Factor	1.25	0.96	0.29	84.30
1402.00	BAH Rate	0.88	0.70	0.17	84.13
30.00	Buildable Acres (Space Mission Bed Down Area)	41.50	41.50	0.00	84.13
213.00	Attainment / Emission Budget Growth Allowance	3.00	3.00	0.00	84.13
1205.10	Buildable Acres for Industrial Operations Growth	7.00	7.00	0.00	84.13
1226.00	Population Density Impact on USAF Mission	23.00	23.00	0.00	84.13
1269.00	Utilities cost rating (U3C)	0.13	0.12	0.00	84.13
1403.00	GS Locality Pay Rate	0.25	0.25	0.00	84.13

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USAF BRAC 2005 Base MCI Score Sheets

Base Score Sheet for Ellsworth AFB
MCI: Tanker

(The questions that lost the most points are at the top of the list.)

Max Points
This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points
This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points
The difference between Max Points and Earned Points.
Running Score from 100
The maximum MCI score is 100 and the minimum is 0. This is a running balance that shows the impact of the lost points from the formula evaluation on the overall MCI score for the base.

Formula		Max Points	Earned Points	Lost Points	Running Score from 100
1245.00	Proximity to Airspace Supporting Mission (ASM)	39.10	29.63	9.47	90.53
1235.00	Installation Pavements Quality	14.53	12.71	1.82	88.71
19.00	Hangar Capability - Large Aircraft	3.32	1.67	1.65	87.06
1214.00	Fuel Dispensing Rate to Support Mobility and Surge	3.85	2.44	1.41	85.65
1205.20	Buildable Acres for Air Operations Growth	1.58	0.34	1.24	84.41
1250.00	Area Cost Factor	1.25	0.96	0.29	84.12
1207.00	Level of Mission Encroachment	2.08	1.86	0.21	83.91
1402.00	BAH Rate	0.88	0.70	0.17	83.74
1.00	Fuel Hydrant Systems Support Mission Growth	4.15	4.15	0.00	83.74
8.00	Ramp Area and Serviceability	7.89	7.89	0.00	83.74
9.00	Runway Dimension and Serviceability	9.55	9.55	0.00	83.74
213.00	Attainment / Emission Budget Growth Allowance	1.35	1.35	0.00	83.74
1205.10	Buildable Acres for Industrial Operations Growth	1.58	1.58	0.00	83.74
1241.00	Ability to Support Large-Scale Mobility Deployment	1.65	1.65	0.00	83.74
1242.00	ATC Restrictions to Operations	6.90	6.90	0.00	83.74
1269.00	Utilities cost rating (U3C)	0.13	0.12	0.00	83.74
1403.00	GS Locality Pay Rate	0.25	0.25	0.00	83.74

USAF BRAC 2005 Base MCI Score Sheets

Base Score Sheet for Ellsworth AFB
MCI: UAV / UCAS

(The questions that lost the most points are at the top of the list.)

Max Points
This is the maximum number of points this formula can contribute to the overall MCI score.
Earned Points
This is the number of points this formula did contribute to the overall MCI score for this base.
Lost Points
The difference between Max Points and Earned Points.
Running Score from 100
The maximum MCI score is 100 and the minimum is 0. This is a running balance that shows the impact of the lost points from the formula evaluation on the overall MCI score for the base.

Formula		Max Points	Earned Points	Lost Points	Running Score from 100
1245.00	Proximity to Airspace Supporting Mission (ASM)	20.70	2.30	18.40	81.60
1266.00	Range Complex (RC) Supports Mission	12.45	6.36	6.09	75.51
1205.20	Buildable Acres for Air Operations Growth	2.80	0.60	2.20	73.31
1272.00	Installation Crosswind Conditions	9.11	7.02	2.09	71.22
1251.00	Frequency Spectrum Limitations (FSL)	6.58	5.71	0.87	70.35
1250.00	Area Cost Factor	1.25	0.96	0.29	70.06
1402.00	BAH Rate	0.88	0.70	0.17	69.89
1207.00	Level of Mission Encroachment	1.45	1.30	0.15	69.74
8.00	Ramp Area and Serviceability	5.23	5.23	0.00	69.74
9.00	Runway Dimension and Serviceability	5.23	5.23	0.00	69.74
213.00	Attainment / Emission Budget Growth Allowance	0.70	0.70	0.00	69.74
1205.10	Buildable Acres for Industrial Operations Growth	3.50	3.50	0.00	69.74
1232.00	Sufficient Explosives-sited Parking	5.81	5.81	0.00	69.74
1233.00	Sufficient Munitions Storage	5.81	5.81	0.00	69.74
1235.00	Installation Pavements Quality	5.52	5.52	0.00	69.74
1241.00	Ability to Support Large-Scale Mobility Deployment	3.00	3.00	0.00	69.74
1242.00	ATC Restrictions to Operations	6.33	6.33	0.00	69.74
1269.00	Utilities cost rating (U3C)	0.13	0.12	0.00	69.74
1271.00	Prevailing Installation Weather Conditions	3.29	3.29	0.00	69.74
1403.00	GS Locality Pay Rate	0.25	0.25	0.00	69.74

DCN: 11868

Bomber

Rank	Base	Bomber	Current / Future Mission	Condition of Infrastructure	Contingency, Mobilization, Future Forces	Cost of Ops / Manpower
1	Seymour Johnson AFB	78.41	80.55	75.14	80.45	85.03
2	Eglin AFB	70.16	62.88	69.82	100	90.39
3	Nellis AFB	68.33	70.74	70.39	54.77	43.94
4	Edwards AFB	68.23	65.51	71.06	75.87	40.87
5	Robins AFB	66.62	62.78	67.36	76	87.45
6	Pope AFB	66.54	75.85	60.66	43.27	86.08
7	Shaw AFB	62.97	67.99	53.19	74.79	85.64
8	Moody AFB	62.36	69.98	48.06	79.47	91.37
9	Langley AFB	62.02	76.3	42.84	72.12	77.2
10	MacDill AFB	61.87	66.44	50.18	85.77	76.56
11	Charleston AFB	61.01	64.68	50.88	82.49	75.49
12	Tyndall AFB	60.8	67.54	49.79	68	90.98
13	Barksdale AFB	60.74	42.61	70.82	97.29	80.79
14	Tinker AFB	60.4	65.22	49.77	75.96	85.8
15	March ARB	58.79	64.12	61.12	27.89	45.41
16	Hill AFB	58.73	45.5	66.3	83.39	77.82
17	Mountain Home AFB	58.44	49.99	62.13	79.54	68.58
18	Andrews AFB	57.19	62.12	50.65	65.5	41.74
19	Hurlburt Field	56.79	63.33	49.8	48.05	87.18
20	Dyess AFB	56.7	51.2	58.78	68.18	77.64
20	Indian Springs AFS	56.7	69.99	47.03	38.84	43.94
22	Holloman AFB	56.57	56.48	54.1	62.59	75.23
23	McConnell AFB	56.28	52.88	61.83	44	75.83
24	Whiteman AFB	56.03	40.12	66.54	80.97	74.42
25	Little Rock AFB	55.78	45.87	59.48	78.03	88.12
26	Kirtland AFB	55.27	54.99	51.65	67.96	69.56
27	Davis-Monthan AFB	54.24	46.78	60.73	57.21	71.89
28	Altus AFB	53.79	56.06	41.75	86.47	80.99
29	McEntire AGS	53.76	66.96	41.86	34.56	85.19
30	Beale AFB	53.29	41.7	63.42	67.18	42.78
31	Luke AFB	52.87	57.37	49.63	41.64	68.92
32	Fairchild AFB	52.78	42.42	56.94	77.86	73.99
33	Jacksonville IAP AGS	52.71	68.04	39.34	31.25	77.87
34	Dover AFB	52.25	56.13	49.91	40.99	64.93
35	Eielson AFB	52.12	52.76	46.54	81.32	16.54
36	Columbus AFB	51.5	51.47	46.44	61.78	94.97
37	Homestead ARS	51.44	46.37	58.47	44.96	53.65
38	Richmond IAP AGS	51	72.78	34.31	13.98	75.18
39	Ellsworth AFB	50.81	32.52	63.44	74.92	81.32
40	Patrick AFB	50.47	63.35	35.27	50.22	66.83
41	Savannah IAP AGS	49.22	66.38	33.66	26	84.65
42	Maxwell AFB	47.77	66.39	30.85	22.86	85.68
43	McGuire AFB	47.61	38.54	54.18	64.69	37.26
44	Dannelly Field AGS	47.39	65.89	30.85	21.36	85.51
45	Sheppard AFB	47.32	53.91	40.52	37.03	80.04
46	Travis AFB	46.72	39.57	58	38.42	24.22
47	Wright-Patterson AFB	46.06	34.29	51.12	72.32	74.09
48	Charlotte/Douglas IAP AGS	46.03	64.45	31.32	13.38	81.48

Bomber

Rank	Base	Bomber	Current / Future Mission	Condition of Infrastructure	Contingency, Mobilization, Future Forces	Cost of Ops / Manpower
49	Minot AFB	45.72	31.04	54.97	67.9	73.42
50	Cannon AFB	45.7	53.46	36.06	43.06	73.61
51	Dobbins ARB	44.89	53.32	39.07	24.63	67.58
52	Elmendorf AFB	44.49	32.65	50.14	84.41	8.86
53	Lackland AFB	44.03	41.87	40.27	60.98	78.33
54	McChord AFB	43.63	43.14	44.2	40.23	57.08
55	Martin State APT AGS	43.55	55.68	35.65	16.83	58.71
56	Forbes Field AGS	43.47	46.3	39.62	38.02	77.32
57	Key Field AGS	43.24	56.67	27.07	40.48	75.4
58	Vandenberg AFB	43.19	38.2	44.64	62.81	32.48
59	Phoenix Sky Harbor IAP AGS	41.64	56.6	26.51	28.91	68.42
60	Offutt AFB	41.43	40.26	39.61	46.36	73.2
61	Tulsa IAP AGS	41.3	52.04	31.42	22.9	81.03
62	Ewvra Sheppard AGS	41.26	54.12	29.44	23.11	73.39
63	Birmingham IAP AGS	41.19	53.21	26.47	37.65	77.96
64	Carswell ARS, NAS Fort Worth Joint Reserve	41.01	50.68	31.59	27.68	72.7
65	Andersen AFB	40.98	28.05	52.58	62.55	0
66	Fresno Air Terminal AGS	40.71	56.35	29.95	11.93	46.99
67	Laughlin AFB	40.64	43.85	29.09	62.97	84.09
68	Channel Islands AGS	40.56	46.53	36.99	32.3	23.21
69	Will Rogers World APT AGS	40.43	55.77	21.34	38.01	84.8
70	Keesler AFB	40.31	57.31	22.17	26.19	85.3
71	Harrisburg IAP AGS	39.87	44.67	39.41	12.19	69.5
72	Hickam AFB	39.79	29.71	48.33	60.32	1.12
73	Boise Air Terminal AGS	39.7	46.08	30.03	40.75	78.4
74	Reno-Tahoe IAP AGS	39.43	52.59	28.06	24.11	47.47
75	Grissom ARB	39.39	33.88	39.67	55.24	73.25
76	Atlantic City IAP AGS	39.38	48.73	29.29	37.74	41.33
77	Jackson IAP AGS	39.1	50.85	24.34	34.93	84.66
78	Tucson IAP AGS	38.53	46.72	29.26	30.82	72.7
79	Grand Forks AFB	38.48	30.2	39.12	63.79	79.09
80	Westover ARB	38.4	32.95	36.88	66.96	49.23
81	Vance AFB	38.35	55.09	20.38	23.57	87.75
82	McGee Tyson APT AGS	37.15	47.95	24.42	28.11	86.02
83	New Castle County Airport AGS	36.34	49.8	25.67	15.9	47.53
84	Salt Lake City IAP AGS	36.05	46.05	24.49	29.21	71.72
85	Lincoln MAP AGS	36	41.96	29.69	25.95	71.2
86	Randolph AFB	35.93	41	23.55	53.43	78.51
87	Pittsburgh IAP AGS	35.7	31.56	39.2	31.81	69.3

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Bomber

Rank	Base	Bomber	Current / Future Mission	Condition of Infrastructure	Contingency, Mobilization, Future Forces	Cost of Ops / Manpower
88	Fort Smith Regional APT AGS	35.67	44.09	24.25	31.14	88.84
89	NAS New Orleans ARS	35.59	44.81	27.56	17.2	72.63
90	Willow Grove ARS, NAS Willow Grove Joint Reserve	35.58	41.57	34.08	13.27	39.74
91	Nashville IAP AGS	35.06	40.91	25.95	35.03	78.64
92	Memphis IAP AGS	35.01	45.52	21.31	33.43	75.57
93	Arnold AFS	34.53	36.99	22.91	57.62	89.61
94	Rickenbacker IAP AGS	34.52	33.03	37.5	19.92	71.11
95	Selfridge ANGB	33.86	31.6	34.23	40.5	42.51
96	Scott AFB	33.83	40.51	24.91	35.09	53.95
97	Rosecrans Memorial APT AGS	33.71	40.09	22.68	38.2	81.65
98	Ellington Field AGS	33.67	36.97	22.9	56.27	61.2
99	Portland IAP AGS	33.4	42.65	20.87	36.22	60.13
100	Pittsburgh IAP ARS	32.61	31.56	31.58	32.36	69.59
101	Yeager APT AGS	31.91	39.61	21.58	27.03	81.12
102	Bangor IAP AGS	31.45	29.03	28.42	47.2	63.61
103	Klamath Falls IAP AGS	31.24	35.89	25.85	22.71	69.01
104	Moffett Federal Field AGS	31.14	40	26.93	11.68	15.79
105	Sioux Gateway APT AGS	31	34.88	22.65	35.58	79.98
106	Hancock Field AGS	30.97	30.67	24.52	50.23	66.32
107	Capital APT AGS	30.83	36.13	24.12	27.74	57.09
108	Peterson AFB	30.31	39	17.26	36.55	61.91
109	Buckley AFB	30.16	36.49	16.11	53.35	53.78
110	Lambert - St. Louis IAP AGS	29.78	30.67	30.76	14.14	59.7
111	Burlington IAP AGS	29.72	36.12	21.97	25.52	57.07
112	Barnes MPT AGS	29.69	33.02	24.81	30.19	47.17
113	Stewart IAP AGS	29.57	36.84	21.05	37.85	3.65
114	Luis Munoz Marin IAP AGS	29.31	38.4	24.6	10.87	14.06
115	Toledo Express APT AGS	28.79	31.04	20.86	40.29	72.76
116	Hulman Regional APT AGS	28.72	33.66	23.13	15.84	82.24
117	Greater Peoria Regional APT AGS	28.26	34.06	19.13	32.89	54.24
118	Otis AGB	28.25	23.68	25.82	55.91	42.04
119	Pease International Trade Port AGS	27.84	33	19.58	36.8	33.8
120	W. K. Kellogg APT AGS	27.47	27.89	21.72	40.73	62.57
121	Bradley IAP AGS	27.43	32.69	23.2	16.75	43.06

Bomber

Rank	Base	Bomber	Current / Future Mission	Condition of Infrastructure	Contingency, Mobilization, Future Forces	Cost of Ops / Manpower
122	Joe Foss Field AGS	27.41	30.59	18.56	36.91	77.92
123	Schenectady County APT AGS	27.35	35.02	16.72	27.95	60.05
124	Springfield-Beckley MPT AGS	27.16	29.66	21.8	26.8	71.74
125	Gen Mitchell IAP ARS	26.84	30.56	20.23	28.83	59.94
126	Des Moines IAP AGS	26.79	32.12	18.7	23.34	76.75
127	Dane County Regional - Truax Field AGS	26.74	30.39	22.59	18.5	61.55
128	Kulis AGS	26.28	36.53	19.38	12.36	8.01
129	Louisville IAP AGS	25.96	34.56	13.33	25.76	78.1
130	Gen Mitchell IAP AGS	25.93	30.56	17.44	31.48	59.38
131	Hector IAP AGS	25.57	29.32	19.22	22.75	72.6
132	Great Falls IAP AGS	25.48	28.14	17.92	35.35	62.23
133	F. S. Gabreski APT AGS	25.28	31.8	20.01	16.07	29.52
134	Cheyenne APT AGS	25.2	32.14	11.54	39.11	68.7
135	Fort Wayne IAP AGS	25.12	31.09	17.21	16.99	79.17
136	Niagara Falls IAP ARS	25.07	25.77	19.09	39.09	55.66
137	Youngstown-Warren Regional APT ARS	24.84	27.24	17.68	31.21	73.97
138	Quonset State APT AGS	24.32	28.94	16.98	29.47	40.59
139	Duluth IAP AGS	23.75	26.13	16.76	31.03	66.75
140	Hanscom AFB	23.06	30.8	17.34	10.54	25.42
141	Minn/St Paul IAP ARS	22.84	20.07	21.91	33.25	47.69
142	Mansfield Lahm MAP AGS	22.42	27.42	14.02	21.36	74.01
143	Goodfellow AFB	7.74	0	4.9	36.4	82.66
144	Brooks City-Base	7.61	0	4.9	36.4	77.48
145	Malmstrom AFB	7.24	0	4.9	36.4	62.67
146	Francis E. Warren AFB	6.53	0	4.9	27.41	70.53
147	Schriever AFB	6.15	0	4.9	27.31	55.46
148	Rome Laboratory	5.29	0	4.9	16.8	63.1
149	Air Reserve Personnel Center (ARPC)	5.06	0	4.9	16.8	53.84
150	United States Air Force Academy	4.96	0	4.9	13.92	61.68
151	Cheyenne Mountain AFS	4.61	0	4.9	11.89	55.61
152	Bolling AFB	3.96	0	4.9	9.07	40.62
153	Onizuka AFS	3.46	0	4.9	10.08	16.85
154	Los Angeles AFB	2.82	0	4.9	1.94	23.81

Air Force
Installation Capacity Summary

The installation capacity summary is a consolidation of data provided by the Air Force MAJCOM through a series of presentations in August of 2004. The goal of the summary was to capture and visually display the MAJCOM presented information for reference in a smaller, consolidated format.

Below are descriptions of the associated columns used in the spreadsheet:

1. **MDS** : Mission Design Series represents aircraft operating at the listed installation

2. **Blk / Model**: Reflects, where necessary, the specific Block of a given MDS operating at the location

3. **PAA Used**: Primary Aircraft Authorization identifies the optimal number aircraft per MDS for a squadron based on the Air Force's White Paper on Organizational Principles

4. **Total Acft #**: The total number of aircraft at the location (per MDS) based on MAJCOM Capacity briefings Aug 2004

5. **Squadron Equivalent In Place**: The number of equivalent squadrons at an installation determined by dividing the Total Aircraft by the PAA Used

6. **Squadron 1 thru 6**: X signifies a squadron currently (2006) in place. A shaded box represents a partial squadron (less than 1) than cannot be expanded. A box with a dollar value represents the ability to add a full squadron at that cost (in $Millions). ** MAJCOMs were directed to provided estimates for adding up to 2 squadrons at installations.

7. **Total Capacity**: Is the total "Theoretical" capacity based on current aircraft capacity in squadrons as well as capacity that could be available (at a cost) up to 2 additional squadrons.

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Installation Sort

MAJCOM	Installation	MDS	PAA Used	Total Acft #	Sqdn Equiv In Place	Sqdn 1	Sqdn 2	Sqdn 3	Sqdn 4	Sqdn 5	Sqdn 6	Total Capacity (Squadrons)
AETC	Altus	C-17	12	15	1.3	X	$33.0	$67.3				3
AETC	Altus	KC-135	16	24	1.5	X						1.5
PACAF	Andersen	B-52	12	0	0.0							0
PACAF	Andersen	RQ-4	18	0	0.0							0
AMC	Andrews	C-21	12	13	1.1	X						1.1
ANG	Andrews	C-38/C-40	6	6	1.0	X						1
ANG	Andrews	F-16	24	15	0.6	$8.0						1
AFRC	Andrews	KC-135	16	8	0.5							0.5
AMC	Andrews	SAM/VC-25	8	18	2.3	X	X					2.3
AMC	Andrews	UH-1	6	15	2.5	X	X					2.5
ARMY	Andrews	VARIOUS	6	6	1.0	X						1
NAVY	Andrews	VARIOUS	24	30	1.3	X						1.3
OTHER	Andrews	VARIOUS	8	46	5.8	X	X	X	X	X		5.8
AFMC	Arnold	C-130	16	0	0.0	$192.1	$64.7					2
ANG	Atlantic City	F-16	24	15	0.6	$0.0	$42.8					2
ANG	Baltimore	A-10	24	15	0.6	$0.0						1
ANG	Baltimore	C-130	16	8	0.5	$0.0						1
ANG	Bangor, ME	KC-135	16	8	0.5	$27.6						1
AFRC	Barksdale	A-10	24	17	0.7	$3.3	$34.4					2
AFRC	Barksdale	B-52	12	8	0.7							0.7
ACC	Barksdale	B-52	12	41	3.4	X	X	X	X	$37.0	$81.8	6

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MAJCOM	Installation	MDS	PAA Used	Total Acft #	Sqdn Equiv In Place	Sqdn 1	Sqdn 2	Sqdn 3	Sqdn 4	Sqdn 5	Sqdn 6	Total Capacity (Squadrons)
ANG	Barnes, MA	A-10	24	15	0.6	$0.0	$40.7					2
AFRC	Beale	KC-135	16	8	0.5	$22.6						1
ACC	Beale	RQ-4	18	51	2.8	X	X	$0.0	$54.3	$81.2		5
ACC	Beale	T-38	24	13	0.5							0.5
ACC	Beale	U-2	18	34	1.9	X						1.9
ANG	Birmingham	KC-135	16	8	0.5	$22.8						1
ANG	Boise	A-10	24	15	0.6	$0.0	$19.8	$22.4				3
ANG	Boise	C-130	16	4	0.3	$15.2	$26.9					2
ANG	Bradley	A-10	24	15	0.6	$0.0	$47.2					2
ANG	Buckley	F-16	24	15	0.6	$0.0						1
ANG	Burlington, VT	F-16	24	15	0.6	$0.0						1
ACC	Cannon	F-16	24	69	2.9	X	X	$0.0	$18.0	$36.1		5
ACC	Cannon (FMS)	F-16	24	10	0.4							0.4
ANG	Capital, IL	F-16	24	15	0.6	$0.0						1
ANG	Channel Islands	C-130	16	12	0.8	$0.0						1
AMC	Charleston	C-17	12	48	4.0	X	X	X				4
ANG	Charlotte, NC	C-130	16	8	0.5	$0.0						1
ANG	Cheyenne, WY	C-130	16	8	0.5	$15.3						1
ANG	Dannelly	F-16	24	15	0.6	$0.0						1
ACC	Davis Monthan	A-10	24	75	3.1	X	X	X	$32.5	$32.8		5
ACC	Davis Monthan	EC-130	7	10	1.4	X						1.4

MAJCOM	Installation	MDS	PAA Used	Total Acft #	Sqdn Equiv In Place	Sqdn 1	Sqdn 2	Sqdn 3	Sqdn 4	Sqdn 5	Sqdn 6	Total Capacity (Squadrons)
ACC	Davis Monthan	HC-130	7	4	0.6							0.6
AFRC	Davis Monthan	HH-60	7	31	4.4	X	X	X	X	$0.0	$13.5	6.4
ACC	Davis Monthan	VARIOUS	14	14	1.0	X						1
ANG	Des Moines	F-16	24	15	0.6	$0.0						1
AFRC	Dobbins	C-130	16	9	0.6	$6.8						1
ARMY	Dobbins	VARIOUS	21	21	1.0	X						1
AMC	Dover	C-17	12	12	1.0	X	$169.2					2
AMC	Dover	C-5	12	16	1.3	X						1.3
ANG	Duluth, MN	F-16	24	15	0.6	$0.0						1
ACC	Dyess	B-1	12	35	2.9	X	X	$0.0	$63.4	$98.3		5
AMC	Dyess	C-130	16	28	1.8	X						1.8
AFMC	Edwards	VARIOUS	24	44	1.8	X	$0.0	$30.5	$18.2			4
ACC	Eglin	F-15	24	54	2.3	X	X	$17.2	$56.5			4
AFMC	Eglin	F-15	24	22	0.9	$0.0	$17.3	$66.7				3
AFRC	Eglin	MC-130	7	14	2.0	X	$4.2	$48.6				3
AFRC	Eglin	MC-130	7	9	1.3	X						1.3
AFMC	Eglin	VARIOUS	24	0	0.0							0
ANG	Eielson	KC-135	16	8	0.5							0.5
PACAF	Eielson	A-10	24	18	0.8	$0.0	$113.1					2
PACAF	Eielson	F-16	24	18	0.8	$67.9	$306.1	$398.6				3
ANG	Ellington Field, TX	F-16	24	15	0.6	$0.0						1

MAJCOM	Installation	MDS	PAA Used	Total Acft #	Sqdn Equiv In Place	Sqdn 1	Sqdn 2	Sqdn 3	Sqdn 4	Sqdn 5	Sqdn 6	Total Capacity (Squadrons)
ACC	Ellsworth	B-1	12	29	2.4	X	X	$16.4	$63.1			4
PACAF	Elmendorf	C-12	12	3	0.3							0.3
PACAF	Elmendorf	C-17	12	8	0.7	$8.1						1
PACAF	Elmendorf	E-3	6	2	0.3							0.3
PACAF	Elmendorf	F-15	24	42	1.8	X	$0.0	$186.0	$237.6			4
PACAF	Elmendorf	F-15	24	18	0.8							0.8
ANG	Fairchild	KC-135	16	9	0.6	$15.8						1
AMC	Fairchild	KC-135	16	38	2.4	$12.1	$10.5	$30.8				3
AETC	Fairchild	UH-1	6	3	0.5							0.5
ANG	Forbes Field, KS	KC-135	16	8	0.5	$6.6	$46.0					2
ANG	Fort Smith	F-16	24	15	0.6	$0.0						1
ANG	Fort Wayne, IN	F-16	24	15	0.6	$0.0						1
ANG	Fort Worth	C-130	16	8	0.5	$11.7						1
AFRC	Fort Worth	F-16	24	17	0.7	$12.1						1
ANG	Fresno	F-16	24	15	0.6	$0.0						1
ANG	Gabreski, NY	HC-130	7	4	0.6	$0.2						1
ANG	Gabreski, NY	HH-60	7	5	0.7	$0.0						1
AFRC	Gen Mitchell	C-130	16	9	0.6	$5.6						1
AMC	Grand Forks	KC-135	16	36	2.3	X	X					2.3
ANG	Great Falls, MT	F-16	24	15	0.6	$0.0						1
AFRC	Grissom	KC-135	16	16	1.0	X	$26.7					2

MAJCOM	Installation	MDS	PAA Used	Total Acft #	Sqdn Equiv In Place	Sqdn 1	Sqdn 2	Sqdn 3	Sqdn 4	Sqdn 5	Sqdn 6	Total Capacity (Squadrons)
ANG	Hancock, NY	F-16	24	15	0.6	$0.0						1
ANG	Harrisburg, PA	EC-130	16	6	0.4							0.4
ANG	Hector, ND	F-16	24	15	0.6	$0.0						1
ANG	Hickam	F-15	24	15	0.6	$0.0						1
ANG	Hickam	KC-135	16	8	0.5							0.5
PACAF	Hickam	C-17	12	8	0.7	$11.1	$154.8	$164.7				3
PACAF	Hickam	C-37/C-40	2	2	1.0	X						1
AFRC	Hill	F-16	24	17	0.7	$1.6	$30.1					2
AFMC	Hill	F-16	24	4	0.2	$74.7	$96.2					2
ACC	Hill	F-16	24	76	3.2	X	X	X	$68.1	$67.6		5
ACC	Holloman	F-117	24	51	2.1	X	X	$25.9	$55.6			4
ACC	Holloman	MQ1/9	32	24	0.8							0.8
ACC	Holloman	QF-4	24	20	0.8							0.8
ACC	Holloman	T-38	24	14	0.6							0.6
ACC	Holloman	Tornado	24	42	1.8	X						1.8
AFRC	Homestead	F-16	24	17	0.7	$4.6	$21.2					2
ANG	Hulman	F-16	24	15	0.6	$0.0						1
AFSOC	Hurlburt	AC-130	7	33	4.7	X	X	X	X	$49.9	$33.8	6
AFSOC	Hurlburt	MH-53	7	17	2.4	X	X					2.4
AFSOC	Hurlburt	VARIOUS	5	5	1.0	X						1
ACC	Indian Sprs AS	MQ1/9	32	100	3.1	X	X	X	$39.0	$41.3		5

MAJCOM	Installation	MDS	PAA Used	Total Acft #	Sqdn Equiv In Place	Sqdn 1	Sqdn 2	Sqdn 3	Sqdn 4	Sqdn 5	Sqdn 6	Total Capacity (Squadrons)
ANG	Jackson	C-17	12	8	0.7	$4.9						1
ANG	Jacksonville	F-15	24	15	0.6	$0.0						1
ANG	Joe Foss Field	F-16	24	15	0.6	$0.4	$29.8					2
AFRC	Keesler	C-130	16	18	1.1	X						1.3
ANG	Key Field	KC-135	16	9	0.6	$11.0						1
AETC	Kirtland	CV-22	7	6	0.9	$0.0	$14.8	$89.0				3
ANG	Kirtland	F-16	24	15	0.6	$0.0						1
AETC	Kirtland	HC-130	16	12	0.8							0.8
AETC	Kirtland	HH-60	7	13	1.9	X						1.9
ANG	Klamath Falls	F-15	24	15	0.6	$0.0	$59.6					2
ANG	Kulis, AK	C-130	16	8	0.5							0.5
ANG	Kulis, AK	HC-130	7	3	0.4							0.4
ANG	Kulis, AK	HH-60	7	5	0.7							0.7
AFRC	Lackland	C-5	12	16	1.3	X	$76.8					2
ANG	Lackland (Kelly Field)	F-16	24	18	0.8	$0.0	$44.8					2
ANG	Lambert, MO	F-15	24	15	0.6	$0.0						1
ACC	Langley	F-22	24	75	3.1	X	X	X	$38.6	$65.9		5
ANG	Lincoln, NE	KC-135	16	8	0.5							0.5
ANG	Little Rock	C-130	16	8	0.5							0.5
AETC	Little Rock	C-130	16	69	4.3	X	X	X	X			6.8
ANG	Louisville, KY	C-130	16	8	0.5	$0.0						1

MAJCOM	Installation	MDS	PAA Used	Total Acft #	Sqdn Equiv In Place	Sqdn 1	Sqdn 2	Sqdn 3	Sqdn 4	Sqdn 5	Sqdn 6	Total Capacity (Squadrons)
AFRC	Luke	F-16	24	17	0.7	$4.6						1
AETC	Luke	F-16	24	163	6.8	X	X	X	X	X	X	6.8
AETC	Luke (FMS)	F-16	24	23	1.0	X						1
AMC	MacDill	KC-135	16	33	2.1	X	$28.4	$105.9				3
NOAA	MacDill	VARIOUS	13	13	1.0	X						2
ANG	Madison, WI	F-16	24	15	0.6	$0.0						1
ANG	Mansfield, OH	C-130	16	8	0.5							0.5
AFRC	March	C-17	12	8	0.7	$14.7	$72.6					2
ANG	March	KC-135	16	9	0.6							0.6
AFRC	March	KC-135	16	8	0.5	$7.6						1
ANG	Martinsburg, WV	C-5	12	10	0.8	$4.8						1
AFRC	Maxwell	C-130	16	9	0.6							0.6
AMC	McChord	C-17	12	42	3.5	X	X	X	$208.0	$263.8		5
ANG	McConnell	KC-135	16	9	0.6	$0.0						1
AMC	McConnell	KC-135	16	58	3.6	X	X	X				3.6
ANG	McEntire, SC	F-16	24	15	0.6	$0.3	$53.6					2
ANG	McGhee Tyson, TN	KC-135	16	8	0.5	$32.7						1
AMC	McGuire	C-17	12	12	1.0	X						1
AMC	McGuire	KC-10	12	30	2.5	X	X	$132.4	$223.4			4
ANG	McGuire	KC-135	16	16	1.0	X						1
ANG	Memphis, TN	C-5	12	8	0.7	$4.4						1

MAJCOM	Installation	MDS	PAA Used	Total Acft #	Sqdn Equiv In Place	Sqdn 1	Sqdn 2	Sqdn 3	Sqdn 4	Sqdn 5	Sqdn 6	Total Capacity (Squadrons)
ANG	Milwaukee, WI	KC-135	16	9	0.6	$45.1						1
AFRC	Minneapolis	C-130	16	16	1.0	X						1
ANG	Minneapolis- St. Paul, MN	C-130	16	8	0.5							0.5
ACC	Minot	B-52	12	35	2.9	X	X	$0.0	$67.2	$114.6		5
ACC	Minot	UH-1	6	6	1.0	X						1
ANG	Moffett	HH-60	7	5	0.7	$0.0						1
ANG	Moffett	MC-130	7	4	0.6	$0.0						1
AFSOC	Moody	HC-130	7	12	1.7	X	X	$13.4	$23.3			4
AFSOC	Moody	HH-60	7	16	2.3	X	X					2.3
AFSOC	Moody	T-38	24	55	2.3	X	X					2.3
AFSOC	Moody	T-6A	24	39	1.6	X						1.6
ACC	Mt Home	F-15	24	49	2.0	X	X	$24.8	$33.3			4
ACC	Mt Home	F-16	24	22	0.9							0.9
ANG	Nashville, TN	C-130	16	8	0.5	$0.0						1
ACC	Nellis	A-10	24	10	0.4							0.4
ACC	Nellis	F-15	24	32	1.3	X	$88.4	$89.0				3
ACC	Nellis	F-16	24	53	2.2	X	X					2.2
ACC	Nellis	F-22	24	17	0.7							0.7
AFSOC	Nellis	HH-60	7	16	2.3	X	X					2.3
ACC	Nellis	JSF	24	14	0.6							0.6
ANG	New Castle	C-130	16	8	0.5	$28.6						1

MAJCOM	Installation	MDS	PAA Used	Total Acft #	Sqdn Equiv In Place	Sqdn 1	Sqdn 2	Sqdn 3	Sqdn 4	Sqdn 5	Sqdn 6	Total Capacity (Squadrons)
AFRC	New Orleans	A-10	24	17	0.7	$32.9						1
ANG	New Orleans	F-15	24	15	0.6	$0.0						1
AFRC	Niagara	C-130	16	11	0.7	$20.5						1
ANG	Niagara	KC-135	16	8	0.5							0.5
ACC	Offutt	E-4	5	4	0.8							0.8
ACC	Offutt	E-6	6	2	0.3							0.8
ACC	Offutt	RC-135	5	17	3.4	X	X	X	$56.6			4
ANG	Otis ANG	F-15	24	15	0.6	$0.5						1
AFRC	Patrick	HC-130	7	5	0.7	$3.7						1
AFRC	Patrick	HH-60	7	9	1.3	X						1.1
AFRC	Patrick	VARIOUS	8	8	1.0	X						1
ANG	Pease, NH	KC-135	16	9	0.6	$17.7						1
ANG	Peoria	C-130	16	8	0.5	$43.1						1
AFRC	Peterson	C-130	16	12	0.8							0.8
AMC	Peterson	C-21	12	10	0.8							0.8
AFSPC	Peterson	VARIOUS	13	13	1.0	X						1
ANG	Phoenix	KC-135	16	8	0.5							0.5
AFRC	Pittsburgh	C-130	16	9	0.6							0.6
ANG	Pittsburgh	KC-135	16	16	1.0	X						1
AMC	Pope	A-10	24	36	1.5	X						1.5
AMC	Pope	C-130	16	28	1.8	X	$0.0	$72.9	$125.4			4

MAJCOM	Installation	MDS	PAA Used	Total Acft #	Sqdn Equiv in Place	Sqdn 1	Sqdn 2	Sqdn 3	Sqdn 4	Sqdn 5	Sqdn 6	Total Capacity (Squadrons)
AMC	Pope	VARIOUS	11	11	1.0	X						1
ANG	Portland	F-15	24	15	0.6	$0.0						1
AFRC	Portland	KC-135	16	8	0.5							0.5
ANG	Quonset, RI	C-130	16	8	0.5	$29.4						1
ANG	Reno, NV	C-130	16	8	0.5							0.5
ANG	Richmond, VA	F-16	24	15	0.6	$0.0						1
ANG	Rickenbacker AGS, OH	KC-135	16	18	1.1	X						1.1
ANG	Robins	E-8	16	14	0.9	$0.0						1
AMC	Robins	KC-135	16	12	0.8							0.8
ANG	Rosecrans, MO	C-130	16	8	0.5							0.5
ANG	Salt Lake City, UT	KC-135	16	8	0.5	$46.9						1
ANG	San Juan	C-130	16	8	0.5							0.5
ANG	Savannah	C-130	16	8	0.5	$11.3						1
ANG	Schenectady	C-130	16	14	0.9							0.9
AMC	Scott	C-21	12	14	1.2	X	$29.2					2
AFRC	Scott	C-9	6	6	1.0	X						1
ANG	Scott	KC-135	16	8	0.5							0.5
ANG	Selfridge	C-130	16	8	0.5	$21.8	$26.3					2
ANG	Selfridge	F-16	24	15	0.6	$0.0						1
AFRC	Selfridge	KC-135	16	8	0.5	$9.3						1
ACC	Seymour Johnson	F-15	24	96	4.0	X	X	X	X	$63.5	$76.0	6

MAJCOM	Installation	MDS	PAA Used	Total Acft #	Sqdn Equiv in Place	Sqdn 1	Sqdn 2	Sqdn 3	Sqdn 4	Sqdn 5	Sqdn 6	Total Capacity (Squadrons)
AFRC	Seymour Johnson	KC-135	16	8	0.5	$9.6						1
ACC	Shaw	F-16	24	78	3.3	X	X	X	$7.1	$18.4		5
ANG	Sioux City	KC-135	16	8	0.5							0.5
ANG	Springfield, OH	F-16	24	18	0.8	$0.0	$46.3					2
ANG	Stewart, NY	C-5	12	12	1.0	X						1
ACC	Tinker	E-3	6	24	4.0	X	X	X	X			4
OTHER	Tinker	E-6	6	18	3.0	X	X	X				3
AFRC	Tinker	KC-135	16	8	0.5							0.5
ANG	Toledo, OH	F-16	24	15	0.6	$0.0						1
AMC	Travis	C-17	12	12	1.0	X						1
AMC	Travis	C-5	12	16	1.3	X						1.3
AMC	Travis	E-6	6	2	0.3							0.3
AMC	Travis	HC-130	7	4	0.6							0.6
AMC	Travis	KC-10	12	24	2.0	X	X	$123.9	$204.2			4
ANG	Tucson	F-16	24	62	2.6	X	X					2.6
ANG	Tulsa, OK	F-16	24	15	0.6	$0.0						1
AETC	Tyndall	F-15	24	61	2.5	X	X					2.5
AETC	Tyndall	F-22	24	50	2.1	X	X	$198.3	$30.6			4
ANG	W.K. Kellogg, MI	A-10	24	15	0.6	$0.0	$44.4					2
AFRC	Westover	C-5	12	16	1.3	X	$173.6					2
AFRC	Whiteman	A-10	24	17	0.7	$6.4						1

MAJCOM	Installation	MDS	PAA Used	Total Acft #	Sqdn Equiv In Place	Sqdn 1	Sqdn 2	Sqdn 3	Sqdn 4	Sqdn 5	Sqdn 6	Total Capacity (Squadrons)
ANG	Whiteman	AH-64	7	7	1.0	X						1
ACC	Whiteman	B-2	8	20	2.5	X	X					2.5
ANG	Whiteman	OH-58	7	10	1.4	X						1.4
ACC	Whiteman	T-38	24	14	0.6							0.6
ANG	Will Rogers, OK	C-130	16	8	0.5	$31.0						1
ANG	Willow Grove	A-10	24	15	0.6	$0.0						1
AFRC	Willow Grove	C-130	16	8	0.5	$55.3						1
AFMC	Wright Patt	C-17	12	0	0.0	$246.6						1
AMC	Wright Patt	C-21	12	13	1.1	X						1.1
AFRC	Wright Patt	C-5	12	11	0.9	$5.0						1
ANG	Yeager, WV	C-130	16	8	0.5							0.5
AFRC	Youngstown	C-130	16	12	0.8	$0.4						1

DCN: 11868

Beauchamp, Arthur, CIV, WSO-BRAC

From: Small, Kenneth, CIV, WSO-BRAC
Sent: Saturday, August 13, 2005 4:52 PM
To: Beauchamp, Arthur, CIV, WSO-BRAC; Breitschopf, Justin, CIV, WSO-BRAC; Combs, David, CIV, WSO-BRAC; Cruz, Tanya, CIV, WSO-BRAC; Flinn, Michael, CIV, WSO-BRAC; Hall, Craig, CIV, WSO-BRAC; MacGregor, Timothy, CIV, WSO-BRAC
Cc: Gingrich, Karl, CIV, WSO-BRAC; Cirillo, Frank, CIV, WSO-BRAC
Subject: FW: BI-0194, CT-0820

Attachments: 8-6-05 COBRA Req.doc; USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR; USAF 0018v3 (200.3) 1Close Ellsworth (C-130s stay at Dyess) DBCRC Site Survey.pdf; COBRA USAF 0056v2 Eielson Site Survey.pdf; COBRA USAF 0056V2 (137.3c1) Eielson DBCRC Site Survey.CBR; USAF 0089V3 (704.4) Kulis ONLY DBCRC Site Survey.CBR; COBRA USAF 0089v3 Kulis Site Survey.pdf; USAF 0089V3 (704.4) Kulis DBCRC Site Survey.CBR; COBRA USAF 0089v3 Kulis Only.pdf; USAF 0130 (324) Close Gen Mitchell DBCRC Site Survey.pdf; COBRA USAF 0130 (324) General Mitchell DBCRC Site Survey.CBR; USAF 0066v2 Mansfield Site Survey.pdf; COBRA USAF 0066V2 (319.1) Mansfield DBCRC Site Survey.CBR; USAF 0121v4 (318.3c20 Close Niagara Falls ARS DBCRC Site Summary.pdf; USAF 0121v4 (318.3c2) Niagara Falls DBCRC Site Survey.CBR; USAF 0122V3 (316.3) Realign Pope DBCRC Site Survey.pdf; USAF 0122V3 (316.3) Realign Pope DBCRC Site Survey.CBR; Deltas.pdf; Pope (9 Aug 05) S316.3 S324.xls; COBRA USAF 0067v2 Schenectady Site Survey.pdf; COBRA USAF 0067V2 (320c2)Schenecktady DBCRC Site Survey.CBR

Updated COBRA's that should reflect the deltas in Milcon and other items identified during site surveys. Take a look at your bases and see if there are changes. Note that these COBRAs contain the MIL PERS per guidance of OSD.

Ken

From: Johansen David L LtCol SAF/IEB
Sent: Saturday, August 13, 2005 1:38 PM
To: RSS dd - WSO BRAC Clearinghouse
Cc: BRAC Inquiry Workflow; Cook Jeannette J Civ SAF/IEBB; Scovel Stephen GS-14 AFCAA
Subject: BI-0194, CT-0820

Clearing house, this is in partial answer to CT-0820...would appreciate that you expedite these files to the commission. Please keep the tasker open, there will be more answers coming on this multipart question.

VR, Dave
David L. Johansen, Lt Col, USAF
Chief, Base Realignment & Closure Div
DSN: 222-9510 Comm: (703) 692-9510

-----Original Message-----
From: Scovel Stephen GS-14 AFCAA
Sent: Saturday, August 13, 2005 10:20 AM
To: Johansen David L LtCol SAF/IEB; Laffey Thomas M LtCol SAF/IEBJ; Cork Herbert LtCol SAF/IEBB; Callaghan Michael Ctr SAF/IEBB
Cc: Freund Paul G Ctr SAF/IEIT; Lebo William GS-14 AFCAA; Novitski Ramona GS-14 AFCAA
Subject: BI-0194

8-6-05 COBRA Req.doc (26 KB) | USAF 0018V3 (200.3) Ellsworth ... | USAF 0018v3 (200.3) 1Close Ell... | COBRA USAF 056v2 Eielson Site.. | COBRA USAF 056V2 (137.3c1) Ei.. | USAF 0089V3 704.4) Kulis ONLY.. | COBRA USAF 089v3 Kulis Site S..

DCN: 11868

13 Aug 2005

Inquiry Response

Re: BI-0194 (CT-0820)

Requester: Commission R&A Staff (Ken Small)

Question: Air Force - 28 Key Field Mississippi. Request COBRA run that includes movement of the KC-135 simulator to a location prefered by the Air Force. The current COBRA run does not include any consideration or disposition of the simulator. We are told that the simulator is one of four in the Air National Guard.

Reference Section and Page number of the OSD BRAC Recommendations (13 May 05), Vol I.

Air Force - 6 Eielson Air Force Base AK, Moody AFB GA, and Shaw Air Force Base SC

Air Force - 7 Kulis Air Guard Station, AK and Elmendorf Air Force Base AK

Air Force - 49 Langley Air Force Base VA

Multiple Actions - Little Rock Air Force Base AR

Air Force - 43 - Those activities that relate to Dyess Air Force Base
a. Move C-130s to Little Rock AFB
b. Receive B-1 from Ellsworth and retain C-130s at Dyess AFB

Shaw Air Force Base - Costs associated with Air Force actions and Army - 6 Fort Gillem GA (move of Hq, 3rd Army and other units to Shaw AFB)

McGuire Air Force Base - Costs/savings associated with all Air Force, Navy, and USMC moves to/from McQuire AFB

Answer:
Key Field Mississippi.

The flight simulator will cost approximately $1.5M to move to Scott AFB. We are still investigating the facility costs .

Eielson Air Force Base AK, Moody AFB GA, and Shaw Air Force Base SC

COBRA runs and report files are attached.

DCN: 11868

Kulis Air Guard Station, AK and Elmendorf Air Force Base AK.

COBRA runs and report files are attached.

Langley Air Force Base VA.

The specific page you cited references USAF 0106v2, Consolidation of F-15 Avionics (COBRA and report files attached). There are seven other Air Force recommendations and one joint recommendation which affect Langley: USAF 0113v3, 0112v2, 0089v3, 0056v2, 0121v4, 0105v2, 0102v2, and H&SA 0033. USAF 0056v2 (Eielson) is by far the largest, adding over 700 authorizations to Langley with the F-15 aircraft.

Multiple Actions - Little Rock Air Force Base AR

Updated COBRA and report files for Ellsworth (USAF 200), Niagara Falls (318), Mansfield-Lahm (319), Schenectady (320), and Gen Mitchell (324) are attached.

Air Force - 43 - Those activities that relate to Dyess Air Force Base

a. Move C-130s to Little Rock AFB

b. Receive B-1 from Ellsworth and retain C-130s at Dyess AFB

COBRA and report files attached.

Shaw Air Force Base - Costs associated with Air Force actions and Army - 6 Fort Gillem GA (move of Hq, 3rd Army and other units to Shaw AFB)

In work.

McGuire Air Force Base - Costs/savings associated with all Air Force, Navy, and USMC moves to/from McQuire AFB

In work.

Approved

//Signed//
DAVID L. JOHANSEN, Lt Col, USAF
Chief, Base Realignment and Closure Division

DCN: 11868

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2
Data As Of 8/13/2005 9:07:16 AM, Report Created 8/13/2005 9:08:28 AM

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

Starting Year : 2006
Final Year : 2009
Payback Year : 2010 (1 Year)

NPV in 2025($K): -2,089,842
1-Time Cost($K): 366,916

Net Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	20,565	228,502	0	0	0	0	249,067	0
Person	0	0	-54,726	-137,808	-137,808	-137,808	-468,150	-137,808
Overhd	-11,011	-7,559	-13,701	-32,519	-54,504	-54,504	-173,797	-56,662
Moving	0	8,552	21,692	0	0	0	30,244	0
Missio	0	0	0	0	0	0	0	0
Other	1,915	36,212	10,269	8,737	7,560	6,190	70,884	6,190
TOTAL	11,468	265,707	-36,465	-161,590	-184,751	-186,121	-291,752	-188,279

	2006	2007	2008	2009	2010	2011	Total
POSITIONS ELIMINATED							
Off	0	0	115	0	0	0	115
Enl	0	0	1,275	0	0	0	1,275
Civ	0	0	309	0	0	0	309
TOT	0	0	1,699	0	0	0	1,699
POSITIONS REALIGNED							
Off	0	0	214	0	0	0	214
Enl	0	0	1,704	0	0	0	1,704
Stu	0	0	7	0	0	0	7
Civ	0	0	129	0	0	0	129
TOT	0	0	2,054	0	0	0	2,054

Summary:

Per DBCRC request_____

Close Ellsworth AFB. The 28th Bomb Wing's 24 B-1B aircraft are distributed to the 7th Bomb Wing, Dyess AFB, Texas. (Dyess C-130 aircraft stay in place.)

DCN: 11868

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 2/2
Data As Of 8/13/2005 9:07:16 AM, Report Created 8/13/2005 9:08:29 AM

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	20,565	228,502	0	0	0	0	249,067	0
Person	0	0	20,737	7,644	7,644	7,644	43,670	7,644
Overhd	3,484	6,936	12,152	23,459	10,193	10,193	66,417	10,193
Moving	0	8,552	25,312	0	0	0	33,864	0
Missio	0	0	0	0	0	0	0	0
Other	1,915	36,212	10,269	8,737	7,560	6,190	70,884	6,190
TOTAL	25,964	280,202	68,471	39,840	25,398	24,028	463,902	24,028

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	0	75,464	145,452	145,452	145,452	511,821	145,452
Overhd	14,495	14,495	25,853	55,977	64,697	64,697	240,214	66,855
Moving	0	0	3,620	0	0	0	3,620	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	14,495	14,495	104,936	201,430	210,149	210,149	755,655	212,307

DCN: 11868

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10)
Data As Of 8/13/2005 9:07:16 AM, Report Created 8/13/2005 9:08:22 AM

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

Personnel

Base	Start*	Finish*	Change	%Change
Ellsworth AFB	3,753	0	-3,753	-100%
Dyess AFB	5,777	7,831	2,054	36%
TOTAL	9,530	7,831	-1,699	-18%

Square Footage

Base	Start	Finish	Change	%Change	Chg/Per
Ellsworth AFB	3,684,000	0	-3,684,000	-100%	982
Dyess AFB	2,676,000	3,672,549	996,549	37%	485
TOTAL	6,360,000	3,672,549	-2,687,451	-42%	1,582

Base Operations Support (2005$)

Base	Start*	Finish*	Change	%Change	Chg/Per
Ellsworth AFB	20,533,723	0	-20,533,723	-100%	5,471
Dyess AFB	25,171,731	31,041,039	5,869,308	23%	2,857
TOTAL	45,705,454	31,041,039	-14,664,415	-32%	8,631

Sustainment (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Ellsworth AFB	14,387,069	0	-14,387,069	-100%	3,833
Dyess AFB	14,329,624	16,594,798	2,265,174	16%	1,103
TOTAL	28,716,693	16,594,798	-12,121,895	-42%	7,135

Recapitalization (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Ellsworth AFB	14,495,219	0	-14,495,219	-100%	3,862
Dyess AFB	10,829,158	12,887,563	2,058,405	19%	1,002
TOTAL	25,324,377	12,887,563	-12,436,814	-49%	7,320

Sustain + Recap + BOS (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Ellsworth AFB	49,416,011	0	-49,416,011	-100%	13,167
Dyess AFB	50,330,514	60,523,401	10,192,887	20%	4,962
TOTAL	99,746,525	60,523,401	-39,223,123	-39%	23,086

Plant Replacement Value (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
Ellsworth AFB	1,753,921,464	0	-1,753,921,464	-100%	467,338
Dyess AFB	1,310,328,163	1,559,395,163	249,067,000	19%	121,259
TOTAL	3,064,249,627	1,559,395,163	-1,504,854,464	-49%	885,729

DCN: 11868

Data As Of 8/13/2005 9:07:16 AM, Report Created 8/13/2005 9:08:22 AM

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

* "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.

DCN: 11868

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 1/9
Data As Of 8/13/2005 9:07:16 AM, Report Created 8/13/2005 9:08:30 AM

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	20,565	228,502	0	0	0	0	249,067
O&M							
CIV SALARY							
Civ RIF	0	0	5,912	0	0	0	5,912
Civ Retire	0	0	420	0	0	0	420
CIV MOVING							
Per Diem	0	0	364	0	0	0	364
POV Miles	0	0	26	0	0	0	26
Home Purch	0	0	1,289	0	0	0	1,289
HHG	0	0	424	0	0	0	424
Misc	0	0	129	0	0	0	129
House Hunt	0	0	297	0	0	0	297
PPP	0	0	2,236	0	0	0	2,236
RITA	0	0	589	0	0	0	589
FREIGHT							
Packing	0	0	128	0	0	0	128
Freight	0	0	1,649	0	0	0	1,649
Vehicles	0	0	92	0	0	0	92
Unemployment	0	0	458	0	0	0	458
OTHER							
Info Tech	0	8,552	411	0	0	0	8,963
Prog Manage	3,484	2,613	1,959	1,470	0	0	9,525
Supt Contrac	0	0	0	11,133	0	0	11,133
Mothball	0	0	0	663	0	0	663
1-Time Move	0	0	11,776	0	0	0	11,776
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	470	0	0	0	470
POV Miles	0	0	383	0	0	0	383
HHG	0	0	3,130	0	0	0	3,130
Misc	0	0	1,918	0	0	0	1,918
OTHER							
Elim PCS	0	0	6,303	0	0	0	6,303
OTHER							
HAP / RSE	0	0	1,845	0	0	0	1,845
Environmental	1,915	196	0	0	0	0	2,111
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	36,016	5,682	2,546	1,370	0	45,614
TOTAL ONE-TIME	25,964	275,878	47,892	15,812	1,370	0	366,916

DCN: 11868

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 2/9
Data As Of 8/13/2005 9:07:16 AM, Report Created 8/13/2005 9:08:30 AM

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	2,265	2,265	2,265	2,265	2,265	11,326	2,265
Recap	0	2,058	2,058	2,058	2,058	2,058	10,292	2,058
BOS	0	0	5,869	5,869	5,869	5,869	23,477	5,869
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	2,742	6,190	6,190	6,190	21,314	6,190
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	7,644	7,644	7,644	7,644	30,577	7,644
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	4,323	20,579	24,028	24,028	24,028	96,986	24,028
TOTAL COST	25,964	280,202	68,471	39,840	25,398	24,028	463,902	24,028

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
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	3,620	0	0	0	3,620
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	3,620	0	0	0	3,620

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	8,719	17,439	17,439	43,597	17,439
O&M								
Sustainment	0	0	0	12,229	12,229	12,229	36,687	14,387
Recap	14,495	14,495	14,495	14,495	14,495	14,495	86,971	14,495
BOS	0	0	11,358	20,534	20,534	20,534	72,959	20,534
Civ Salary	0	0	10,273	20,547	20,547	20,547	71,914	20,547
MIL PERSONNEL								
Off Salary	0	0	7,186	14,372	14,372	14,372	50,301	14,372
Enl Salary	0	0	52,529	105,059	105,059	105,059	367,706	105,059
House Allow	0	0	5,475	5,475	5,475	5,475	21,900	5,475
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	14,495	14,495	101,317	201,430	210,149	210,149	752,035	212,307
TOTAL SAVINGS	14,495	14,495	104,936	201,430	210,149	210,149	755,655	212,307

DCN: 11868

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 3/9
Data As Of 8/13/2005 9:07:16 AM, Report Created 8/13/2005 9:08:30 AM

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	20,565	228,502	0	0	0	0	249,067
O&M							
Civ Retir/RIF	0	0	6,332	0	0	0	6,332
Civ Moving	0	0	7,224	0	0	0	7,224
Info Tech	0	8,552	411	0	0	0	8,963
Other	3,484	2,613	14,194	13,266	0	0	33,556
MIL PERSONNEL							
Mil Moving	0	0	8,585	0	0	0	8,585
OTHER							
HAP / RSE	0	0	1,845	0	0	0	1,845
Environmental	1,915	196	0	0	0	0	2,111
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	36,016	5,682	2,546	1,370	0	45,614
TOTAL ONE-TIME	25,964	275,878	44,272	15,812	1,370	0	361,186

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	-8,719	-17,439	-17,439	-43,597	-17,439
O&M								
Sustainment	0	2,265	2,265	-9,964	-9,964	-9,964	-25,361	-12,122
Recap	-14,495	-12,437	-12,437	-12,437	-12,437	-12,437	-76,679	-12,437
BOS	0	0	-5,488	-14,664	-14,664	-14,664	-49,482	-14,664
Civ Salary	0	0	-10,273	-20,547	-20,547	-20,547	-71,914	-20,547
TRICARE	0	0	2,742	6,190	6,190	6,190	21,314	6,190
MIL PERSONNEL								
Mil Salary	0	0	-59,715	-119,431	-119,431	-119,431	-418,007	-119,431
House Allow	0	0	2,169	2,169	2,169	2,169	8,677	2,169
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	-14,495	-10,172	-80,737	-177,402	-186,121	-186,121	-655,049	-188,279
TOTAL NET COST	11,468	265,707	-36,465	-161,590	-184,751	-186,121	-291,752	-188,279

DCN: 11868

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

Base: Ellsworth AFB, SD (FXBM)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	5,912	0	0	0	5,912
Civ Retire	0	0	420	0	0	0	420
CIV MOVING							
Per Diem	0	0	364	0	0	0	364
POV Miles	0	0	26	0	0	0	26
Home Purch	0	0	1,289	0	0	0	1,289
HHG	0	0	424	0	0	0	424
Misc	0	0	129	0	0	0	129
House Hunt	0	0	297	0	0	0	297
PPP	0	0	2,236	0	0	0	2,236
RITA	0	0	589	0	0	0	589
FREIGHT							
Packing	0	0	128	0	0	0	128
Freight	0	0	1,649	0	0	0	1,649
Vehicles	0	0	92	0	0	0	92
Unemployment	0	0	458	0	0	0	458
OTHER							
Info Tech	0	0	411	0	0	0	411
Prog Manage	3,484	2,613	1,959	1,470	0	0	9,525
Supt Contrac	0	0	0	11,133	0	0	11,133
Mothball	0	0	0	663	0	0	663
1-Time Move	0	0	11,776	0	0	0	11,776
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	470	0	0	0	470
POV Miles	0	0	383	0	0	0	383
HHG	0	0	3,130	0	0	0	3,130
Misc	0	0	1,918	0	0	0	1,918
OTHER							
Elim PCS	0	0	6,303	0	0	0	6,303
OTHER							
HAP / RSE	0	0	1,845	0	0	0	1,845
Environmental	1,150	0	0	0	0	0	1,150
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	577	0	0	577
TOTAL ONE-TIME	4,634	2,613	42,210	13,843	0	0	63,299

DCN: 11868

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

Base: Ellsworth AFB, SD (FXBM)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
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	3,448	3,448	3,448	10,345	3,448
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	3,448	3,448	3,448	10,345	3,448
TOTAL COSTS	4,634	2,613	42,210	17,291	3,448	3,448	73,645	3,448

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
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	3,620	0	0	0	3,620
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	3,620	0	0	0	3,620

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	8,719	17,439	17,439	43,597	17,439
O&M								
Sustainment	0	0	0	12,229	12,229	12,229	36,687	14,387
Recap	14,495	14,495	14,495	14,495	14,495	14,495	86,971	14,495
BOS	0	0	11,358	20,534	20,534	20,534	72,959	20,534
Civ Salary	0	0	10,273	20,547	20,547	20,547	71,914	20,547
MIL PERSONNEL								
Off Salary	0	0	7,186	14,372	14,372	14,372	50,301	14,372
Enl Salary	0	0	52,529	105,059	105,059	105,059	367,706	105,059
House Allow	0	0	5,475	5,475	5,475	5,475	21,900	5,475
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	14,495	14,495	101,317	201,430	210,149	210,149	752,035	212,307
TOTAL SAVINGS	14,495	14,495	104,936	201,430	210,149	210,149	755,655	212,307

DCN: 11868

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

Base: Ellsworth AFB, SD (FXBM)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	6,332	0	0	0	6,332
Civ Moving	0	0	7,224	0	0	0	7,224
Info Tech	0	0	411	0	0	0	411
Other	3,484	2,613	14,194	13,266	0	0	33,556
MIL PERSONNEL							
Mil Moving	0	0	8,585	0	0	0	8,585
OTHER							
HAP / RSE	0	0	1,845	0	0	0	1,845
Environmental	1,150	0	0	0	0	0	1,150
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	577	0	0	577
TOTAL ONE-TIME	4,634	2,613	38,590	13,843	0	0	59,680

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	-8,719	-17,439	-17,439	-43,597	-17,439
O&M								
Sustainment	0	0	0	-12,229	-12,229	-12,229	-36,687	-14,387
Recap	-14,495	-14,495	-14,495	-14,495	-14,495	-14,495	-86,971	-14,495
BOS	0	0	-11,358	-20,534	-20,534	-20,534	-72,959	-20,534
Civ Salary	0	0	-10,273	-20,547	-20,547	-20,547	-71,914	-20,547
TRICARE	0	0	0	3,448	3,448	3,448	10,345	3,448
MIL PERSONNEL								
Mil Salary	0	0	-59,715	-119,431	-119,431	-119,431	-418,007	-119,431
House Allow	0	0	-5,475	-5,475	-5,475	-5,475	-21,900	-5,475
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	-14,495	-14,495	-101,317	-197,981	-206,701	-206,701	-741,690	-208,859
TOTAL NET COST	-9,861	-11,882	-62,726	-184,138	-206,701	-206,701	-682,010	-208,859

DCN: 11868

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

Base: Dyess AFB, TX (FNWZ)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	20,565	228,502	0	0	0	0	249,067
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	8,552	0	0	0	0	8,552
Prog Manage	0	0	0	0	0	0	0
Supt Contrac	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	765	196	0	0	0	0	961
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	36,016	5,682	1,969	1,370	0	45,037
TOTAL ONE-TIME	21,330	273,266	5,682	1,969	1,370	0	303,617

DCN: 11868

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

Base: Dyess AFB, TX (FNWZ)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	2,265	2,265	2,265	2,265	2,265	11,326	2,265
Recap	0	2,058	2,058	2,058	2,058	2,058	10,292	2,058
BOS	0	0	5,869	5,869	5,869	5,869	23,477	5,869
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	2,742	2,742	2,742	2,742	10,968	2,742
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	7,644	7,644	7,644	7,644	30,577	7,644
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	4,323	20,579	20,579	20,579	20,579	86,641	20,579
TOTAL COSTS	21,330	277,589	26,261	22,548	21,949	20,579	390,258	20,579

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
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 -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
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	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission 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 SAVINGS	0	0	0	0	0	0	0	0

DCN: 11868

Data As Of 8/13/2005 9:07:16 AM, Report Created 8/13/2005 9:08:31 AM

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

Base: Dyess AFB, TX (FNWZ)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	20,565	228,502	0	0	0	0	249,067
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Info Tech	0	8,552	0	0	0	0	8,552
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	765	196	0	0	0	0	961
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	36,016	5,682	1,969	1,370	0	45,037
TOTAL ONE-TIME	21,330	273,266	5,682	1,969	1,370	0	303,617

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	2,265	2,265	2,265	2,265	2,265	11,326	2,265
Recap	0	2,058	2,058	2,058	2,058	2,058	10,292	2,058
BOS	0	0	5,869	5,869	5,869	5,869	23,477	5,869
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	2,742	2,742	2,742	2,742	10,968	2,742
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	7,644	7,644	7,644	7,644	30,577	7,644
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	4,323	20,579	20,579	20,579	20,579	86,641	20,579
TOTAL NET COST	21,330	277,589	26,261	22,548	21,949	20,579	390,258	20,579

DCN: 11868

COBRA ECONOMIC IMPACT REPORT (COBRA v6.10)
Data As Of 8/13/2005 9:07:16 AM, Report Created 8/13/2005 9:08:15 AM

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

Ellsworth AFB, SD (FXBM)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	0	0	0	0
Jobs Lost-Mil	0	0	3,308	0	0	0	3,308
NET CHANGE-Mil	0	0	-3,308	0	0	0	-3,308
Jobs Gained-Civ	0	0	0	0	0	0	0
Jobs Lost-Civ	0	0	438	0	0	0	438
NET CHANGE-Civ	0	0	-438	0	0	0	-438
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	0	7	0	0	0	7
NET CHANGE-Stu	0	0	-7	0	0	0	-7

Dyess AFB, TX (FNWZ)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	1,918	0	0	0	1,918
Jobs Lost-Mil	0	0	0	0	0	0	0
NET CHANGE-Mil	0	0	1,918	0	0	0	1,918
Jobs Gained-Civ	0	0	129	0	0	0	129
Jobs Lost-Civ	0	0	0	0	0	0	0
NET CHANGE-Civ	0	0	129	0	0	0	129
Jobs Gained-Stu	0	0	7	0	0	0	7
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	7	0	0	0	7

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COBRA INPUT DATA REPORT (COBRA v6.10)
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Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 2006
Model does Time-Phasing of Construction/Shutdown: No

Base Name, ST (Code)	Strategy:
Ellsworth AFB, SD (FXBM)	Closes in FY 2009
Dyess AFB, TX (FNWZ)	Realignment

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

Point A:	Point B:	Distance:
Ellsworth AFB, SD (FXBM)	Dyess AFB, TX (FNWZ)	998 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from Ellsworth AFB, SD (FXBM) to Dyess AFB, TX (FNWZ)

	2006	2007	2008	2009	2010	2011
Officer Positions:	0	0	214	0	0	0
Enlisted Positions:	0	0	1,704	0	0	0
Civilian Positions:	0	0	129	0	0	0
Student Positions:	0	0	7	0	0	0
NonVeh Missn Eqpt(tons):	0	0	671	0	0	0
Suppt Eqpt (tons):	0	0	1,342	0	0	0
Military Light Vehicles:	0	0	36	0	0	0
Heavy/Special Vehicles:	0	0	1	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: Ellsworth AFB, SD (FXBM)

Total Officer Employees:	329	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	3,017	Total Sustainment($K/Year):	20,504
Total Student Employees:	7	Sustain Payroll ($K/Year):	6,117
Total Civilian Employees:	399	BOS Non-Payroll ($K/Year):	20,531
Accomp Mil not Receiving BAH:	72.3%	BOS Payroll ($K/Year):	14,296
Officer Housing Units Avail:	0	Family Housing ($K/Year):	17,439
Enlisted Housing Units Avail:	0	Installation PRV($K):	1,753,921
Starting Facilities(KSF):	3,684	Svc/Agcy Recap Rate (Years):	121
Officer BAH ($/Month):	997	Homeowner Assistance Program:	Yes
Enlisted BAH ($/Month):	860		
Civ Locality Pay Factor:	1.109		
Area Cost Factor:	0.93		
Per Diem Rate ($/Day):	134		
Freight Cost ($/Ton/Mile):	0.22		
Vehicle Cost ($/Lift/Mile):	4.84		
Latitude:	44.144020		
Longitude:	-103.088423		

TRICARE	In-Pat Admits	Out-Pat Visits	Prescrip
CostFactor	5,370.68	164.37	15.28
Actv MTF	0	51,942	43,585
Actv Purch	777	7,152	
Retiree	0	14,035	42,164
Retiree65+	0	1,751	28,772

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COBRA INPUT DATA REPORT (COBRA v6.10) - Page 2
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Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: Dyess AFB, TX (FNWZ)

Total Officer Employees:	669	Base Service (for BOS/Sust):	Air Force
Total Enlisted Employees:	4,583	Total Sustainment($K/Year):	17,322
Total Student Employees:	3	Sustain Payroll ($K/Year):	2,992
Total Civilian Employees:	370	BOS Non-Payroll ($K/Year):	24,737
Accomp Mil not Receiving BAH:	31.8%	BOS Payroll ($K/Year):	13,099
Officer Housing Units Avail:	0	Family Housing ($K/Year):	6,624
Enlisted Housing Units Avail:	0	Installation PRV($K):	1,310,328
Starting Facilities(KSF):	2,676	Svc/Agcy Recap Rate (Years):	121
Officer BAH ($/Month):	964	Homeowner Assistance Program:	Yes
Enlisted BAH ($/Month):	708		
Civ Locality Pay Factor:	1.109		
Area Cost Factor:	0.97		
Per Diem Rate ($/Day):	86		
Freight Cost ($/Ton/Mile):	0.19		
Vehicle Cost ($/Lift/Mile):	4.84		
Latitude:	32.420399		
Longitude:	-99.841057		

TRICARE	In-Pat Admits	Out-Pat Visits	Prescrip
CostFactor	4,362.49	114.10	22.63
Actv MTF	0	56,921	81,663
Actv Purch	1,117	54,730	
Retiree	0	11,549	60,669
Retiree65+	0	857	58,534

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: Ellsworth AFB, SD (FXBM)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost ($K):	0	0	0	577	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	11,776	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	1,150	0	0	0	0	0
Activ Mission Cost ($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	11,133	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 ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	100%	0%	0%
Misn Milcon Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0

MTF Closure Action: Hospital Fac ShDn(KSF): 3,684 FH ShDn: 100.000%

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COBRA INPUT DATA REPORT (COBRA v6.10) - Page 3
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Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: Dyess AFB, TX (FNWZ)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost ($K):	0	36,016	5,682	1,969	1,370	0
1-Time Unique Save ($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($K):	765	196	0	0	0	0
Activ Mission Cost ($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 ($K):	0	8,552	0	0	0	0
Construction Schedule(%):	0%	100%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc($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: Ellsworth AFB, SD (FXBM)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	-115	0	0	0
Enl Scenario Change:	0	0	-1,275	0	0	0
Civ Scenario Change:	0	0	-309	0	0	0
Off Prog nonBRAC Change:	0	0	0	0	0	0
Enl Prog nonBRAC Change:	-38	0	0	0	0	0
Civ Prog nonBRAC Change:	39	0	0	0	0	0
Stu Prog nonBRAC Change:	0	0	0	0	0	0
Prog FH Privatization:	0%	0%	0%	0%	0%	0%

Name: Dyess AFB, TX (FNWZ)

	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:	8	12	0	0	0	0
Enl Prog nonBRAC Change:	78	33	0	0	0	0
Civ Prog nonBRAC Change:	25	1	-5	0	0	0
Stu Prog nonBRAC Change:	0	0	0	0	0	0
Prog FH Privatization:	29%	0%	3%	0%	0%	0%

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Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN SEVEN - BASE MILITARY CONSTRUCTION INFORMATION

Name: Dyess AFB, TX (FNWZ)

FAC	UM	New MilCon	Rehab MilCon	TotCost($K)	FPG Con CF	FPG Sust CF
1721	SF	31,956	0 Default	8,363	184.67	5.31
2111	SF	175,000	0 Default	55,510	196.52	2.03
2113	SF	24,215	0 Default	9,385	271.86	2.09
1164	SY	57	0 Default	8	94.44	0.90
1311	SF	400	0 Default	129	199.56	3.45
2171	SF	42,120	0 Default	8,918	147.68	2.62
2181	SF	73,680	0 Default	16,322	144.86	3.06
4111	BL	71,000	0 Default	5,458	53.01	3.37
4221	SF	48,560	0 Default	12,000	208.31	2.32
4421	SF	58,505	0 Default	6,832	75.98	2.06
1494	EA	1	0 Default	3,850	6,487.55	107.04
7220	SF	10,400	0 Default	3,556	244.13	5.41
7371	SF	15,488	0 Default	3,810	166.13	2.76
7417	SF	18,861	0 Default	4,245	151.95	3.91
1412	SF	76,000	0 Default	16,954	152.30	3.26
2112	SF	95,500	0 Default	24,615	169.17	2.03
1712	SF	19,000	0 Default	5,185	175.25	2.71
2116	SF	43,200	0 Default	10,154	169.17	2.43
2141	SF	53,150	0 Default	10,410	144.86	3.01
2151	SF	42,000	0 Default	8,659	123.73	2.56
2153	SF	1,500	0 Default	441	198.60	2.54
2182	SF	12,710	0 Default	2,170	117.51	2.57
4122	SF	4,000	0 Default	574	96.59	1.06
8521	SY	41,150	0 Default	2,719	45.83	1.07
4423	SF	1,432	0 Default	61	122.74	5.17
6100	SF	41,605	0 Default	8,475	138.78	2.52
7210	SF	102,240	0 Default	18,158	149.92	4.16
7421	SF	5,027	0 Default	1,184	164.11	3.48
8924	EA	2	0 Default	500	202,863.73	101.04
1464	EA	8	0 Default	422	36,602.44	578.32

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%		

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Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

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:	2.80%

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

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Department : USAF
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Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

FOOTNOTES FOR SCREEN ONE
==========
Per DBCRC request_____

Close Ellsworth AFB. The 28th Bomb Wing's 24 B-1B aircraft are distributed to the 7th Bomb Wing, Dyess AFB, Texas. (Dyess C-130 aircraft stay in place.)

FOOTNOTES FOR SCREEN THREE
==========
Ellsworth:
Moved 7 student positions and reduced enlisted population by 7 to balance Screen 4; moved 43 additional civilians to Dyess to account for DoD tenant population.

Manpower moved to/from Base x are entered in COBRA on Screen 6 as additions/eliminations.

FOOTNOTES FOR SCREEN FIVE
==========
Ellsworth:
One time unique costs of $577.2 (316.3K NAF severance pay; 216K NAF health benefits pay)
One-time Moving $11,776K transportation costs
Support Contract Termination $11,133: UESC contract termination 192K; Sec 801 leased housing termination 10,941k
Environmental Non-Milcon $1150K for NEPA.
Assume hospital facility closes as per previous iterations of this scenario.
Manpower and equipment move in 2008; final closure in 2009.

Dyess:
One-time Unique:
2007 - $36,016K = 29,103 Infrastructure, 6,913 MFH privitization;
2008 - 5,682K = 1594 for 8 B1 blast deflectors, 4,088 for furnishings and equipment;
2009 - $1,969, 971k B1 training furniture, 998K systems furniture;
2010 - $1,370 for dorm furniture
Env Non-MILCON
2006: $765k NEPA,
2007: $196 = 98k air permit, 98k waste program
One-time IT costs of $8,552k
100% construction schedule in 2007

FOOTNOTES FOR SCREEN SIX
==========
Manpower to/from Base X are entered in Screen 6 as additions/eliminations.

FOOTNOTES FOR SCREEN SEVEN
==========
Ellsworth:
No MILCON

Dyess:
Includes Primary facility, Support factilities, AT/FP, ACF, Markup, and Design included. Numbers from MILCON calculator.

2111	Aircraft Maintenance Hanger	5 hangers @ 35,000 square feet each.
1412	Aviation Operations Building (Rehab)	2 Squad Ops @ 38,000 square feet each

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TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10)
Data As Of 8/13/2005 9:07:16 AM, Report Created 8/13/2005 9:08:20 AM

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
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All values in 2005 Constant Dollars

Base Name	Total MilCon*	Milcon Cost Avoidence	Total Net Costs
Ellsworth AFB	0	0	0
Dyess AFB	249,067,000	0	249,067,000
Totals:	249,067,000	0	249,067,000

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

DCN: 11868

COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10) - Page 2
Data As Of 8/13/2005 9:07:16 AM, Report Created 8/13/2005 9:08:21 AM

Department : USAF
Scenario File : A:\USAF 0018V3 (200.3) Ellsworth DBCRC Site Survey.CBR
Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

MilCon for Base: Dyess AFB, TX (FNWZ)

All values in 2005 Constant Dollars ($K)

FAC	Title	UM	New MilCon	New Cost*	Using Rehab	Rehab Type	Rehab Cost*	Total Cost*
1721	Flight Simulator Facility	SF	31,956	n/a**	0	Default	n/a**	8,363
2111	Aircraft Maintenance Hangar	SF	175,000	n/a**	0	Default	n/a**	55,510
2113	Aircraft Corrosion Control Hangar	SF	24,215	n/a**	0	Default	n/a**	9,385
1164	Miscellaneous Airfield Pavement, Surfaced	SY	57	n/a**	0	Default	n/a**	8
1311	Communications Building	SF	400	n/a**	0	Default	n/a**	129
2171	Electronic and Communication Maintenance	SF	42,120	n/a**	0	Default	n/a**	8,918
2181	Installation Support Vehicle Maintenance	SF	73,680	n/a**	0	Default	n/a**	16,322
4111	Bulk Liquid Fuel Storage	BL	71,000	n/a**	0	Default	n/a**	5,458
4221	Ammunition Storage, Installation	SF	48,560	n/a**	0	Default	n/a**	12,000
4421	Covered Storage Building, Installation	SF	58,505	n/a**	0	Default	n/a**	6,832
1494	Explosives Holding/Transfer Facility	EA	1	n/a**	0	Default	n/a**	3,850
7220	Dining Facility	SF	10,400	n/a**	0	Default	n/a**	3,556
7371	Nursery and Child Care Facility	SF	15,488	n/a**	0	Default	n/a**	3,810
7417	Recreation Center	SF	18,861	n/a**	0	Default	n/a**	4,245
1412	Aviation Operations Building	SF	76,000	n/a**	0	Default	n/a**	16,954
2112	Aircraft Maintenance Shop	SF	95,500	n/a**	0	Default	n/a**	24,615
1712	Applied Instruction Building	SF	19,000	n/a**	0	Default	n/a**	5,185
2116	Aircraft Maintenance Shop, Depot	SF	43,200	n/a**	0	Default	n/a**	10,154
2141	Vehicle Maintenance Shop	SF	53,150	n/a**	0	Default	n/a**	10,410
2151	Weapon Maintenance Shop	SF	42,000	n/a**	0	Default	n/a**	8,659
2153	Special Weapon Maintenance Shop	SF	1,500	n/a**	0	Default	n/a**	441
2182	Installation Support Equipment Maintenanc	SF	12,710	n/a**	0	Default	n/a**	2,170
4122	Liquid Oxygen Storage	SF	4,000	n/a**	0	Default	n/a**	574
8521	Vehicle Parking, Surfaced	SY	41,150	n/a**	0	Default	n/a**	2,719
4423	Hazardous Materials Storage, Installation	SF	1,432	n/a**	0	Default	n/a**	61
6100	General Administrative Building	SF	41,605	n/a**	0	Default	n/a**	8,475
7210	Enlisted Unaccompanied Personnel Housing	SF	102,240	n/a**	0	Default	n/a**	18,158
7421	Indoor Physical Fitness Facility	SF	5,027	n/a**	0	Default	n/a**	1,184
8924	Miscellaneous Pump Station	EA	2	n/a**	0	Default	n/a**	500
1464	Aircraft Blast Deflector	EA	8	n/a**	0	Default	n/a**	422

Total Construction Cost:	249,067
- Construction Cost Avoid:	0
Total Net Milcon Cost:	249,067

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

**No New Milcon / Rehabilitation Cost breakdown is available if Total Cost was entered by the user.

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COBRA NET PRESENT VALUES REPORT (COBRA v6.10)
Data As Of 8/13/2005 9:07:16 AM, Report Created 8/13/2005 9:08:27 AM

Department : USAF
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Option Pkg Name: USAF 0018V3 (200.3) Close Ellsworth DBCRC Site Survey
Std Fctrs File : C:\COBRA 6.10\BRAC2005.SFF

Year	Cost($)	Adjusted Cost($)	NPV($)
2006	11,468,581	11,311,316	11,311,316
2007	265,706,921	254,925,450	266,236,766
2008	-36,465,101	-34,032,561	232,204,205
2009	-161,590,056	-146,702,911	85,501,294
2010	-184,751,417	-163,161,903	-77,660,609
2011	-186,121,417	-159,894,756	-237,555,365
2012	-188,279,478	-157,343,113	-394,898,478
2013	-188,279,478	-153,057,503	-547,955,982
2014	-188,279,478	-148,888,622	-696,844,604
2015	-188,279,478	-144,833,290	-841,677,894
2016	-188,279,478	-140,888,414	-982,566,308
2017	-188,279,478	-137,050,987	-1,119,617,295
2018	-188,279,478	-133,318,080	-1,252,935,375
2019	-188,279,478	-129,686,849	-1,382,622,224
2020	-188,279,478	-126,154,522	-1,508,776,746
2021	-188,279,478	-122,718,407	-1,631,495,153
2022	-188,279,478	-119,375,882	-1,750,871,035
2023	-188,279,478	-116,124,399	-1,866,995,434
2024	-188,279,478	-112,961,477	-1,979,956,911
2025	-188,279,478	-109,884,706	-2,089,841,617