

WBS No: 1EFC01
 Activity ID: 1EFC0005

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY *

WBS No: 1EFC01	Title: 130 Cluster Stabilization/Hazard Removal	Cost Risk	2	Schedule Risk	1
Activity ID: 1EFC0005	Description: 130 Cluster Personnel Relocation				

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0001	Personnel Relocation	289.00	each	EE	8	2,313	28,822	61,214	0	90,036	10,030	100,066
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	50,246	50,246	0	50,246
Total for Activity 1EFC0005:						2,313	28,822	61,214	50,246	140,282	10,030	150,312

Line Item 0001 - Personnel Relocation

BOE
 Breakdown of Cost Data: Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99.
 Item - Personnel Move
 Units - Each
 Unit Cost - \$432.35
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	L090 GENERAL LABORER	C233S Building Services	Linear	8.00	Hours
<i>Factors</i> 9 Hrs					
A59 DYNACORP I&ET	0000 NONE	C210S Facilities Maint & Maintenance	Linear	163.74	Dollars
<i>Factors</i> 180 Dollars 1.02283 -- FY00 Escalation --					
A5C SUPPLIES	0000 NONE	C233S Building Services	Linear	48.08	Dollars
<i>Factors</i> 53.26 Dollars 1.015 -- FY00 Escalation --					

0.88934 [SYS 061400] .88934200 - Ssystem
 0.88934 [SYS 061400] .88934200 - Ssystem

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	34,714.04	Dollars
<i>Factors</i> 34714.0 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	15,531.59	Dollars
<i>Factors</i> 15531.6 Dollars					

Activity ID: 1EFC0010	Description: 130 Cluster Facility Transition	Cost Risk	2	Schedule Risk	1
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Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Facility Transition	1.00	each	EE	5,336	5,336	178,301	38,205	0	216,507	62,049	278,555
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	139,869	139,869	0	139,869
Total for Activity 1EFC0010:						5,336	178,301	38,205	139,869	356,376	62,049	418,425

Line Item 0100 - Facility Transition

BOE
 Estimators Experience - The estimators were consultants hired from ICF Kaiser to develop the facility transition tasks template the template was modified to exclude relocation of personnel and property disposition. The remaining costs are applied on a per building basis in each cluster.
 Breakdown of Cost Data:
 Item - Building Transition
 Units - Per Building, 14 buildings in this cluster.
 Unit Cost - Maintenance Management - 160 Hrs; Carpenters - 74 hrs; Plumbers 74hrs; Electricians - 88 hrs; Env. Compliance - 8; Fire Prot. Eng. - \$1,200;
 Planning - \$1,800; Safety - 8 hrs.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1EFC01
 Activity ID: 1EFC0010

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter * Starts In FY *

750	STRAIGHT TIME BASE	C010	CARPENTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	921.36	Hours
<i>Factors</i>		74	hrs	14	buildings			
							0.88934	[SYS 061400] .88934200 - Svsstem
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KE10H	Indust/Site Srvs Steelworkers	Linear	1,095.67	Hours
<i>Factors</i>		88	hrs	14	buildings			
							0.88934	[SYS 061400] .88934200 - Svsstem
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	921.36	Hours
<i>Factors</i>		74	hrs	14	buildings			
							0.88934	[SYS 061400] .88934200 - Svsstem
750	STRAIGHT TIME BASE	E050	ENVIRONMENTAL ENGINEERS	C103S	Environmental Compliance	Linear	106.72	Hours
<i>Factors</i>		8	hrs	15	buildings			
							0.88934	[SYS 061400] .88934200 - Svsstem
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C200S	Engineering Services	Linear	99.61	Hours
<i>Factors</i>		8	hrs	14	buildings			
							0.88934	[SYS 061400] .88934200 - Svsstem
750	STRAIGHT TIME BASE	G010	ADMINISTRATIVE ASSISTANTS	C210S	Facilities Mamt & Maintenance	Linear	199.21	Hours
<i>Factors</i>		16	hrs	14	buildings			
							0.88934	[SYS 061400] .88934200 - Svsstem
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Mamt & Maintenance	Linear	1,992.13	Hours
<i>Factors</i>		160	hrs	14	buildings			
							0.88934	[SYS 061400] .88934200 - Svsstem
A53	E-2	0000	NONE	C105S	Work Control Center	Linear	22,923.07	Dollars
<i>Factors</i>		1800	\$	14	buildings	1.02283 -- FY00 Escalation --		
							0.88934	[SYS 061400] .88934200 - Svsstem
A53	E-2	0000	NONE	K252S	Engineering	Linear	15,282.05	Dollars
<i>Factors</i>		1200	\$	14	buildings	1.02283 -- FY00 Escalation --		
							0.88934	[SYS 061400] .88934200 - System

Line Item SYS - Contingency And Escalation

BOE

Resources

	Cost Element		Skill		Department	Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	96.633.77	Dollars
<i>Factors</i>		96633.8	Dollars					
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	43.235.42	Dollars
<i>Factors</i>		43235.4	Dollars					

Activity ID: 1EFC0012

Description: 130 Cluster Property Removal

Cost Risk 2 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0200	Property Removal	1.00	each	EE	26.240	26.240	981.737	0	0	981.737	341.645	1,323.382
1	Corrective maintenance	0.82	each	HC	10.936	8.916	192.110	51.272	0	243.381	66.854	310.236
3	Preventive maintenance	0.82	each	HC	1.844	1.504	32.953	5.697	0	38.650	11.468	50.118
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	845.443	845.443	0	845.443
Total for Activity 1EFC0012:						36.660	1,206.801	56.969	845.443	2,109.212	419.967	2,529.179

Line Item 0200 - Property Removal

BOE

Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 40659 units that will require disposition.
 Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

WBS No: 1EFC01
 Activity ID: 1EFC0012

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY *

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	1,928.09	Hours
Factors 2168 hrs					
0.88934 ISYS 0614001.88934200 - System					
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Svcs Steelworkers	Linear	2,169.99	Hours
Factors 2440 hrs					
0.88934 ISYS 0614001.88934200 - System					
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Svcs Steelworkers	Linear	2,253.59	Hours
Factors 2534 hrs					
0.88934 ISYS 0614001.88934200 - System					
750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	3,616.06	Hours
Factors 4066 hrs					
0.88934 ISYS 0614001.88934200 - System					
750 STRAIGHT TIME BASE	L090 GENERAL LABORER	KE10H Indust/Site Svcs Steelworkers	Linear	3,616.06	Hours
Factors 4066 hrs					
0.88934 ISYS 0614001.88934200 - System					
750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mgmt & Maintenance	Linear	12,656.23	Hours
Factors 14231 hrs					
0.88934 ISYS 0614001.88934200 - System					

Line Item 1 - Corrective maintenance

BOE

Corrective Maintenance activities and or related processes necessary to support, plan, operate, and maintain infrastructure assets are not readily predictable, as such a model was generated and used to estimate the budgetary requirements of this and all RFCSS managed clusters. The basis of estimate for the resources necessary to perform maintenance activities is: A review of the actual costs accrued during FY 98, RFCSS planned maintenance performance, backlog, and projected work load. These items were the basis from which RFCSS proposed, negotiated, and was awarded the Site maintenance contract KH800099. The proposal value was then modeled to each cluster based on the number of maintenance actions associated with that cluster in FY98, and the proposed value was applied. The percentage of maintenance effort (labor Type) required for each maintenance action is based on the average number of hours required for each labor type for all of the maintenance actions in the RFCSS controlled clusters. This data was taken from the MMS.

Approximately 2079 corrective/routine maintenance work actions are expected.

Historical/Model Data Source - MMS Reporting System and P&I SVAR for FY98

Item Desc - Fiscal Year Corrective Maintenance

Breakdown of Data:

Item - Corrective maintenance

Units - Work Packages

Unit Cost - \$174.73 average for this cluster

Unit Adjustment factor - FY99 is used as a base year. FY00 thru 03 are expected to be maintained at the same level as FY99. In FY04 it is expected that the maintenance requirements will drop due to PA closure and a requirement for less support personnel

Revised number of work orders - FY04-05 is 81.53% of FY99.

Basis for adjustment - Directed targets.

The percentage of maintenance effort (labor Type) is as follows:

- Carpenter 15.38%
- Electrician 30.77% (includes Linemen)
- Maint. Mech 13.85%
- Painter 10.77%
- Pipefitter 23.08%
- Metal Worker 4.62%
- Stationary Operating Engineer 1.54%

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	706.58	Hours
Factors 794.5 h					

0.88934 ISYS 0614001.88934200 - System

WBS No: 1EFC01
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Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	C010	CARPENTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	765.48	Hours
<i>Factors</i> 860.73 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
750	STRAIGHT TIME BASE	C010	CARPENTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	471.05	Hours
<i>Factors</i> 529.66 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KE10H	Indust/Site Srvs Steelworkers	Linear	1,020.62	Hours
<i>Factors</i> 1147.61 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KE10H	Indust/Site Srvs Steelworkers	Linear	1,138.25	Hours
<i>Factors</i> 1279.88 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KE10H	Indust/Site Srvs Steelworkers	Linear	974.76	Hours
<i>Factors</i> 1096.05 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KE10H	Indust/Site Srvs Steelworkers	Linear	78.51	Hours
<i>Factors</i> 88.28 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KE10H	Indust/Site Srvs Steelworkers	Linear	471.05	Hours
<i>Factors</i> 529.66 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
750	STRAIGHT TIME BASE	C040	MAINTENANCE MACHINIST (incl Exp	KE10H	Indust/Site Srvs Steelworkers	Linear	392.55	Hours
<i>Factors</i> 441.39 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
750	STRAIGHT TIME BASE	C070	PAINTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	804.65	Hours
<i>Factors</i> 904.77 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
750	STRAIGHT TIME BASE	C070	PAINTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	471.05	Hours
<i>Factors</i> 529.66 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	1,622.75	Hours
<i>Factors</i> 1824.66 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	314.04	Hours
<i>Factors</i> 353.11 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	255.09	Hours
<i>Factors</i> 286.83 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KE10H	Indust/Site Srvs Steelworkers	Linear	693.48	Hours
<i>Factors</i> 779.77 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
750	STRAIGHT TIME BASE	R070	WASTE TREATMENT OPERATOR A	KE10H	Indust/Site Srvs Steelworkers	Linear	235.52	Hours
<i>Factors</i> 264.83 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	38.28	Hours
<i>Factors</i> 43.04 h								
						0.88934	[SYS 061400]	.88934200 - Svstem
751	OVERTIME BASE & PRE.	C010	CARPENTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	35.32	Hours
<i>Factors</i> 39.72 h								
						0.88934	[SYS 061400]	.88934200 - Svstem

WBS No: 1EFC01
 Activity ID: 1EFC0012

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

751	OVERTIME BASE & PRE.	C010	CARPENTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	23.55	Hours
<i>Factors</i> 26.48 h								
						0.88934	[SYS 061400]	.88934200 - Svsstem
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KE10H	Indust/Site Srvs Steelworkers	Linear	56.91	Hours
<i>Factors</i> 63.99 h								
						0.88934	[SYS 061400]	.88934200 - Svsstem
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KE10H	Indust/Site Srvs Steelworkers	Linear	48.74	Hours
<i>Factors</i> 54.8 h								
						0.88934	[SYS 061400]	.88934200 - Svsstem
751	OVERTIME BASE & PRE.	C020	ELECTRICIANS	KE10H	Indust/Site Srvs Steelworkers	Linear	51.03	Hours
<i>Factors</i> 57.38 h								
						0.88934	[SYS 061400]	.88934200 - Svsstem
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KE10H	Indust/Site Srvs Steelworkers	Linear	19.63	Hours
<i>Factors</i> 22.07 h								
						0.88934	[SYS 061400]	.88934200 - Svsstem
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KE10H	Indust/Site Srvs Steelworkers	Linear	23.55	Hours
<i>Factors</i> 26.48 h								
						0.88934	[SYS 061400]	.88934200 - Svsstem
751	OVERTIME BASE & PRE.	C040	MAINTENANCE MACHINIST (incl Exp	KE10H	Indust/Site Srvs Steelworkers	Linear	3.92	Hours
<i>Factors</i> 4.41 h								
						0.88934	[SYS 061400]	.88934200 - Svsstem
751	OVERTIME BASE & PRE.	C070	PAINTERS	KD10H	776 Complex Steelworkers	Linear	40.23	Hours
<i>Factors</i> 45.24 h								
						0.88934	[SYS 061400]	.88934200 - Svsstem
751	OVERTIME BASE & PRE.	C070	PAINTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	23.55	Hours
<i>Factors</i> 26.48 h								
						0.88934	[SYS 061400]	.88934200 - Svsstem
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	12.75	Hours
<i>Factors</i> 14.34 h								
						0.88934	[SYS 061400]	.88934200 - Svsstem
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	81.13	Hours
<i>Factors</i> 91.23 h								
						0.88934	[SYS 061400]	.88934200 - Svsstem
751	OVERTIME BASE & PRE.	C080	PLUMBERS AND PIPEFITTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	15.71	Hours
<i>Factors</i> 17.66 h								
						0.88934	[SYS 061400]	.88934200 - Svsstem
751	OVERTIME BASE & PRE.	C090	STRUCTURAL AND METAL WORKE	KE10H	Indust/Site Srvs Steelworkers	Linear	34.68	Hours
<i>Factors</i> 38.99 h								
						0.88934	[SYS 061400]	.88934200 - Svsstem
751	OVERTIME BASE & PRE.	R070	WASTE TREATMENT OPERATOR A	KE10H	Indust/Site Srvs Steelworkers	Linear	11.77	Hours
<i>Factors</i> 13.24 h								
						0.88934	[SYS 061400]	.88934200 - Svsstem
A5C	SUPPLIES	0000	NONE	C210S	Facilities Mgmt & Maintenance	Linear	62,886.96	Dollars
<i>Factors</i> 69666.8 d 1.015 -- FY00 Escalation --								
						0.88934	[SYS 061400]	.88934200 - Svsstem

Line Item 3 - Preventive maintenance

BOE Preventive Maintenance activities and or related processes necessary to support, plan, operate, and maintain infrastructure assets are modeled similar to corrective maintenance. The model is based on analysis of over 4,000 PMOs in the areas for which RFCSS is responsible. The basis of estimate for the resources necessary to perform maintenance activities is: A review of the actual costs accrued during FY 98, RFCSS planned maintenance performance, backlog, and projected work load. These items were the basis from which RFCSS proposed, negotiated, and was awarded the Site maintenance contract KH800099. The proposal value was then modeled to each cluster based on the number of maintenance actions associated with that cluster in FY98, and the proposed value was applied. The percentage of maintenance effort (labor Type) required for each maintenance action is based on the average number of hours required for each labor type for all of the maintenance actions in the RFCSS controlled clusters. This data was taken from the MMS.

WBS No: 1EFC01
 Activity ID: 1EFC0012

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY *

Approximately 817 preventative maintenance work actions are expected.

Data Source - MMS and P&I Reporting System SVAR for FY98
 Item Desc - Fiscal Year Preventive Maintenance
 Breakdown of Data:
 Item - Preventive maintenance
 Units - Work Packages
 Unit Cost - \$72.29 average
 Unit Adjustment factor - FY99 is used as a base year. FY00 thru 03 are expected to be maintained at the same level as FY99. In FY04 it is expected that the maintenance requirements will drop due to PA closure and a requirement for less support personnel
 Revised number of work orders - FY04-05 is 81.53% of FY99.
 Basis for adjustment - Directed targets.

The percentage of maintenance effort (labor Type) required is as follows:

Electrician 50.00% (includes Linemen)
 Maint. Mech 37.50%
 Pipefitter 12.50%

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Srvs Steelworkers	Linear	942.11	Hours
Factors	1059.33 h					
	750 STRAIGHT TIME BASE	C040 MAINTENANCE MACHINIST (incl Exp	KE10H Indust/Site Srvs Steelworkers	Linear	706.58	Hours
Factors	794.5 h					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Srvs Steelworkers	Linear	107.81	Hours
Factors	121.22 h					
	751 OVERTIME BASE & PRE.	C020 ELECTRICIANS	KE10H Indust/Site Srvs Steelworkers	Linear	47.11	Hours
Factors	52.97 h					
	751 OVERTIME BASE & PRE.	C040 MAINTENANCE MACHINIST (incl Exp	KE10H Indust/Site Srvs Steelworkers	Linear	35.32	Hours
Factors	39.72 h					
	751 OVERTIME BASE & PRE.	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Srvs Steelworkers	Linear	5.39	Hours
Factors	6.06 h					
	A5C SUPPLIES	0000 NONE	C210S Facilities Mamt & Maintenance	Linear	6.987.44	Dollars
Factors	7740.75 d	1.015 -- FY00 Escalation --				

Line Item SYS - Contingency And Escalation

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	584.105.50	Dollars
Factors	584106 Dollars					
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	261.337.70	Dollars
Factors	261338 Dollars					

WBS No: 1EFC02 Title: 111 Cluster Stabilization/Hazard Removal
 Activity ID: 1EFC0015 Description: 111 Cluster Property Removal FY00
 Cost Risk 2 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	0	0	0	0	0	0	0	0

WBS No: 1EFC02
 Activity ID: 1EFC0015

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

Total for Activity 1EFC0015:

0	0	0	0	0	0
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Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 10000 units that will require disposition.
 Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	0.00	Hours
Factors	533 hrs	0	EV Factor			
750	STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Svcs Steelworkers	Linear	0.00	Hours
Factors	600 hrs	0	EV Factor			
750	STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Svcs Steelworkers	Linear	0.00	Hours
Factors	866 hrs	0	EV Factor			
750	STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safetv	Linear	0.00	Hours
Factors	1000 hrs	0	EV Factor			
750	STRAIGHT TIME BASE	L090 GENERAL LABORER	KE10H Indust/Site Svcs Steelworkers	Linear	0.00	Hours
Factors	1000 hrs	0	EV Factor			
750	STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mamt & Maintenance	Linear	0.00	Hours
Factors	3500 hrs	0	EV Factor			

Activity ID: 1EFC0020 Description: 111 Cluster Personnel Relocations Cost Risk 2 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0001	Personnel Relocation	101.00	each	EE	8	808	10,073	21,393	0	31,466	3,485	34,951
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	9,787	9,787	0	9,787
						808	10,073	21,393	9,787	41,253	3,485	44,738

Line Item 0001 - Personnel Relocation

BOE
 Breakdown of Cost Data: Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99.
 Item - Personnel Move
 Units - Each
 Unit Cost - \$432.35
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L090 GENERAL LABORER	C233S Building Services	Linear	8.00	Hours
Factors	9 Hrs					
A59	DYNCORP I&ET	0000 NONE	C210S Facilities Mamt & Maintenance	Linear	163.74	Dollars
Factors	180 Dollars	1.02283	-- FY00 Escalation --			
A5C	SUPPLIES	0000 NONE	C233S Building Services	Linear	48.08	Dollars
Factors	53.26 Dollars	1.015	-- FY00 Escalation --			

Line Item SYS - Contingency And Escalation

BOE

WBS No: 1EFC02
 Activity ID: 1EFC0020

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT No Department	Linear	7,106.84	Dollars
Factors		7106.84 Dollars					
ESC	ESCALATION	0000	NONE	ZDEPT No Department	Linear	2,680.24	Dollars
Factors		2680.24 Dollars					

Activity ID: 1EFC0025 Description: INFFCM Cluster Property Removal

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	4.175	4.175	154,055	0	0	154,055	43,444	197,499
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	28,200	28,200	0	28,200
Total for Activity 1EFC0025:						4.175	154,055	0	28,200	182,255	43,444	225,699

Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 6259 units that will require disposition.
 Unit Cost - Average cost for one unit of admin. property disposal requires .10 hrs of Haz. Assessment, .2 hrs of Readiness removal, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010	CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	297.04	Hours
Factors		334 hrs					
						0.88934 [SYS 061400] .88934200 - Svsstem	
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KE10H Indust/Site Svcs Steelworkers	Linear	334.39	Hours
Factors		376 hrs					
						0.88934 [SYS 061400] .88934200 - Svsstem	
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Svcs Steelworkers	Linear	482.02	Hours
Factors		542 hrs					
						0.88934 [SYS 061400] .88934200 - Svsstem	
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C101S Health & Safety	Linear	556.73	Hours
Factors		626 hrs					
						0.88934 [SYS 061400] .88934200 - Svsstem	
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	KE10H Indust/Site Svcs Steelworkers	Linear	556.73	Hours
Factors		626 hrs					
						0.88934 [SYS 061400] .88934200 - Svsstem	
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S Facilities Mamt & Maintenance	Linear	1,947.66	Hours
Factors		2190 hrs					
						0.88934 [SYS 061400] .88934200 - Svsstem	

Line Item SYS - Contingency And Escalation

BOE

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT No Department	Linear	9,237.21	Dollars
Factors		9237.21 Dollars					
ESC	ESCALATION	0000	NONE	ZDEPT No Department	Linear	18,963.08	Dollars
Factors		18963.1 Dollars					

Activity ID: 1EFC0030 Description: INFFCM Cluster Personnel Relocation

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
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WBS No: 1EFC02
 Activity ID: 1EFC0030

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter * Starts In FY *

0001	Personnel Relocation	31.00	each	EE	8	248	3,092	6,566	0	9,658	872	10,530
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	1,504	1,504	0	1,504
Total for Activity 1EFC0030:						248	3,092	6,566	1,504	11,161	872	12,033

Line Item 0001 - Personnel Relocation

BOE
 Breakdown of Cost Data: Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99.
 Item - Personnel Move
 Units - Each
 Unit Cost - \$432.35
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	L090 GENERAL LABORER	C233S Building Services	Linear	8.00	Hours
<i>Factors</i> 9 Hrs					
A59 DYNACORP I&ET	0000 NONE	C210S Facilities Mgmt & Maintenance	Linear	163.74	Dollars
<i>Factors</i> 180 Dollars 1.02283 -- FY00 Escalation --					
A5C SUPPLIES	0000 NONE	C233S Building Services	Linear	48.08	Dollars
<i>Factors</i> 53.26 Dollars 1.015 -- FY00 Escalation --					

0.88934 [SYS 061400] .88934200 - Svsstem
 0.88934 [SYS 061400] .88934200 - Svsstem
 0.88934 [SYS 061400] .88934200 - Svsstem

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	492.49	Dollars
<i>Factors</i> 492.485 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	1,011.02	Dollars
<i>Factors</i> 1011.02 Dollars					

Activity ID: 1EFC0033

Description: 111 Cluster Stabilization/Hazards Removal

Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0001 - tC551105A	Personnel Relocation	101.00	each	EE	8	808	10,073	21,393	0	31,466	3,421	34,887
0100 - tC551103A	Property Removal	1.00	each	EE	6,669	6,669	246,152	0	0	246,152	83,612	329,764
0100 - tC551104A	Property Removal	1.00	each	EE	10,719	10,719	395,620	0	0	395,620	134,383	530,003
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	221,325	221,325	0	221,325
Total for Activity 1EFC0033:						18,197	651,845	21,393	221,325	894,563	221,416	1,115,979

Line Item 0001 - tC551105A30 - Personnel Relocation

BOE
 Breakdown of Cost Data: Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99.
 Item - Personnel Move
 Units - Each
 Unit Cost - \$432.35
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	L090 GENERAL LABORER	C233S Building Services	Linear	8.00	Hours
<i>Factors</i> 9 Hrs					

0.88934 [SYS 061400] .88934200 - Svsstem

WBS No: 1EFC02
 Activity ID: 1EFC0033

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY: *

A59	DYNCORP I&ET	0000	NONE	C210S	Facilities Mamt & Maintenance	Linear	163.74	Dollars
<i>Factors</i>		180	Dollars	1.02283 -- FY00 Escalation --				
							0.88934	[SYS 061400] .88934200 - Svstem
A5C	SUPPLIES	0000	NONE	C233S	Building Services	Linear	48.08	Dollars
<i>Factors</i>		53.26	Dollars	1.015 -- FY00 Escalation --				
							0.88934	[SYS 061400] .88934200 - Svstem

Line Item 0100 - tC551103A20 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 10000 units that will require disposition.
 Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	C010	CARPENTERS	C211S	Electrical Maintenance	Linear		474.02	Hours
<i>Factors</i>		533	hrs						
							0.88934	[SYS 061400] .88934200 - Svstem	
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	C214S	Building Maintenance	Linear		533.61	Hours
<i>Factors</i>		600	hrs						
							0.88934	[SYS 061400] .88934200 - Svstem	
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	C213S	HVAC Maintenance	Linear		770.17	Hours
<i>Factors</i>		866	hrs						
							0.88934	[SYS 061400] .88934200 - Svstem	
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C101S	Health & Safety	Linear		889.34	Hours
<i>Factors</i>		1000	hrs						
							0.88934	[SYS 061400] .88934200 - Svstem	
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	C270S	Property Management	Linear		889.34	Hours
<i>Factors</i>		1000	hrs						
							0.88934	[SYS 061400] .88934200 - Svstem	
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Mamt & Maintenance	Linear		3,112.70	Hours
<i>Factors</i>		3500	hrs						
							0.88934	[SYS 061400] .88934200 - Svstem	

Line Item 0100 - tC551104A20 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 16071 units that will require disposition.
 Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

	<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
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WBS No: 1EFC02
 Activity ID: 1EFC0033

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	C010	CARPENTERS	C211S	Electrical Maintenance	Linear	762.17	Hours
<i>Factors</i> 857 hrs								
						0.88934	ISYS 0614001.88934200 - Svsstem	
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	C214S	Building Maintenance	Linear	857.33	Hours
<i>Factors</i> 964 hrs								
						0.88934	ISYS 0614001.88934200 - Svsstem	
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	C213S	HVAC Maintenance	Linear	1,238.85	Hours
<i>Factors</i> 1393 hrs								
						0.88934	ISYS 0614001.88934200 - Svsstem	
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C101S	Health & Safety	Linear	1,429.17	Hours
<i>Factors</i> 1607 hrs								
						0.88934	ISYS 0614001.88934200 - Svsstem	
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	C270S	Property Management	Linear	1,429.17	Hours
<i>Factors</i> 1607 hrs								
						0.88934	ISYS 0614001.88934200 - Svsstem	
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Mamt & Maintenance	Linear	5,002.55	Hours
<i>Factors</i> 5625 hrs								
						0.88934	ISYS 0614001.88934200 - Svsstem	

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	151,080.60	Dollars
<i>Factors</i> 151081 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	70,243.94	Dollars
<i>Factors</i> 70243.9 Dollars					

Activity ID: 1EFC0034

Description: INFFCM Cluster Stabilization/Hazards Removal

Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0001 - tC55T104A	Personnel Relocation	31.00	each	EE	8	248	3,092	6,566	0	9,658	889	10,547
0100 - tC55T104A	Property Removal	1.00	each	EE	4,175	4,175	154,055	0	0	154,055	44,298	198,353
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	40,911	40,911	0	40,911
Total for Activity 1EFC0034:						4,423	157,147	6,566	40,911	204,624	45,187	249,810

Line Item 0001 - tC55T104A30 - Personnel Relocation

BOE

Breakdown of Cost Data: Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99.
 Item - Personnel Move
 Units - Each
 Unit Cost - \$432.35
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	L090 GENERAL LABORER	C233S Building Services	Linear	8.00	Hours
<i>Factors</i> 9 Hrs					
0.88934 ISYS 0614001.88934200 - Svsstem					
A59 DYNACORP I&ET	0000 NONE	C210S Facilities Mamt & Maintenance	Linear	163.74	Dollars
<i>Factors</i> 180 Dollars 1.02283 -- FY00 Escalation --					
0.88934 ISYS 0614001.88934200 - Svsstem					
A5C SUPPLIES	0000 NONE	C233S Building Services	Linear	48.08	Dollars
<i>Factors</i> 53.26 Dollars 1.015 -- FY00 Escalation --					
0.88934 ISYS 0614001.88934200 - Svsstem					

WBS No: 1EFC02
 Activity ID: 1EFC0034

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY *

Line Item 0100 - tC55T104A20 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 6259 units that will require disposition.
 Unit Cost - Average cost for one unit of admin. property disposal requires .10 hrs of Haz. Assessment, .2 hrs of Readiness removal, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	C211S Electrical Maintenance	Linear	297.04	Hours
Factors	334 hrs					
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	C214S Building Maintenance	Linear	334.39	Hours
Factors	376 hrs					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	C213S HVAC Maintenance	Linear	482.02	Hours
Factors	542 hrs					
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	556.73	Hours
Factors	626 hrs					
	750 STRAIGHT TIME BASE	L090 GENERAL LABORER	C270S Property Management	Linear	556.73	Hours
Factors	626 hrs					
	750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Maint & Maintenance	Linear	1,947.66	Hours
Factors	2190 hrs					

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	19,772.35	Dollars
Factors	19772.4 Dollars					
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	21,138.29	Dollars
Factors	21138.3 Dollars					

WBS No: 1EFC03 Title: 331 Cluster Stabilization/Hazard Removal

Activity ID: 1EFC0035 Description: 331 Cluster Property Removal

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	4,854	4,854	121,468	0	0	121,468	42,028	163,496
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	45,329	45,329	0	45,329
Total for Activity 1EFC0035:						4,854	121,468	0	45,329	166,797	42,028	208,825

Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are an estimated 4798 units that will require disposition.
 Unit Cost - Average cost for one unit of Industrial type 1 property disposal requires 1.16 hrs RCT; .35 hrs of Haz. Assessment, 1.16 hrs of Readiness

WBS No: 1EFC03
 Activity ID: 1EFC0035

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

removal, .36 Hrs of transportation, .2 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	821.71	Hours
Factors	2558 Hours	0.3612 May 2000 Earned Value Factor				
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Svcs Steelworkers	Linear	924.50	Hours
Factors	2878 Hours	0.3612 May 2000 Earned Value Factor				
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Svcs Steelworkers	Linear	1,335.68	Hours
Factors	4158 Hours	0.3612 May 2000 Earned Value Factor				
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	308.06	Hours
Factors	959 Hours	0.3612 May 2000 Earned Value Factor				
	750 STRAIGHT TIME BASE	L090 GENERAL LABORER	KE10H Indust/Site Svcs Steelworkers	Linear	308.06	Hours
Factors	959 Hours	0.3612 May 2000 Earned Value Factor				
	750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mgmt & Maintenance	Linear	539.35	Hours
Factors	1679 Hours	0.3612 May 2000 Earned Value Factor				
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KE10H Indust/Site Svcs Steelworkers	Linear	616.44	Hours
Factors	1919 Hours	0.3612 May 2000 Earned Value Factor				

Line Item SYS - Contingency And Escalation

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	32,791.00	Dollars
Factors	32791 Dollars					
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	12,537.74	Dollars
Factors	12537.7 Dollars					

Activity ID: 1EFC0038 Description: 331 Cluster Stabilization/Hazards Removal

Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100 - tC556103A	Property Removal	1.00	each	EE	13.438	13.438	336.290	0	0	336.290	114.230	450.520
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	111.456	111.456	0	111.456
Total for Activity 1EFC0038:						13.438	336.290	0	111.456	447.747	114.230	561.976

Line Item 0100 - tC556103A20 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are an estimated 4798 units that will require disposition.
 Unit Cost - Average cost for one unit of Industrial type 1 property disposal requires 1.16 hrs RCT; .35 hrs of Haz. Assessment, 1.16 hrs of Readiness removal, .36 Hrs of transportation, .2 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

WBS No: 1EFC03
 Activity ID: 1EFC0038

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	C211S Electrical Maintenance	Linear	2,274.94	Hours
Factors	2558 hrs					
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	C214S Building Maintenance	Linear	2,559.53	Hours
Factors	2878 hrs					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	C213S HVAC Maintenance	Linear	3,697.88	Hours
Factors	4158 hrs					
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	852.88	Hours
Factors	959 hrs					
	750 STRAIGHT TIME BASE	L090 GENERAL LABORER	C270S Property Management	Linear	852.88	Hours
Factors	959 hrs					
	750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mgmt & Maintenance	Linear	1,493.21	Hours
Factors	1679 hrs					
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	C270S Property Management	Linear	1,706.65	Hours
Factors	1919 hrs					

Line Item SYS - Contingency And Escalation

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	76,084.45	Dollars
Factors	76084.5 Dollars					
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	35,371.77	Dollars
Factors	35371.8 Dollars					

WBS No: 1EFC04 Title: 551 Cluster Stabilization/Hazard Removal

Activity ID: 1EFC0040 Description: 223 Cluster Property Removal

Cost Risk 2 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	3.894	3.894	97.425	0	0	97.425	33.709	131.134
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	36.720	36.720	0	36.720
Total for Activity 1EFC0040:						3.894	97.425	0	36.720	134.145	33.709	167.854

Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 1807 units that will require disposition.
 Unit Cost - Average cost for one unit Industrial type 1 property disposal requires 1.16 hrs RCT; .35 hrs of Haz. Assessment, 1.16 hrs of Readiness removal, .36 Hrs of transportation, .2 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	659.00	Hours
Factors	741 hrs					

0.88934 [SYS 061400] .88934200 - System

WBS No: 1EFC04
 Activity ID: 1EFC0040

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KE10H	Indust/Site Svcs Steelworkers	Linear	741.71	Hours	
<i>Factors</i> 834 hrs							0.88934 [SYS 061400] .88934200 - Ssystem		
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KE10H	Indust/Site Svcs Steelworkers	Linear	1,071.66	Hours	
<i>Factors</i> 1205 hrs							0.88934 [SYS 061400] .88934200 - Ssystem		
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C101S	Health & Safety	Linear	247.24	Hours	
<i>Factors</i> 278 hrs							0.88934 [SYS 061400] .88934200 - Ssystem		
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	KE10H	Indust/Site Svcs Steelworkers	Linear	247.24	Hours	
<i>Factors</i> 278 hrs							0.88934 [SYS 061400] .88934200 - Ssystem		
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Mgmt & Maintenance	Linear	432.22	Hours	
<i>Factors</i> 486 hrs							0.88934 [SYS 061400] .88934200 - Ssystem		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KE10H	Indust/Site Svcs Steelworkers	Linear	494.47	Hours	
<i>Factors</i> 556 hrs							0.88934 [SYS 061400] .88934200 - Ssystem		

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	26,664.26	Dollars
<i>Factors</i> 26664.3 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	10,056.02	Dollars
<i>Factors</i> 10056.0 Dollars					

Activity ID: 1EFC0043

Description: 223 Cluster Stabilization/Hazards Removal

Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100 - tC554105A	Property Removal	1.00	each	EE	3,894	3,894	97,425	0	0	97,425	33,093	130,518
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	32,289	32,289	0	32,289
Total for Activity 1EFC0043:						3,894	97,425	0	32,289	129,714	33,093	162,807

Line Item 0100 - tC554105A20 - Property Removal

BOE

Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 1807 units that will require disposition.
 Unit Cost - Average cost for one unit Industrial type 1 property disposal requires 1.16 hrs RCT; .35 hrs of Haz. Assessment, 1.16 hrs of Readiness removal, .36 Hrs of transportation, .2 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	C211S Electrical Maintenance	Linear	659.00	Hours
<i>Factors</i> 741 hrs					
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	C214S Building Maintenance	Linear	741.71	Hours
<i>Factors</i> 834 hrs					

WBS No: 1EFC04
 Activity ID: 1EFC0043

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY: *

750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	C213S	HVAC Maintenance	Linear	1,071.66	Hours
							0.88934	[SYS 061400] .88934200 - Svsystem
<i>Factors</i> 1205 hrs								
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C101S	Health & Safety	Linear	247.24	Hours
<i>Factors</i> 278 hrs								
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	C270S	Property Management	Linear	247.24	Hours
<i>Factors</i> 278 hrs								
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Mamt & Maintenance	Linear	432.22	Hours
<i>Factors</i> 486 hrs								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	C270S	Property Management	Linear	494.47	Hours
<i>Factors</i> 556 hrs								

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	22,041.99	Dollars
<i>Factors</i> 22042 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	10,247.35	Dollars
<i>Factors</i> 10247.4 Dollars					

Activity ID: 1EFC0045 Description: 300/500 Cluster Ind 1 Property Removal

Cost Risk 2 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	14.006	14.006	350.514	0	0	350.514	123.731	474.245
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	71.612	71.612	0	71.612
Total for Activity 1EFC0045:						14.006	350.514	0	71.612	422.126	123.731	545.858

Line Item 0100 - Property Removal

BOE

Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 5000 units that will require disposition.
 Unit Cost - Average cost for one unit of Industrial type 1 property (95% of the material) disposal requires 1.16 hrs RCT; .35 hrs of Haz. Assessment, 1.16 hrs of Readiness removal, .36 Hrs of transportation, .2 Hrs of material handling, and .35 hrs admin support.

 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	2,370.99	Hours
<i>Factors</i> 2666 hrs					
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Svcs Steelworkers	Linear	2,668.03	Hours
<i>Factors</i> 3000 hrs					
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Svcs Steelworkers	Linear	3,853.52	Hours
<i>Factors</i> 4333 hrs					

WBS No: 1EFC04
 Activity ID: 1EFC0045

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C101S	Health & Safety	Linear	889.34	Hours
<i>Factors</i> 1000 hrs							0.88934	[SYS 061400] .88934200 - Ssystem
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	KE10H	Indust/Site Srvs Steelworkers	Linear	889.34	Hours
<i>Factors</i> 1000 hrs							0.88934	[SYS 061400] .88934200 - Ssystem
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Mgmt & Maintenance	Linear	1,556.35	Hours
<i>Factors</i> 1750 hrs							0.88934	[SYS 061400] .88934200 - Ssystem
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KE10H	Indust/Site Srvs Steelworkers	Linear	1,778.68	Hours
<i>Factors</i> 2000 hrs							0.88934	[SYS 061400] .88934200 - Ssystem

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	49,450.31	Dollars
<i>Factors</i> 49450.3 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	22,162.16	Dollars
<i>Factors</i> 22162.2 Dollars					

Activity ID: 1EFC0050 Description: 300/500 Cluster Ind 2 Property Removal

Cost Risk 2 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	13.979	13.979	306.417	0	0	306.417	108.165	414.582
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	62.603	62.603	0	62.603
Total for Activity 1EFC0050:						13.979	306.417	0	62.603	369.020	108.165	477.185

Line Item 0100 - Property Removal

BOE

Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 906 units that will require disposition.
 Unit Cost - Average cost for one unit of Industrial type 2 property disposal requires 2 hrs RCT; .5 hrs of Haz. Assessment, 14 hrs of Readiness removal, 1.1 Hrs of transportation, .5 Hrs of material handling, and .35 hrs admin support.

 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Srvs Steelworkers	Linear	3,007.75	Hours
<i>Factors</i> 3382 hrs					
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Srvs Steelworkers	Linear	3,383.95	Hours
<i>Factors</i> 3805 hrs					
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Srvs Steelworkers	Linear	4,887.82	Hours
<i>Factors</i> 5496 hrs					
750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	402.87	Hours
<i>Factors</i> 453 hrs					

WBS No: 1EFC04
 Activity ID: 1EFC0050

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY: *

750	STRAIGHT TIME BASE	L090	GENERAL LABORER	KE10H	Indust/Site Svcs Steelworkers	Linear	402.87	Hours
							0.88934	[SYS 061400] .88934200 - Svsystem
<i>Factors</i> 453 hrs								
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Mamt & Maintenance	Linear	281.92	Hours
<i>Factors</i> 317 hrs								
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KE10H	Indust/Site Svcs Steelworkers	Linear	1,611.49	Hours
<i>Factors</i> 1812 hrs								
							0.88934	[SYS 061400] .88934200 - Svsystem

Line Item SYS - Contingency And Escalation

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	43,229.1	Dollars
<i>Factors</i> 43229.1 Dollars						
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	19,374.0	Dollars
<i>Factors</i> 19374.0 Dollars						

Activity ID: 1EFC0055 Description: 300/500 Cluster Ind 1 Property Removal

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	14.006	14.006	350.514	0	0	350.514	121.278	471.792
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	130.803	130.803	0	130.803
Total for Activity 1EFC0055:						14.006	350.514	0	130.803	481.316	121.278	602.594

Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 5000 units that will require disposition.
 Unit Cost - Average cost for one unit of Industrial type 1 property (95% of the material) disposal requires 1.16 hrs RCT; .35 hrs of Haz. Assessment, 1.16 hrs of Readiness removal, .36 Hrs of transportation, .2 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	2,370.99	Hours
<i>Factors</i> 2666 hrs						
0.88934 [SYS 061400] .88934200 - Svsystem						
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Svcs Steelworkers	Linear	2,668.03	Hours
<i>Factors</i> 3000 hrs						
0.88934 [SYS 061400] .88934200 - Svsystem						
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Svcs Steelworkers	Linear	3,853.52	Hours
<i>Factors</i> 4333 hrs						
0.88934 [SYS 061400] .88934200 - Svsystem						
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	889.34	Hours
<i>Factors</i> 1000 hrs						
0.88934 [SYS 061400] .88934200 - Svsystem						
	750 STRAIGHT TIME BASE	L090 GENERAL LABORER	KE10H Indust/Site Svcs Steelworkers	Linear	889.34	Hours
<i>Factors</i> 1000 hrs						
0.88934 [SYS 061400] .88934200 - Svsystem						

WBS No: 1EFC04
 Activity ID: 1EFC0055

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter * Starts In FY *

750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Mgmt & Maintenance	Linear	1,556.35	Hours
<i>Factors</i> 1750 hrs							0.88934	[SYS 061400] .88934200 - Svsystem
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KE10H	Indust/Site Srvs Steelworkers	Linear	1,778.68	Hours
<i>Factors</i> 2000 hrs							0.88934	[SYS 061400] .88934200 - Svsystem

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element		Skill		Department		Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	94,623.22	Dollars
<i>Factors</i> 94623.2 Dollars								
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	36,179.46	Dollars
<i>Factors</i> 36179.5 Dollars								

Activity ID: 1EFC0060 Description: 300/500 Cluster Personnel Relocation

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0001	Personnel Relocation	31.00	each	EE	8	248	3,092	6,566	0	9,658	1,070	10,728
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	2,974	2,974	0	2,974
Total for Activity 1EFC0060:						248	3,092	6,566	2,974	12,632	1,070	13,702

Line Item 0001 - Personnel Relocation

BOE

Breakdown of Cost Data: Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99.
 Item - Personnel Move
 Units - Each
 Unit Cost - \$432.35
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	C233S	Building Services	Linear	8.00	Hours
<i>Factors</i> 9 Hrs							0.88934	[SYS 061400] .88934200 - System
A59	DYNCORP I&ET	0000	NONE	C210S	Facilities Mgmt & Maintenance	Linear	163.74	Dollars
<i>Factors</i> 180 Dollars							1.02283	-- FY00 Escalation --
A5C	SUPPLIES	0000	NONE	C233S	Building Services	Linear	48.08	Dollars
<i>Factors</i> 53.26 Dollars							1.015	-- FY00 Escalation --
							0.88934	[SYS 061400] .88934200 - System

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element		Skill		Department		Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	2,151.54	Dollars
<i>Factors</i> 2151.54 Dollars								
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	822.65	Dollars
<i>Factors</i> 822.647 Dollars								

Activity ID: 1EFC0063 Description: 300/500 Cluster Stabilization/Hazards Removal

Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0001 - tC557104A	Personnel Relocation	43.00	each	EE	8	344	4,288	9,108	0	13,396	1,456	14,852
0100 - tC557104A	Property Removal	1.00	each	EE	2,126	2,126	78,486	0	0	78,486	26,642	105,127
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	29,642	29,642	0	29,642

WBS No: 1EFC04
 Activity ID: 1EFC0063

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

Total for Activity 1EFC0063:

2,471	82,774	9,108	29,642	121,524	28,098	149,622
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Line Item 0001 - tC557104A30 - Personnel Relocation

BOE
 Breakdown of Cost Data: Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99.
 Item - Personnel Move
 Units - Each
 Unit Cost - \$432.35
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L090 GENERAL LABORER	C233S Building Services	Linear	8.00	Hours
<i>Factors</i>	9 Hrs					
	A59 DYNACORP I&ET	0000 NONE	C210S Facilities Mgmt & Maintenance	Linear	163.74	Dollars
<i>Factors</i>	180 Dollars	1.02283 -- FY00 Escalation --				
	A5C SUPPLIES	0000 NONE	C233S Building Services	Linear	48.08	Dollars
<i>Factors</i>	53.26 Dollars	1.015 -- FY00 Escalation --				

0.88934 [SYS 061400] .88934200 - System
 0.88934 [SYS 061400] .88934200 - System
 0.88934 [SYS 061400] .88934200 - System

Line Item 0100 - tC557104A20 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 3190 units that will require disposition.
 Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	C211S Electrical Maintenance	Linear	151.19	Hours
<i>Factors</i>	170 hrs					
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	C214S Building Maintenance	Linear	169.86	Hours
<i>Factors</i>	191 hrs					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	C213S HVAC Maintenance	Linear	245.46	Hours
<i>Factors</i>	276 hrs					
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	283.70	Hours
<i>Factors</i>	319 hrs					
	750 STRAIGHT TIME BASE	L090 GENERAL LABORER	C270S Property Management	Linear	283.70	Hours
<i>Factors</i>	319 hrs					
	750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mgmt & Maintenance	Linear	992.51	Hours
<i>Factors</i>	1116 hrs					

0.88934 [SYS 061400] .88934200 - System

Line Item SYS - Contingency And Escalation

BOE

WBS No: 1EFC04
 Activity ID: 1EFC0063

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	20,213.47	Dollars
<i>Factors</i> 20213.5 Dollars						
ESC	ESCALATION	0000 NONE	ZDEPT No Department	Linear	9,428.67	Dollars
<i>Factors</i> 9428.67 Dollars						

Activity ID: 1EFC0065 Description: 371T Cluster Property Removal Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	2,126	2,126	78,486	0	0	78,486	27,705	106,191
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	15,872	15,872	0	15,872
Total for Activity 1EFC0065:						2,126	78,486	0	15,872	94,357	27,705	122,063

Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 3190 units that will require disposition.
 Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	151.19	Hours
<i>Factors</i> 170 hrs						
0.88934 [SYS 061400] .88934200 - System						
750	STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Svcs Steelworkers	Linear	169.86	Hours
<i>Factors</i> 191 hrs						
0.88934 [SYS 061400] .88934200 - System						
750	STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Svcs Steelworkers	Linear	245.46	Hours
<i>Factors</i> 276 hrs						
0.88934 [SYS 061400] .88934200 - System						
750	STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	283.70	Hours
<i>Factors</i> 319 hrs						
0.88934 [SYS 061400] .88934200 - System						
750	STRAIGHT TIME BASE	L090 GENERAL LABORER	KE10H Indust/Site Svcs Steelworkers	Linear	283.70	Hours
<i>Factors</i> 319 hrs						
0.88934 [SYS 061400] .88934200 - System						
750	STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mgmt & Maintenance	Linear	992.51	Hours
<i>Factors</i> 1116 hrs						
0.88934 [SYS 061400] .88934200 - System						

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	10,909.20	Dollars
<i>Factors</i> 10909.2 Dollars						
ESC	ESCALATION	0000 NONE	ZDEPT No Department	Linear	4,962.46	Dollars
<i>Factors</i> 4962.46 Dollars						

Activity ID: 1EFC0070 Description: 371T Cluster Personnel Relocation Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
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WBS No: 1EFC04
 Activity ID: 1EFC0070

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC

		Type	Hours/Unit	Total	Total	Activity Filter	* & Escalation	Cost	Starts In FY	*	
0001	Personnel Relocation	each	EE	8	344	4.288	9.108	0	13.396	1.514	14.910
SYS	Contingency And Escalation	each	EE	0	0	0	0	2.229	2.229	0	2.229
Total for Activity 1EFC0070:					344	4.288	9.108	2.229	15.625	1.514	17.139

Line Item 0001 - Personnel Relocation

BOE
 Breakdown of Cost Data: Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99.
 Item - Personnel Move
 Units - Each
 Unit Cost - \$432.35
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	L090 GENERAL LABORER	C233S Building Services	Linear	8.00	Hours
<i>Factors</i> 9 Hrs					
A59 DYNCORP I&ET	0000 NONE	C210S Facilities Mamt & Maintenance	Linear	163.74	Dollars
<i>Factors</i> 180 Dollars 1.02283 -- FY00 Escalation --					
A5C SUPPLIES	0000 NONE	C233S Building Services	Linear	48.08	Dollars
<i>Factors</i> 53.26 Dollars 1.015 -- FY00 Escalation --					

0.88934 [SYS 061400] .88934200 - System

0.88934 [SYS 061400] .88934200 - System

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	1.53175	Dollars
<i>Factors</i> 1531.75 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	696.78	Dollars
<i>Factors</i> 696.775 Dollars					

Activity ID: 1EFC0073 Description: 371T Cluster Stabilization/Hazards Removal

Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0001 - tC557104A	Personnel Relocation	43.00	each	EE	8	344	4.288	9.108	0	13.396	1.511	14.907
0100 - tC557104A	Property Removal	1.00	each	EE	2.126	2.126	78.486	0	0	78.486	27.651	106.137
SYS	Contingency And Escalation	1.00	each	EE	0	0	0	0	18.996	18.996	0	18.996
Total for Activity 1EFC0073:						2.471	82.774	9.108	18.996	110.878	29.162	140.040

Line Item 0001 - tC557104A30 - Personnel Relocation

BOE
 Breakdown of Cost Data: Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99.
 Item - Personnel Move
 Units - Each
 Unit Cost - \$432.35
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	L090 GENERAL LABORER	C233S Building Services	Linear	8.00	Hours
<i>Factors</i> 9 Hrs					
A59 DYNCORP I&ET	0000 NONE	C210S Facilities Mamt & Maintenance	Linear	163.74	Dollars
<i>Factors</i> 180 Dollars 1.02283 -- FY00 Escalation --					

0.88934 [SYS 061400] .88934200 - System

0.88934 [SYS 061400] .88934200 - System

WBS No: 1EFC04
 Activity ID: 1EFC0073

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

A5C	SUPPLIES	0000	NONE	C233S	Building Services	Linear	48.08	Dollars
<i>Factors</i>		53.26	Dollars	1.015	-- FY00 Escalation --			

0.88934 [SYS 061400] .88934200 - System

Line Item 0100 - tC557104A20 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 3190 units that will require disposition.
 Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	C010	CARPENTERS	C211S	Electrical Maintenance	Linear	151.19	Hours
<i>Factors</i>		170	hrs					
0.88934 [SYS 061400] .88934200 - System								
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	C214S	Building Maintenance	Linear	169.86	Hours
<i>Factors</i>		191	hrs					
0.88934 [SYS 061400] .88934200 - System								
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	C213S	HVAC Maintenance	Linear	245.46	Hours
<i>Factors</i>		276	hrs					
0.88934 [SYS 061400] .88934200 - System								
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C101S	Health & Safety	Linear	283.70	Hours
<i>Factors</i>		319	hrs					
0.88934 [SYS 061400] .88934200 - System								
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	C270S	Property Management	Linear	283.70	Hours
<i>Factors</i>		319	hrs					
0.88934 [SYS 061400] .88934200 - System								
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Maint & Maintenance	Linear	992.51	Hours
<i>Factors</i>		1116	hrs					
0.88934 [SYS 061400] .88934200 - System								

Line Item SYS - Contingency And Escalation

BOE

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	12.983	Dollars
<i>Factors</i>		12983	Dollars					
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	6.013.29	Dollars
<i>Factors</i>		6013.29	Dollars					

WBS No: 1EFC05 Title: 663 Cluster Stabilization/Hazard Removal
 Activity ID: 1EFC0075 Description: 690T Cluster Property Removal Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	346	346	12.783	0	0	12.783	4.512	17.295
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	2.585	2.585	0	2.585
Total for Activity 1EFC0075:						346	12.783	0	2.585	15.368	4.512	19.880

Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster

WBS No: 1EFC05
 Activity ID: 1EFC0075

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY *

Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 520 units that will require disposition.
 Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	C211S Electrical Maintenance	Linear	24.01	Hours
Factors	27 hrs					
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	C214S Building Maintenance	Linear	27.57	Hours
Factors	31 hrs					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	C213S HVAC Maintenance	Linear	40.02	Hours
Factors	45 hrs					
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	46.25	Hours
Factors	52 hrs					
	750 STRAIGHT TIME BASE	L090 GENERAL LABORER	C270S Property Management	Linear	46.25	Hours
Factors	52 hrs					
	750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mgmt & Maintenance	Linear	161.86	Hours
Factors	182 hrs					

Line Item SYS - Contingency And Escalation

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	1,776.78	Dollars
Factors	1776.78 Dollars					
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	808.23	Dollars
Factors	808.235 Dollars					

Activity ID: 1EFC0080 Description: 690T Cluster Personnel Relocation

Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0001	Personnel Relocation	5.00	each	EE	8	40	499	1,059	0	1,558	176	1,733
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	272	272	0	272
Total for Activity 1EFC0080:						40	499	1,059	272	1,830	176	2,005

Line Item 0001 - Personnel Relocation

BOE Breakdown of Cost Data: Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99.
 Item - Personnel Move
 Units - Each
 Unit Cost - \$432.35
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1EFC05
 Activity ID: 1EFC0080

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter * Starts In FY *

750	STRAIGHT TIME BASE	L090	GENERAL LABORER	C233S	Building Services	Linear	8.00	Hours
<i>Factors</i> 9 Hrs								
A59	DYNCORP I&ET	0000	NONE	C210S	Facilities Maint & Maintenance	Linear	163.74	Dollars
<i>Factors</i> 180 Dollars 1.02283 -- FY00 Escalation --								
A5C	SUPPLIES	0000	NONE	C233S	Building Services	Linear	48.08	Dollars
<i>Factors</i> 53.26 Dollars 1.015 -- FY00 Escalation --								
0.88934 [SYS 061400] .88934200 - Svsstem								
0.88934 [SYS 061400] .88934200 - Svsstem								

Line Item SYS - Contingency And Escalation

BOE

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	185.96	Dollars
<i>Factors</i> 185.956 Dollars								
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	86.13	Dollars
<i>Factors</i> 86.1256 Dollars								

WBS No: 1EFC07 Title: East Sewage Trtmnt Cluster Stabil./Haz.
Activity ID: 1EFC0088 Description: STP Stabilization / Hazards Removal Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
00001	Deact	1.00	each	HC	1.984	1.984	92.158	423.889	0	516.048	32.071	548.119
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	296.141	296.141	0	296.141
Total for Activity 1EFC0088:						1.984	92.158	423.889	296.141	812.189	32.071	844.260

Line Item 00001 - Deact

BOE
 Historical Data Source - It is believed that the facility can be deactivated using existing personnel and resources that are budgeted for this activity.
 Item Desc - Devaction of the WWTP and associated facilities
 Breakdown of Historical Data:
 Item -
 Units - 1 lot
 Unit Cost -
 Unit Cost Adjustment factor - Previously identified plant projects
 Revised Unit Cost -
 Basis for adjustment -
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	R100S	RMRS Salaried	Linear	650.11	Hours
<i>Factors</i> 731 hours								
0.88934 [SYS 061400] .88934200 - Svsstem								
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	R100S	RMRS Salaried	Linear	978.28	Hours
<i>Factors</i> 1100 hours								
0.88934 [SYS 061400] .88934200 - Svsstem								
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	R100S	RMRS Salaried	Linear	355.74	Hours
<i>Factors</i> 400 HOURS								
0.88934 [SYS 061400] .88934200 - Svsstem								
A5H	SUBCONTRACTED SRVS	0000	NONE	R100S	RMRS Salaried	Linear	244.271.70	Dollars
<i>Factors</i> 268535 Dollars 1.02283 -- FY00 Escalation --								
0.88934 [SYS 061400] .88934200 - Svsstem								
A5H	SUBCONTRACTED SRVS	0000	NONE	R100S	RMRS Salaried	Linear	179.617.70	Dollars
<i>Factors</i> 197459 Dollars 1.02283 -- FY00 Escalation --								
0.88934 [SYS 061400] .88934200 - Svsstem								

Line Item SYS - Contingency And Escalation

BOE

WBS No: 1EFC07
 Activity ID: 1EFC0088

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	211,228.50	Dollars
Factors 211229 Dollars						
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	84,912.13	Dollars
Factors 84912.1 Dollars						

WBS No: 1EFC08 Title: 566/Elect. Substa. Cluster Stabil./Haz.

Activity ID: 1EFC0135	Description: INFELI Cluster Property Removal	Cost Risk	Schedule Risk									
Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	2.235	2,235	54,288	0	0	54,288	15,309	69,597
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	9,938	9,938	0	9,938
Total for Activity 1EFC0135:												
						2,235	54,288	0	9,938	64,225	15,309	79,534

Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are an estimated 618 units that will require disposition.
 Unit Cost - Average cost for one unit of Industrial type 1 property disposal requires .4 hrs RCT; .2 hrs of Haz. Assessment, 2 hrs of Readiness removal, .2 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Srvs Steelworkers	Linear	291.70	Hours
Factors 328 hrs						
0.88934 [SYS 061400] .88934200 - Ssystem						
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Srvs Steelworkers	Linear	329.06	Hours
Factors 370 hrs						
0.88934 [SYS 061400] .88934200 - Ssystem						
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Srvs Steelworkers	Linear	475.80	Hours
Factors 535 hrs						
0.88934 [SYS 061400] .88934200 - Ssystem						
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	198.32	Hours
Factors 223 hrs						
0.88934 [SYS 061400] .88934200 - Ssystem						
	750 STRAIGHT TIME BASE	L090 GENERAL LABORER	KE10H Indust/Site Srvs Steelworkers	Linear	198.32	Hours
Factors 223 hrs						
0.88934 [SYS 061400] .88934200 - Ssystem						
	750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mamt & Maintenance	Linear	192.10	Hours
Factors 216 hrs						
0.88934 [SYS 061400] .88934200 - Ssystem						
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KE10H Indust/Site Srvs Steelworkers	Linear	549.61	Hours
Factors 618 hrs						
0.88934 [SYS 061400] .88934200 - Ssystem						

Line Item SYS - Contingency And Escalation

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	3,255.11	Dollars
Factors 3255.11 Dollars						

WBS No: 1EFC08
 Activity ID: 1EFC0135

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	6.682.42	Dollars
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Factors 6682.42 Dollars

WBS No: 1EFC09 Title: Misc. Buffer Zone Cluster Stabil./Haz. R
 Activity ID: 1EFB0350 Description: INFLFN New Land Fill Cluster Facility Transition Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Facility Transition	1.00	each	EE	2.284	2.284	76.325	16.374	0	92.698	26.561	119.259
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	59.242	59.242	0	59.242
Total for Activity 1EFB0350:						2.284	76.325	16.374	59.242	151.940	26.561	178.502

Line Item 0100 - Facility Transition

BOE
 Estimators Experience - The estimators were consultants hired from ICF Kaiser to develop the facility transition tasks template the template was modified to exclude relocation of personnel and property disposition. The remaining costs are applied on a per building basis in each cluster.
 Breakdown of Cost Data:
 Item - Building Transition
 Units - Per Building, 6 buildings in this cluster.
 Unit Cost - Maintenance Management - 160 Hrs; Carpenters - 74 hrs; Plumbers 74hrs; Electricians - 88 hrs; Env. Compliance - 8; Fire Prot. Eng. - \$1,200; Planning - \$1,800; Safety - 8 hrs.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	C210S Facilities Mamt & Maintenance	Linear	394.87	Hours
Factors 74 hrs	6 buildings		0.88934 [SYS 061400] .88934200 - System		
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	C210S Facilities Mamt & Maintenance	Linear	469.57	Hours
Factors 88 hrs	6 buildings		0.88934 [SYS 061400] .88934200 - System		
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	C210S Facilities Mamt & Maintenance	Linear	394.87	Hours
Factors 74 hrs	6 buildings		0.88934 [SYS 061400] .88934200 - System		
750 STRAIGHT TIME BASE	E050 ENVIRONMENTAL ENGINEERS	C103S Environmental Compliance	Linear	42.69	Hours
Factors 8 hrs	6 buildings		0.88934 [SYS 061400] .88934200 - System		
750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C200S Engineering Services	Linear	42.69	Hours
Factors 8 hrs	6 buildings		0.88934 [SYS 061400] .88934200 - System		
750 STRAIGHT TIME BASE	G010 ADMINISTRATIVE ASSISTANTS	C210S Facilities Mamt & Maintenance	Linear	85.38	Hours
Factors 16 hrs	6 buildings		0.88934 [SYS 061400] .88934200 - System		
750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mamt & Maintenance	Linear	853.77	Hours
Factors 160 hrs	6 buildings		0.88934 [SYS 061400] .88934200 - System		
A53 E-2	0000 NONE	C105S Work Control Center	Linear	9.824.17	Dollars
Factors 1800 \$	6 buildings	1.02283 -- FY00 Escalation --	0.88934 [SYS 061400] .88934200 - System		
A53 E-2	0000 NONE	K252S Engineering	Linear	6.549.45	Dollars
Factors 1200 \$	6 buildings	1.02283 -- FY00 Escalation --	0.88934 [SYS 061400] .88934200 - System		

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1EFC09
 Activity ID: 1EFB0350

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY: *

CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	40,731.51	Dollars
<i>Factors</i> 40731.5 Dollars								
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	18,510.61	Dollars
<i>Factors</i> 18510.6 Dollars								

Activity ID: 1EFC0140 Description: INFELN Property Removal

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	75	75	2,751	0	0	2,751	776	3,526
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	504	504	0	504
Total for Activity 1EFC0140:						75	2,751	0	504	3,254	776	4,030

Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are an estimated 110 units that will require disposition.
 Unit Cost - Average cost for one unit of admin property disposal requires .1 hrs of Haz. Assessment, .2 hrs of Readiness removal, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	5.34	Hours
<i>Factors</i> 6 hrs					
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Svcs Steelworkers	Linear	6.23	Hours
<i>Factors</i> 7 hrs					
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Svcs Steelworkers	Linear	8.89	Hours
<i>Factors</i> 10 hrs					
750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	9.78	Hours
<i>Factors</i> 11 hrs					
750 STRAIGHT TIME BASE	L090 GENERAL LABORER	KE10H Indust/Site Svcs Steelworkers	Linear	9.78	Hours
<i>Factors</i> 11 hrs					
750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mgmt & Maintenance	Linear	34.68	Hours
<i>Factors</i> 39 hrs					

Line Item SYS - Contingency And Escalation

BOE

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	164.93	Dollars
<i>Factors</i> 164.934 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	338.59	Dollars
<i>Factors</i> 338.594 Dollars					

WBS No: 1EFC10 Title: Security Bldgs Cluster Stabil./Haz. Remo

Activity ID: 1EFC0145 Description: SECIZ Cluster Property Removal

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
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WBS No: 1EFC10
 Activity ID: 1EFC0145

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

0100	Property Removal	1.00	each	EE	2,737	2,737	101,044	0	0	101,044	28,494	129,538
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	18,496	18,496	0	18,496
Total for Activity 1EFC0145:						2,737	101,044	0	18,496	119,540	28,494	148,035

Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are an estimated 4106 units that will require disposition.
 Unit Cost - Average cost for one unit of Industrial type 1 property (5% of the material) disposal requires 1.16 hrs RCT; .35 hrs of Haz. Assessment, 1.16 hrs of Readiness removal, .36 Hrs of transportation, .2 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	194.77	Hours
Factors 219 hrs					
0.88934 [SYS 061400] .88934200 - Svsstem					
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Svcs Steelworkers	Linear	218.78	Hours
Factors 246 hrs					
0.88934 [SYS 061400] .88934200 - Svsstem					
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Svcs Steelworkers	Linear	316.61	Hours
Factors 356 hrs					
0.88934 [SYS 061400] .88934200 - Svsstem					
750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	364.63	Hours
Factors 410 hrs					
0.88934 [SYS 061400] .88934200 - Svsstem					
750 STRAIGHT TIME BASE	L090 GENERAL LABORER	KE10H Indust/Site Svcs Steelworkers	Linear	364.63	Hours
Factors 410 hrs					
0.88934 [SYS 061400] .88934200 - Svsstem					
750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mgmt & Maintenance	Linear	1,277.98	Hours
Factors 1437 hrs					
0.88934 [SYS 061400] .88934200 - Svsstem					

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	6,058.64	Dollars
Factors 6058.64 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	12,437.77	Dollars
Factors 12437.8 Dollars					

Activity ID: 1EFC0148 Description: SECIZ Cluster Stabilization/Hazards Removal

Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100 - tC55K104A	Property Removal	1.00	each	EE	2,737	2,737	101,044	0	0	101,044	34,504	135,548
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	63,600	63,600	0	63,600
Total for Activity 1EFC0148:						2,737	101,044	0	63,600	164,644	34,504	199,148

Line Item 0100 - tC55K104A20 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:

WBS No: 1EFC10
 Activity ID: 1EFC0148

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY *

Item - property disposition
 Units - each. There are an estimated 4106 units that will require disposition.
 Unit Cost - Average cost for one unit of Industrial type 1 property (5% of the material) disposal requires 1.16 hrs RCT; .35 hrs of Haz. Assessment, 1.16 hrs of Readiness removal, .36 Hrs of transportation, .2 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Srvs Steelworkers	Linear	194.77	Hours
<i>Factors</i> 219 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Srvs Steelworkers	Linear	218.78	Hours
<i>Factors</i> 246 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Srvs Steelworkers	Linear	316.61	Hours
<i>Factors</i> 356 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	364.63	Hours
<i>Factors</i> 410 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	L090 GENERAL LABORER	KE10H Indust/Site Srvs Steelworkers	Linear	364.63	Hours
<i>Factors</i> 410 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mgmt & Maintenance	Linear	1,277.98	Hours
<i>Factors</i> 1437 hrs					
0.88934 [SYS 061400] .88934200 - System					

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	43,355.54	Dollars
<i>Factors</i> 43355.5 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	20,244.58	Dollars
<i>Factors</i> 20244.6 Dollars					

Activity ID: 1EFC0150

Description: SECIZ Cluster Personnel Relocation

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0001	Personnel Relocation	7.00	each	EE	8	56	698	1,483	0	2,181	243	2,424
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	1,297	1,297	0	1,297
Total for Activity 1EFC0150:						56	698	1,483	1,297	3,477	243	3,720

Line Item 0001 - Personnel Relocation

BOE

Breakdown of Cost Data: Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99.
 Item - Personnel Move
 Units - Each
 Unit Cost - \$432.35
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1EFC10
 Activity ID: 1EFC0150

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	L090	GENERAL LABORER	C233S	Building Services	Linear	8.00	Hours
<i>Factors</i>		9	Hrs					
							0.88934	[SYS 061400] .88934200 - Svsystem
A59	DYNCORP I&ET	0000	NONE	C210S	Facilities Maint & Maintenance	Linear	163.74	Dollars
<i>Factors</i>		180	Dollars	1.02283	-- FY00 Escalation --			
							0.88934	[SYS 061400] .88934200 - Svsystem
A5C	SUPPLIES	0000	NONE	C233S	Building Services	Linear	48.08	Dollars
<i>Factors</i>		53.26	Dollars	1.015	-- FY00 Escalation --			
							0.88934	[SYS 061400] .88934200 - Svsystem

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units		
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	921.06	Dollars
<i>Factors</i>		921.056	Dollars					
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	375.48	Dollars
<i>Factors</i>		375.477	Dollars					

Activity ID: 1EFC0160

Description: SECBZO Cluster Property Removal

Cost Risk 2 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	5.524	5.524	203.848	0	0	203.848	70.939	274.787
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	137.977	137.977	0	137.977
Total for Activity 1EFC0160:						5.524	203.848	0	137.977	341.825	70.939	412.764

Line Item 0100 - Property Removal

BOE

Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 8280 units that will require disposition.
 Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Resources	Cost Element	Skill	Department	Curve	Quantity	Units		
750	STRAIGHT TIME BASE	C010	CARPENTERS	KE10H	Indust/Site Svcs Steelworkers	Linear	393.09	Hours
<i>Factors</i>		442	hrs					
							0.88934	[SYS 061400] .88934200 - Svsystem
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KE10H	Indust/Site Svcs Steelworkers	Linear	442.00	Hours
<i>Factors</i>		497	hrs					
							0.88934	[SYS 061400] .88934200 - Svsystem
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KE10H	Indust/Site Svcs Steelworkers	Linear	638.55	Hours
<i>Factors</i>		718	hrs					
							0.88934	[SYS 061400] .88934200 - Svsystem
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C101S	Health & Safety	Linear	736.38	Hours
<i>Factors</i>		828	hrs					
							0.88934	[SYS 061400] .88934200 - Svsystem
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	KE10H	Indust/Site Svcs Steelworkers	Linear	736.38	Hours
<i>Factors</i>		828	hrs					
							0.88934	[SYS 061400] .88934200 - Svsystem

WBS No: 1EFC10
 Activity ID: 1EFC0160

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Mamt & Maintenance	Linear	2,577.31	Hours
<i>Factors</i>		2898	hrs					

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	95,326.49	Dollars
<i>Factors</i> 95326.5 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	42,650.53	Dollars
<i>Factors</i> 42650.5 Dollars					

Activity ID: 1EFC0165

Description: SECBZO Cluster Facility Transition

Cost Risk 2 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Facility Transition	1.00	each	EE	1.142	1.142	38.162	8.187	0	46,349	13,281	59,630
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	29,941	29,941	0	29,941
Total for Activity 1EFC0165:						1.142	38.162	8.187	29,941	76,291	13,281	89,571

Line Item 0100 - Facility Transition

BOE

Estimators Experience - The estimators were consultants hired from ICF Kaiser to develop the facility transition tasks template the template was modified to exclude relocation of personnel and property disposition. The remaining costs are applied on a per building basis in each cluster.
 Breakdown of Cost Data:
 Item - Building Transition
 Units - Per Building, 3 buildings in this cluster.
 Unit Cost - Maintenance Management - 160 Hrs; Carpenters - 74 hrs; Plumbers 74hrs; Electricians - 88 hrs; Env. Compliance - 8; Fire Prot. Eng. - \$1,200;
 Planning - \$1,800; Safety - 8 hrs.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	197.43	Hours
<i>Factors</i>		74 hrs	3 buildings		
0.88934 [SYS 061400] .88934200 - Svsstem					
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Svcs Steelworkers	Linear	234.79	Hours
<i>Factors</i>		88 hrs	3 buildings		
0.88934 [SYS 061400] .88934200 - Svsstem					
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Svcs Steelworkers	Linear	197.43	Hours
<i>Factors</i>		74 hrs	3 buildings		
0.88934 [SYS 061400] .88934200 - Svsstem					
750 STRAIGHT TIME BASE	E050 ENVIRONMENTAL ENGINEERS	C103S Environmental Compliance	Linear	21.34	Hours
<i>Factors</i>		8 hrs	3 buildings		
0.88934 [SYS 061400] .88934200 - Svsstem					
750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C200S Engineering Services	Linear	21.34	Hours
<i>Factors</i>		8 hrs	3 buildings		
0.88934 [SYS 061400] .88934200 - Svsstem					
750 STRAIGHT TIME BASE	G010 ADMINISTRATIVE ASSISTANTS	C210S Facilities Mamt & Maintenance	Linear	42.69	Hours
<i>Factors</i>		16 hrs	3 buildings		
0.88934 [SYS 061400] .88934200 - Svsstem					
750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mamt & Maintenance	Linear	426.88	Hours
<i>Factors</i>		160 hrs	3 buildings		
0.88934 [SYS 061400] .88934200 - Svsstem					
A53 E-2	0000 NONE	C105S Work Control Center	Linear	4,912.09	Dollars
<i>Factors</i>		1800 \$	3 buildings	1.02283 -- FY00 Escalation --	
0.88934 [SYS 061400] .88934200 - Svsstem					

WBS No: 1EFC10
 Activity ID: 1EFC0165

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY: *

A53	E-2	0000	NONE	K252S	Engineering	Linear	3,274.72	Dollars
<i>Factors</i> 1200 \$		3	buildinas	1.02283 -- FY00 Escalation --				
0.88934 [SYS 061400] .88934200 - System								

Line Item SYS - Contingency And Escalation

BOE

Resources	<i>Cost Element</i>	<i>Skill</i>	<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	20,686.16	Dollars
<i>Factors</i> 20686.2 Dollars						
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	9,255.30	Dollars
<i>Factors</i> 9255.30 Dollars						

Activity ID: 1EFC0170

Description: SECBZI Cluster Property Removal

Cost Risk 2 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	347	347	12,800	0	0	12,800	4,455	17,255
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	8,664	8,664	0	8,664
Total for Activity 1EFC0170:						347	12,800	0	8,664	21,465	4,455	25,919

Line Item 0100 - Property Removal

BOE

Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 520 units that will require disposition.
 Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	<i>Cost Element</i>	<i>Skill</i>	<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
	750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Srvs Steelworkers	Linear	24.90	Hours
<i>Factors</i> 28 hrs						
0.88934 [SYS 061400] .88934200 - System						
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Srvs Steelworkers	Linear	27.57	Hours
<i>Factors</i> 31 hrs						
0.88934 [SYS 061400] .88934200 - System						
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Srvs Steelworkers	Linear	40.02	Hours
<i>Factors</i> 45 hrs						
0.88934 [SYS 061400] .88934200 - System						
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	46.25	Hours
<i>Factors</i> 52 hrs						
0.88934 [SYS 061400] .88934200 - System						
	750 STRAIGHT TIME BASE	L090 GENERAL LABORER	KE10H Indust/Site Srvs Steelworkers	Linear	46.25	Hours
<i>Factors</i> 52 hrs						
0.88934 [SYS 061400] .88934200 - System						
	750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mgmt & Maintenance	Linear	161.86	Hours
<i>Factors</i> 182 hrs						
0.88934 [SYS 061400] .88934200 - System						

Line Item SYS - Contingency And Escalation

BOE

Resources	<i>Cost Element</i>	<i>Skill</i>	<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
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WBS No: 1EFC10
 Activity ID: 1EFC0170

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter * Starts In FY *

CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	5,985.92	Dollars
<i>Factors</i> 5985.92 Dollars								
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	2,678.19	Dollars
<i>Factors</i> 2678.19 Dollars								

Activity ID: 1EFC0175 Description: SECBZI Cluster Facility Transition

Cost Risk 2 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Facility Transition	1.00	each	EE	1.142	1.142	38,162	8,187	0	46,349	13,281	59,630
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	29,941	29,941	0	29,941
Total for Activity 1EFC0175:						1.142	38,162	8,187	29,941	76,291	13,281	89,571

Line Item 0100 - Facility Transition

BOE Estimators Experience - The estimators were consultants hired from ICF Kaiser to develop the facility transition tasks template the template was modified to exclude relocation of personnel and property disposition. The remaining costs are applied on a per building basis in each cluster.
 Breakdown of Cost Data:
 Item - Building Transition
 Units - Per Building, 3 buildings in this cluster.
 Unit Cost - Maintenance Management - 160 Hrs; Carpenters - 74 hrs; Plumbers 74hrs; Electricians - 88 hrs; Env. Compliance - 8; Fire Prot. Eng. - \$1,200;
 Planning - \$1,800; Safety - 8 hrs.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	197.43	Hours
<i>Factors</i> 74 hrs	3 buildings				
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Svcs Steelworkers	Linear	234.79	Hours
<i>Factors</i> 88 hrs	3 buildings				
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Svcs Steelworkers	Linear	197.43	Hours
<i>Factors</i> 74 hrs	3 buildings				
750 STRAIGHT TIME BASE	E050 ENVIRONMENTAL ENGINEERS	C103S Environmental Compliance	Linear	21.34	Hours
<i>Factors</i> 8 hrs	3 buildings				
750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C200S Engineering Services	Linear	21.34	Hours
<i>Factors</i> 8 hrs	3 buildings				
750 STRAIGHT TIME BASE	G010 ADMINISTRATIVE ASSISTANTS	C210S Facilities Mamt & Maintenance	Linear	42.69	Hours
<i>Factors</i> 16 hrs	3 buildings				
750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mamt & Maintenance	Linear	426.88	Hours
<i>Factors</i> 160 hrs	3 buildings				
A53 E-2	0000 NONE	C105S Work Control Center	Linear	4,912.09	Dollars
<i>Factors</i> 1800 \$	3 buildings	1.02283 -- FY00 Escalation --			
A53 E-2	0000 NONE	K252S Engineering	Linear	3,274.72	Dollars
<i>Factors</i> 1200 \$	3 buildings	1.02283 -- FY00 Escalation --			

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1EFC10
 Activity ID: 1EFC0175

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY: *

CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	20,686.16	Dollars
<i>Factors</i> 20686.2 Dollars								
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	9,255.30	Dollars
<i>Factors</i> 9255.30 Dollars								

Activity ID: 1EFC0178 Description: Deactivation SECBZO CLuster

Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
SECBZO3001	Deactivation Authorization Basis	1.00	ea		374	374	13,300	0	0	13,300	4,629	17,929
SECBZO4001	Facility Walk Down	1.00	ea		623	623	18,243	0	0	18,243	6,349	24,592
SECBZO4002	Initial Facility Surveys	1.00	ea		36	36	738	0	0	738	257	995
SECBZO4003	Perform Davis-Bacon Determination	1.00	ea		18	18	608	0	0	608	380	989
SECBZO5001	Setup Support Areas	1.00	ea		125	125	2,288	2,708	0	4,997	796	5,793
SECBZO6201	Physical Deactivation - Office Space	3.10	msf		19	60	1,176	0	0	1,176	409	1,585
SECBZO6601	Remove Confidential Materials	3.10	msf		3	10	234	0	0	234	82	316
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	26,267	26,267	0	26,267
Total for Activity 1EFC0178:						1,244	36,588	2,708	26,267	65,564	12,901	78,465

Line Item SECBZO3001 - Deactivation Authorization Basis

BOE These estimates are based on the activities used for deactivation of Building 779 in the FY97 plan.
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E040	ELECTRICAL ENGINEERS	R100S	RMRS Salaried	Linear 35.57 Hours
<i>Factors</i> 40 Hours						
0.88934 [SYS 061400] .88934200 - System						
750	STRAIGHT TIME BASE	E070	MECHANICAL ENGINEERS	R100S	RMRS Salaried	Linear 35.57 Hours
<i>Factors</i> 40 Hours						
0.88934 [SYS 061400] .88934200 - System						
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	R100S	RMRS Salaried	Linear 88.93 Hours
<i>Factors</i> 100 Hours						
0.88934 [SYS 061400] .88934200 - System						
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	R100S	RMRS Salaried	Linear 106.72 Hours
<i>Factors</i> 120 Hours						
0.88934 [SYS 061400] .88934200 - System						
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	R100S	RMRS Salaried	Linear 106.72 Hours
<i>Factors</i> 120 Hours						
0.88934 [SYS 061400] .88934200 - System						

Line Item SECBZO4001 - Facility Walk Down

BOE These estimates are based on the activities used for deactivation of Building 779 in the FY97 plan.
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	R100S	RMRS Salaried	Linear 177.87 Hours
<i>Factors</i> 200 Hours						
0.88934 [SYS 061400] .88934200 - System						
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	R100S	RMRS Salaried	Linear 88.93 Hours
<i>Factors</i> 100 Hours						
0.88934 [SYS 061400] .88934200 - System						
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	R100S	RMRS Salaried	Linear 355.74 Hours
<i>Factors</i> 400 Hours						
0.88934 [SYS 061400] .88934200 - System						

Line Item SECBZO4002 - Initial Facility Surveys

BOE These estimates are based on the activities used for deactivation of building 779 in the FY97 plan.

WBS No: 1EFC10
 Activity ID: 1EFC0178

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	R100S RMRS Salaried	Linear	35.57	Hours
	Factors 40	Hours				

0.88934 [SYS 061400] .88934200 - System

Line Item SECBZO4003 - Perform Davis-Bacon Determination

BOE This line item is based upon the resources projected in the Davis-Bacon determination for deactivating Cluster 779.
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	K777C Construction	Linear	17.79	Hours
	Factors 20	Hours				

0.88934 [SYS 061400] .88934200 - System

Line Item SECBZO5001 - Setup Support Areas

BOE These estimates are based on professional judgment and experience. Material handlers will be responsible for moving office equipment, and reconfiguring available space. Managerial and administrative resources for this activity are accounted for under the project planning and management activity.
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I/CBLFAB.DSP.	R100S RMRS Salaried	Linear	124.51	Hours
	Factors 140	Hours				

0.88934 [SYS 061400] .88934200 - System

	A5C SUPPLIES	0000 NONE	R100S RMRS Salaried	Linear	2,708.05	Dollars
	Factors 3000	Dollars	1.015 -- FY00 Escalation --			

0.88934 [SYS 061400] .88934200 - System

Line Item SECBZO6201 - Physical Deactivation - Office Space

BOE Step 1 - Moving the desks and other equipment to a truck
 Assume 15 minutes to load cart, 10 min. to maneuver, 5 min. to unload = 0.5 hrs of labor hours (L050).
 Assume each load uses 6x4x5 or 120 sqft of truck space, and that each truck holds 17x8x10 or 1360 sqft of cargo for a total load of 11 cubicels per truck.
 For each truck load, assume 15 minutes maneuver, 30 minutes to unload, and 10 minutes to return for a total of 55 minutes per 11 cubicels or 0.08hrs per cube for movers and truck drivers (L050 & L070).

Step 2 - Removing electrical and network connections
 Assume 15 minutes to remove component connections (i.e., outlets), 10 minutes to bale wire, and assume 10 minutes to pull ceiling runs for a total of 25 minutes per cube of electricians time.

Step 3 - Dismantling remaining cubicle components
 Assume 10 minutes to disconnect cubicle walls, assume a loading time that is the same as desks, and that each load occupies 5x8x2 or 80 sq. ft., for a truck load of 17 cubicels.

Step 4 - Removal of remaining services
 Assume 1 hour of plumbers time and 1 hour of electricians time for every building.

Summary:
 Movers - L050; 0.5 hours per cube = 0.0083 hrs/sqft; moving desks
 Movers - L050; 0.08 hours per cube = 0.0013 hrs/sqft; loading/unloading desks
 Movers - L050; 0.15 hours per cube = 0.0025 hrs/sqft; dismantling cubicle walls
 Movers - L050; Total = 0.0121 hrs/sqft.
 Drivers - L070; 0.08 hours per cube = 0.0013 hrs/sqft; moving desks
 Drivers - L070; 0.08 hours per cube = 0.0013 hrs/sqft; moving cubicle walls
 Drivers - L070; Total = 0.0026 hrs/sqft
 Electricians - C020; 0.42 hours per cube = 0.0069 hrs/sqft; dewiring space
 Electricians - C020; 0.0001 hour per building
 Plumbers - C080; 0.0001 hour per building

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

WBS No: 1EFC10
 Activity ID: 1EFC0178

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	C211S Electrical Maintenance	Linear	6.23	Hours
Factors	7 Hours					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	C211S Electrical Maintenance	Linear	0.09	Hours
Factors	0.1 Hours					
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	C211S Electrical Maintenance	Linear	10.76	Hours
Factors	12.1 Hours					
	750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	C211S Electrical Maintenance	Linear	2.31	Hours
Factors	2.6 Hours					
				0.88934 [SYS 061400] .88934200 - Svstem		

Line Item SECBZO6601 - Remove Confidential Materials

BOE
 Assume 8 hour work day
 Using 1,000 sq. ft. as the base value assume the following crew mix:

 Quality Control Engineer - Assume 0.10 hrs/1000 sq. ft.
 Industrial Hygienist - Assume 0.25 hrs/1000 sq. ft.
 Other Admin/Professional - Assume 0.10 hrs/1000 sq. ft.
 First Line Supervisor - Assume 0.25 hrs/1000 sq. ft.
 General Material Laborers - Assume 0.50 hrs/1000 sq. ft.
 Light Vehicle Driver - Assume 0.25 hrs/1000 sq. ft.
 Other Engineer - Assume 0.25 hrs/1000 sq. ft.
 Other Technician - - Assume 2.0 hrs/1000 sq. ft.

 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	R100S RMRS Salaried	Linear	0.09	Hours
Factors	0.1 Hours					
	750 STRAIGHT TIME BASE	E130 OTHER ENGINEERS	R100S RMRS Salaried	Linear	0.22	Hours
Factors	0.25 Hours					
	750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP)	C211S Electrical Maintenance	Linear	0.44	Hours
Factors	0.5 Hours					
	750 STRAIGHT TIME BASE	L070 MISSION SUP SPEC III	C211S Electrical Maintenance	Linear	0.22	Hours
Factors	0.25 Hours					
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	C211S Electrical Maintenance	Linear	0.22	Hours
Factors	0.25 Hours					
	750 STRAIGHT TIME BASE	P090 INDUSTRIAL HYGIENISTS	C211S Electrical Maintenance	Linear	0.22	Hours
Factors	0.25 Hours					
	750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	R100S RMRS Salaried	Linear	0.09	Hours
Factors	0.1 Hours					
	750 STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	R100S RMRS Salaried	Linear	1.78	Hours
Factors	2 Hours					
				0.88934 [SYS 061400] .88934200 - Svstem		

Line Item SYS - Contingency And Escalation

BOE

WBS No: 1EFC10
 Activity ID: 1EFC0178

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	18.152.81	Dollars
<i>Factors</i> 18152.8 Dollars						
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	8.114.49	Dollars
<i>Factors</i> 8114.49 Dollars						

WBS No: 1EFC11 Title: 125 Cluster Stabilization/Hazard Removal

Activity ID: 1EFC0185 Description: INFWTN Property Removal

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	309	309	7.735	0	0	7.735	2.676	10.411
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	2.886	2.886	0	2.886
Total for Activity 1EFC0185:						309	7.735	0	2.886	10.621	2.676	13.298

Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are an estimated 110 units that will require disposition.
 Unit Cost - Average cost for one unit of Industrial type 1 property disposal requires .4 hrs RCT; .2 hrs of Haz. Assessment, 2 hrs of Readiness removal, .2 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	52.47	Hours
<i>Factors</i> 59 hrs						
0.88934 [SYS 061400] .88934200 - Svstem						
750	STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Svcs Steelworkers	Linear	58.70	Hours
<i>Factors</i> 66 hrs						
0.88934 [SYS 061400] .88934200 - Svstem						
750	STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Svcs Steelworkers	Linear	84.49	Hours
<i>Factors</i> 95 hrs						
0.88934 [SYS 061400] .88934200 - Svstem						
750	STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safetv	Linear	19.57	Hours
<i>Factors</i> 22 hrs						
0.88934 [SYS 061400] .88934200 - Svstem						
750	STRAIGHT TIME BASE	L090 GENERAL LABORER	KE10H Indust/Site Svcs Steelworkers	Linear	19.57	Hours
<i>Factors</i> 22 hrs						
0.88934 [SYS 061400] .88934200 - Svstem						
750	STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mgmt & Maintenance	Linear	34.68	Hours
<i>Factors</i> 39 hrs						
0.88934 [SYS 061400] .88934200 - Svstem						
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KE10H Indust/Site Svcs Steelworkers	Linear	39.13	Hours
<i>Factors</i> 44 hrs						
0.88934 [SYS 061400] .88934200 - Svstem						

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	2.088.06	Dollars
<i>Factors</i> 2088.06 Dollars						

WBS No: 1EFC11
 Activity ID: 1EFC0185

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	798.38	Dollars
Factors 798.377 Dollars								

Activity ID: 1EFC0190 Description: INFWTI Cluster Property Removal

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	6.206	6.206	155.322	0	0	155.322	54.052	209.374
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	104.007	104.007	0	104.007
Total for Activity 1EFC0190:						6.206	155.322	0	104.007	259.328	54.052	313.381

Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are an estimated 2216 units that will require disposition.
 Unit Cost - Average cost for one unit of Industrial type 1 property disposal requires 1.16 hrs RCT; .35 hrs of Haz. Assessment, 1.16 hrs of Readiness removal, .36 Hrs of transportation, .2 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	1,050.31	Hours
Factors 1181 hrs					
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Svcs Steelworkers	Linear	1,181.94	Hours
Factors 1329 hrs					
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Svcs Steelworkers	Linear	1,707.54	Hours
Factors 1920 hrs					
750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	393.98	Hours
Factors 443 hrs					
750 STRAIGHT TIME BASE	L090 GENERAL LABORER	KE10H Indust/Site Svcs Steelworkers	Linear	393.98	Hours
Factors 443 hrs					
750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mgmt & Maintenance	Linear	690.13	Hours
Factors 776 hrs					
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KE10H Indust/Site Svcs Steelworkers	Linear	787.96	Hours
Factors 886 hrs					

Line Item SYS - Contingency And Escalation

BOE

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	71,508.98	Dollars
Factors 71509 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	32,497.56	Dollars
Factors 32497.6 Dollars					

Activity ID: 1EFC0195 Description: INFWTI Cluster Personnel Relocation

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
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WBS No: 1EFC11
 Activity ID: 1EFC0195

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

0001	Personnel Relocation	2.00	each	EE	8	16	199	424	0	623	69	693
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	344	344	0	344
Total for Activity 1EFC0195:						16	199	424	344	967	69	1,037

Line Item 0001 - Personnel Relocation

BOE
 Breakdown of Cost Data: Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99.
 Item - Personnel Move
 Units - Each
 Unit Cost - \$432.35
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	L090 GENERAL LABORER	C233S Building Services	Linear	8.00	Hours
Factors 9 Hrs					
A59 DYNACORP I&ET	0000 NONE	C210S Facilities Mgmt & Maintenance	Linear	163.74	Dollars
Factors 180 Dollars 1.02283 -- FY00 Escalation --					
A5C SUPPLIES	0000 NONE	C233S Building Services	Linear	48.08	Dollars
Factors 53.26 Dollars 1.015 -- FY00 Escalation --					

0.88934 [SYS 061400] .88934200 - Svsstem
 0.88934 [SYS 061400] .88934200 - Svsstem

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	236.51	Dollars
Factors 236.515 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	107.49	Dollars
Factors 107.485 Dollars					

WBS No: 1EFC12 Title: 750 Cluster Stabilization/Hazard Removal

Activity ID: 1EFC0200 Description: 750 Cluster Property Removal

Cost Risk 2 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	9,281	9,281	342,537	0	0	342,537	118,518	461,055
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	129,105	129,105	0	129,105
Total for Activity 1EFC0200:						9,281	342,537	0	129,105	471,642	118,518	590,160

Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 13916 units that will require disposition.
 Unit Cost - Average cost for one unit of admin. property disposal requires .10 hrs of Haz. Assessment, .2 hrs of Readiness removal, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	659.89	Hours
Factors 742 hrs					

0.88934 [SYS 061400] .88934200 - Svsstem

WBS No: 1EFC12
 Activity ID: 1EFC0200

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter * Starts In FY *

750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KE10H	Indust/Site Svcs Steelworkers	Linear	741.71	Hours
							0.88934	[SYS 061400] .88934200 - Svsstem
<i>Factors</i> 834 hrs								
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KE10H	Indust/Site Svcs Steelworkers	Linear	1,072.55	Hours
							0.88934	[SYS 061400] .88934200 - Svsstem
<i>Factors</i> 1206 hrs								
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C101S	Health & Safety	Linear	1,237.96	Hours
							0.88934	[SYS 061400] .88934200 - Svsstem
<i>Factors</i> 1392 hrs								
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	KE10H	Indust/Site Svcs Steelworkers	Linear	1,237.96	Hours
							0.88934	[SYS 061400] .88934200 - Svsstem
<i>Factors</i> 1392 hrs								
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Mgmt & Maintenance	Linear	4,331.10	Hours
							0.88934	[SYS 061400] .88934200 - Svsstem
<i>Factors</i> 4870 hrs								

Line Item SYS - Contingency And Escalation

BOE

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	93,749.20	Dollars
<i>Factors</i> 93749.2 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	35,356.09	Dollars
<i>Factors</i> 35356.1 Dollars					

Activity ID: 1EFC0205

Description: 750 Cluster Personnel Relocation

Cost Risk 2 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0001	Personnel Relocation	196.00	each	EE	8	1,569	19,547	41,515	0	61,063	6,763	67,826
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	18,993	18,993	0	18,993
Total for Activity 1EFC0205:						1,569	19,547	41,515	18,993	80,055	6,763	86,819

Line Item 0001 - Personnel Relocation

BOE

Estimators Experience -
Experience Item Desc -
Breakdown of Cost Data: Item - Personnel Move Units - Each Unit Cost - \$432.35 Unit Cost Adjustment factor - None Revised Unit Cost - None Basis for adjustment - None
This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	L090 GENERAL LABORER	C233S Building Services	Linear	8.00	Hours
<i>Factors</i> 9 Hrs					
A59 DYNACORP I&ET	0000 NONE	C210S Facilities Mgmt & Maintenance	Linear	163.74	Dollars
<i>Factors</i> 180 Dollars 1.02283 -- FY00 Escalation --					
0.88934 [SYS 061400] .88934200 - Svsstem					

WBS No: 1EFC12
 Activity ID: 1EFC0205

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

A5C	SUPPLIES	0000	NONE	C233S	Building Services	Linear	48.08	Dollars
<i>Factors</i> 53.26 Dollars		1.015 -- FY00 Escalation --				0.88934 [SYS 061400] .88934200 - System		

Line Item SYS - Contingency And Escalation

BOE

<i>Resources</i>		<i>Cost Element</i>	<i>Skill</i>	<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	13.791.49
<i>Factors</i> 13791.5 Dollars							
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	5.201.25
<i>Factors</i> 5201.25 Dollars							

Activity ID: 1EFC0210 Description: 750 Cluster Stabilization/Hazards Removal

Cost Risk 2 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0001 - tH568103B	Personnel Relocation	196.00	each	EE	8	1.569	19.547	41.515	0	61.063	6.763	67.826
0100	Facility Transition	1.00	each	EE	4.568	4.568	152.650	32.747	0	185.397	52.817	238.213
0100 - tH568103B	Property Removal	1.00	each	EE	9.281	9.281	342.537	0	0	342.537	118.518	461.055
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	214.803	214.803	0	214.803
Total for Activity 1EFC0210:						15.418	514.734	74.263	214.803	803.799	178.098	981.897

Line Item 0001 - tH568103B30 - Personnel Relocation

BOE

Estimators Experience -
Experience Item Desc -
Breakdown of Cost Data: Item - Personnel Move Units - Each Unit Cost - \$432.35 Unit Cost Adjustment factor - None Revised Unit Cost - None Basis for adjustment - None
This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

<i>Resources</i>		<i>Cost Element</i>	<i>Skill</i>	<i>Department</i>	<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	C233S	Building Services	Linear	8.00
<i>Factors</i> 9 Hrs						0.88934 [SYS 061400] .88934200 - System	
A59	DYNCORP I&ET	0000	NONE	C210S	Facilities Mamt & Maintenance	Linear	163.74
<i>Factors</i> 180 Dollars		1.02283 -- FY00 Escalation --				0.88934 [SYS 061400] .88934200 - System	
A5C	SUPPLIES	0000	NONE	C233S	Building Services	Linear	48.08
<i>Factors</i> 53.26 Dollars		1.015 -- FY00 Escalation --				0.88934 [SYS 061400] .88934200 - System	

Line Item 0100 - Facility Transition

BOE

Estimators Experience - The estimators were consultants hired from ICF Kaiser to develop the facility transition tasks template the template was modified to exclude relocation of personnel and property disposition. The remaining costs are applied on a per building basis in each cluster.
Breakdown of Cost Data: Item - Building Transition Units - Per Building, 12 buildings in this cluster. Unit Cost - Maintenance Management - 160 Hrs; Carpenters - 74 hrs; Plumbers 74hrs; Electricians - 88 hrs; Env. Compliance - 8; Fire Prot. Eng. - \$1,200; Planning - \$1,800; Safety - 8 hrs. Unit Cost Adjustment factor - None Revised Unit Cost - None

WBS No: 1EFC12
 Activity ID: 1EFC0210

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	C210S Facilities Mamt & Maintenance	Linear	789.74	Hours
Factors 74 hrs	12 buildings				
0.88934 [SYS 061400] .88934200 - Ssystem					
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	C210S Facilities Mamt & Maintenance	Linear	939.15	Hours
Factors 88 hrs	12 buildings				
0.88934 [SYS 061400] .88934200 - Ssystem					
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	C210S Facilities Mamt & Maintenance	Linear	789.74	Hours
Factors 74 hrs	12 buildings				
0.88934 [SYS 061400] .88934200 - Ssystem					
750 STRAIGHT TIME BASE	E050 ENVIRONMENTAL ENGINEERS	C103S Environmental Compliance	Linear	85.38	Hours
Factors 8 hrs	12 buildings				
0.88934 [SYS 061400] .88934200 - Ssystem					
750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C200S Engineering Services	Linear	85.38	Hours
Factors 8 hrs	12 buildings				
0.88934 [SYS 061400] .88934200 - Ssystem					
750 STRAIGHT TIME BASE	G010 ADMINISTRATIVE ASSISTANTS	C210S Facilities Mamt & Maintenance	Linear	170.75	Hours
Factors 16 hrs	12 buildings				
0.88934 [SYS 061400] .88934200 - Ssystem					
750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mamt & Maintenance	Linear	1,707.54	Hours
Factors 160 hrs	12 buildings				
0.88934 [SYS 061400] .88934200 - Ssystem					
A53 E-2	0000 NONE	C105S Work Control Center	Linear	19,648.35	Dollars
Factors 1800 \$	12 buildings	1.02283 -- FY00 Escalation --			
0.88934 [SYS 061400] .88934200 - Ssystem					
A53 E-2	0000 NONE	K252S Engineering	Linear	13,098.90	Dollars
Factors 1200 \$	12 buildings	1.02283 -- FY00 Escalation --			
0.88934 [SYS 061400] .88934200 - Ssystem					

Line Item 0100 - tH568103B20 - Property Removal

BOE

Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 13916 units that will require disposition.
 Unit Cost - Average cost for one unit of admin. property disposal requires .10 hrs of Haz. Assessment, .2 hrs of Readiness removal, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	C211S Electrical Maintenance	Linear	659.89	Hours
Factors 742 hrs					
0.88934 [SYS 061400] .88934200 - Ssystem					
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	C214S Building Maintenance	Linear	741.71	Hours
Factors 834 hrs					
0.88934 [SYS 061400] .88934200 - Ssystem					
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	C213S HVAC Maintenance	Linear	1,072.55	Hours
Factors 1206 hrs					
0.88934 [SYS 061400] .88934200 - Ssystem					

WBS No: 1EFC12
 Activity ID: 1EFC0210

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY: *

750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C101S	Health & Safety	Linear	1,237.96	Hours
<i>Factors</i> 1392 hrs								
						0.88934	[SYS 061400]	.88934200 - System
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	C270S	Property Management	Linear	1,237.96	Hours
<i>Factors</i> 1392 hrs								
						0.88934	[SYS 061400]	.88934200 - System
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Mgmt & Maintenance	Linear	4,331.10	Hours
<i>Factors</i> 4870 hrs								
						0.88934	[SYS 061400]	.88934200 - System

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units		
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	155,978.20	Dollars
<i>Factors</i> 155978 Dollars								
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	58,824.80	Dollars
<i>Factors</i> 58824.8 Dollars								

WBS No: 1EFC14 Title: 566 Cluster Stabilization/Hazard Removal
 Activity ID: 1EFC0215 Description: 566 Cluster Property Removal Cost Risk 2 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	2.142	2.142	79.073	0	0	79.073	27.913	106.986
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	16.155	16.155	0	16.155
Total for Activity 1EFC0215:						2.142	79.073	0	16.155	95.228	27.913	123.141

Line Item 0100 - Property Removal

BOE

Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 3214 units that will require disposition.
 Unit Cost - Average cost for one unit of admin. property disposal requires .10 hrs of Haz. Assessment, .2 hrs of Readiness removal, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units		
750	STRAIGHT TIME BASE	C010	CARPENTERS	KE10H	Indust/Site Svcs Steelworkers	Linear	152.08	Hours
<i>Factors</i> 171 hrs								
						0.88934	[SYS 061400]	.88934200 - System
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KE10H	Indust/Site Svcs Steelworkers	Linear	170.75	Hours
<i>Factors</i> 192 hrs								
						0.88934	[SYS 061400]	.88934200 - System
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KE10H	Indust/Site Svcs Steelworkers	Linear	247.24	Hours
<i>Factors</i> 278 hrs								
						0.88934	[SYS 061400]	.88934200 - System
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C101S	Health & Safety	Linear	285.48	Hours
<i>Factors</i> 321 hrs								
						0.88934	[SYS 061400]	.88934200 - System
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	KE10H	Indust/Site Svcs Steelworkers	Linear	285.48	Hours
<i>Factors</i> 321 hrs								
						0.88934	[SYS 061400]	.88934200 - System

WBS No: 1EFC14
 Activity ID: 1EFC0215

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY: *

750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Mgmt & Maintenance	Linear	1,000.51	Hours
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Factors 1125 hrs

0.88934 [SYS 061400] .88934200 - System

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	11,155.61	Dollars
Factors 11155.6 Dollars						
ESC	ESCALATION	0000 NONE	ZDEPT No Department	Linear	4,999.61	Dollars
Factors 4999.61 Dollars						

Activity ID: 1EFC0220 Description: 566 Cluster Personnel Relocation

Cost Risk 2 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0001	Personnel Relocation	7.00	each	EE	8	56	698	1,483	0	2,181	246	2,427
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	367	367	0	367
Total for Activity 1EFC0220:						56	698	1,483	367	2,547	246	2,794

Line Item 0001 - Personnel Relocation

BOE

Estimators Experience -

 Experience Item Desc -

 Breakdown of Cost Data:
 Item - Personnel Move
 Units - Each
 Unit Cost - \$432.35
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	L090 GENERAL LABORER	C233S Building Services	Linear	8.00	Hours
Factors 9 Hrs						
A59	DYNCORP I&ET	0000 NONE	C210S Facilities Mgmt & Maintenance	Linear	163.74	Dollars
Factors 180 Dollars 1.02283 -- FY00 Escalation --						
A5C	SUPPLIES	0000 NONE	C233S Building Services	Linear	48.08	Dollars
Factors 53.26 Dollars 1.015 -- FY00 Escalation --						

0.88934 [SYS 061400] .88934200 - System

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	253.09	Dollars
Factors 253.092 Dollars						
ESC	ESCALATION	0000 NONE	ZDEPT No Department	Linear	113.43	Dollars
Factors 113.429 Dollars						

WBS No: 1EFC15 Title: Site Services Cluster Stab./Hazard Rem.

Activity ID: 1EFC0225 Description: INFGAS Cluster Property Removal

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE	Labor	Labor Hours	Labor Cost	Materials/ Sub	Contingency	Total Prime	Burden Cost	Total Cost
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WBS No: 1EFC15
 Activity ID: 1EFC0225

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *
 Cost & Escalation *
 Starts In FY *

			Type	Hours/Unit	Total	Total	Total	Cost	& Escalation	Cost	Starts In FY	*
0100	Property Removal	1.00	each	EE	206	206	5,172	0	0	5,172	1,800	6,971
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	3,463	3,463	0	3,463
Total for Activity 1EFC0225:					206	206	5,172	0	3,463	8,635	1,800	10,434

Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are an estimated 74 units that will require disposition.
 Unit Cost - Average cost for one unit of Industrial type 1 property disposal requires .4 hrs RCT; .2 hrs of Haz. Assessment, 2 hrs of Readiness removal, .2 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	34.68	Hours
Factors 39 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Svcs Steelworkers	Linear	39.13	Hours
Factors 44 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Svcs Steelworkers	Linear	56.92	Hours
Factors 64 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	13.34	Hours
Factors 15 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	L090 GENERAL LABORER	KE10H Indust/Site Svcs Steelworkers	Linear	13.34	Hours
Factors 15 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mamt & Maintenance	Linear	23.12	Hours
Factors 26 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KE10H Indust/Site Svcs Steelworkers	Linear	25.79	Hours
Factors 29 hrs					
0.88934 [SYS 061400] .88934200 - System					

Line Item SYS - Contingency And Escalation

BOE

Cost Element	Skill	Department	Curve	Quantity	Units
CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	2,380.94	Dollars
Factors 2380.94 Dollars					
ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	1,082.03	Dollars
Factors 1082.03 Dollars					

Activity ID: 1EFC0230 Description: INFSTM Cluster Ind 1 Property Removal

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	12,316	12,316	308,209	0	0	308,209	106,640	414,850
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	115,016	115,016	0	115,016
Total for Activity 1EFC0230:						12,316	308,209	0	115,016	423,225	106,640	529,865

WBS No: 1EFC15
 Activity ID: 1EFC0230

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY *

Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 4397 units that will require disposition.
 Unit Cost - Average cost for one unit of Industrial type 1 property disposal requires .4 hrs RCT; .2 hrs of Haz. Assessment, 2 hrs of Readiness removal, .2 Hrs of material handling, and .35 hrs admin support.
 Industrial type 3 property (5% of the material) disposal requires .75 hrs RCT; .5 hrs of Haz. Assessment, 25 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C010 CARPENTERS	KE10H Indust/Site Svcs Steelworkers	Linear	2,085.51	Hours
Factors 2345 hrs						
750	STRAIGHT TIME BASE	C020 ELECTRICIANS	KE10H Indust/Site Svcs Steelworkers	Linear	2,346.08	Hours
Factors 2638 hrs						
750	STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KE10H Indust/Site Svcs Steelworkers	Linear	3,388.39	Hours
Factors 3810 hrs						
750	STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	781.73	Hours
Factors 879 hrs						
750	STRAIGHT TIME BASE	L090 GENERAL LABORER	KE10H Indust/Site Svcs Steelworkers	Linear	781.73	Hours
Factors 879 hrs						
750	STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Maint & Maintenance	Linear	1,368.70	Hours
Factors 1539 hrs						
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KE10H Indust/Site Svcs Steelworkers	Linear	1,563.46	Hours
Factors 1758 hrs						

Line Item SYS - Contingency And Escalation

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	83,202.88	Dollars
Factors 83202.9 Dollars						
ESC	ESCALATION	0000 NONE	ZDEPT No Department	Linear	31,812.86	Dollars
Factors 31812.9 Dollars						

Activity ID: 1EFC0233 Description: INFSTM Cluster Stabilization/Hazards Removal

Cost Risk 2 Schedule Risk 4

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100 - tC55R104A	Property Removal	1.00	each	EE	12.316	12.316	308,209	0	0	308,209	104,146	412,356
0100 - tC55R104A	Property Removal	1.00	each	EE	5.527	5.527	120,736	0	0	120,736	40,798	161,534
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	140,613	140,613	0	140,613
Total for Activity 1EFC0233:						17.843	428,945	0	140,613	569,559	144,944	714,503

Line Item 0100 - tC55R104A20 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.

WBS No: 1EFC15
 Activity ID: 1EFC0233

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
 WBS Filter 1EFC
 Activity Filter *

Starts In FY *

Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 4397 units that will require disposition.
 Unit Cost - Average cost for one unit of Industrial type 1 property disposal requires .4 hrs RCT; .2 hrs of Haz. Assessment, 2 hrs of Readiness removal, .2 Hrs of material handling, and .35 hrs admin support.
 Industrial type 3 property (5% of the material) disposal requires .75 hrs RCT; .5 hrs of Haz. Assessment, 25 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	C211S Electrical Maintenance	Linear	2,085.51	Hours
<i>Factors</i> 2345 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	C214S Building Maintenance	Linear	2,346.08	Hours
<i>Factors</i> 2638 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	C213S HVAC Maintenance	Linear	3,388.39	Hours
<i>Factors</i> 3810 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	E120 SAFETY ENGINEERS	C101S Health & Safety	Linear	781.73	Hours
<i>Factors</i> 879 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	L090 GENERAL LABORER	C270S Property Management	Linear	781.73	Hours
<i>Factors</i> 879 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	C210S Facilities Mgmt & Maintenance	Linear	1,368.70	Hours
<i>Factors</i> 1539 hrs					
0.88934 [SYS 061400] .88934200 - System					
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	C270S Property Management	Linear	1,563.46	Hours
<i>Factors</i> 1758 hrs					
0.88934 [SYS 061400] .88934200 - System					

Line Item 0100 - tC55R104A25 - Property Removal

BOE

Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 231 units that will require disposition.
 Unit Cost -
 Industrial type 3 property disposal requires .75 hrs RCT; .5 hrs of Haz. Assessment, 25 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	C010 CARPENTERS	C211S Electrical Maintenance	Linear	1,369.59	Hours
<i>Factors</i> 1540 hrs					
0.88934 [SYS 061400] .88934200 - System					

WBS No: 1EFC15
 Activity ID: 1EFC0233

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY: *

750	STRAIGHT TIME BASE	C020	ELECTRICIANS	C214S	Building Maintenance	Linear	1,541.23	Hours
<i>Factors</i> 1733 hrs								
						0.88934	[SYS 061400]	.88934200 - Svsstem
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	C213S	HVAC Maintenance	Linear	2,226.02	Hours
<i>Factors</i> 2503 hrs								
						0.88934	[SYS 061400]	.88934200 - Svsstem
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C101S	Health & Safety	Linear	103.16	Hours
<i>Factors</i> 116 hrs								
						0.88934	[SYS 061400]	.88934200 - Svsstem
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	C270S	Property Management	Linear	20.45	Hours
<i>Factors</i> 23 hrs								
						0.88934	[SYS 061400]	.88934200 - Svsstem
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Mgmt & Maintenance	Linear	72.04	Hours
<i>Factors</i> 81 hrs								
						0.88934	[SYS 061400]	.88934200 - Svsstem
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C242S	Transportation	Linear	40.91	Hours
<i>Factors</i> 46 hrs								
						0.88934	[SYS 061400]	.88934200 - Svsstem
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	C270S	Property Management	Linear	153.86	Hours
<i>Factors</i> 173 hrs								
						0.88934	[SYS 061400]	.88934200 - Svsstem

Line Item SYS - Contingency And Escalation

BOE									
Resources									
<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>	
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	95,260.39	Dollars	
<i>Factors</i> 95260.4 Dollars									
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	45,352.92	Dollars	
<i>Factors</i> 45352.9 Dollars									

Activity ID: 1EFC0235 Description: INFSTM Cluster Ind 2 Property Removal

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100	Property Removal	1.00	each	EE	5.527	5.527	120.736	0	0	120.736	41.775	162.511
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	45.056	45.056	0	45.056
Total for Activity 1EFC0235:						5.527	120.736	0	45.056	165.792	41.775	207.566

Line Item 0100 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are and estimated 231 units that will require disposition.
 Unit Cost -
 Industrial type 3 property disposal requires .75 hrs RCT; .5 hrs of Haz. Assessment, 25 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources									
<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>	
750	STRAIGHT TIME BASE	C010	CARPENTERS	KE10H	Indust/Site Svcs Steelworkers	Linear	1,369.59	Hours	
<i>Factors</i> 1540 hrs									
						0.88934	[SYS 061400]	.88934200 - Svsstem	

WBS No: 1EFC15
 Activity ID: 1EFC0235

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY: *

750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KE10H	Indust/Site Svcs Steelworkers	Linear	1,541.23	Hours
<i>Factors</i> 1733 hrs								
						0.88934	[SYS 061400]	.88934200 - Svsystem
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KE10H	Indust/Site Svcs Steelworkers	Linear	2,226.02	Hours
<i>Factors</i> 2503 hrs								
						0.88934	[SYS 061400]	.88934200 - Svsystem
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C101S	Health & Safety	Linear	103.16	Hours
<i>Factors</i> 116 hrs								
						0.88934	[SYS 061400]	.88934200 - Svsystem
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	KE10H	Indust/Site Svcs Steelworkers	Linear	20.45	Hours
<i>Factors</i> 23 hrs								
						0.88934	[SYS 061400]	.88934200 - Svsystem
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Mamt & Maintenance	Linear	72.04	Hours
<i>Factors</i> 81 hrs								
						0.88934	[SYS 061400]	.88934200 - Svsystem
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mamt & Maintenance	Linear	40.91	Hours
<i>Factors</i> 46 hrs								
						0.88934	[SYS 061400]	.88934200 - Svsystem
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KE10H	Indust/Site Svcs Steelworkers	Linear	153.86	Hours
<i>Factors</i> 173 hrs								
						0.88934	[SYS 061400]	.88934200 - Svsystem

Line Item SYS - Contingency And Escalation

BOE										
Resources										
<i>Cost Element</i>		<i>Skill</i>			<i>Department</i>			<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear		32,593.39	Dollars	
<i>Factors</i> 32593.4 Dollars										
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear		12,462.18	Dollars	
<i>Factors</i> 12462.2 Dollars										

Activity ID: 1EFC0240 Description: B869 Stabilization/Hazards Removal

Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
0100 - tC55M105	Property Removal	1.00	each	EE	206	206	5,172	0	0	5,172	1,800	6,971
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	3,616	3,616	0	3,616
Total for Activity 1EFC0240:						206	5,172	0	3,616	8,787	1,800	10,587

Line Item 0100 - tC55M105A20 - Property Removal

BOE
 Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.
 Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster
 Breakdown of Cost Data:
 Item - property disposition
 Units - each. There are an estimated 74 units that will require disposition.
 Unit Cost - Average cost for one unit of Industrial type 1 property disposal requires .4 hrs RCT; .2 hrs of Haz. Assessment, 2 hrs of Readiness removal, .2 Hrs of material handling, and .35 hrs admin support.
 Unit Cost Adjustment factor - None
 Revised Unit Cost - None
 Basis for adjustment - None
 This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources										
<i>Cost Element</i>		<i>Skill</i>			<i>Department</i>			<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	C010	CARPENTERS	KE10H	Indust/Site Svcs Steelworkers	Linear		34.68	Hours	
<i>Factors</i> 39 hrs										
						0.88934	[SYS 061400]	.88934200 - Svsystem		

WBS No: 1EFC15
 Activity ID: 1EFC0240

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project: Baseline Devl
 WBS Filter: 1EFC
 Activity Filter: *

Starts In FY *

750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KE10H	Indust/Site Srvs Steelworkers	Linear	39.13	Hours
<i>Factors</i>		44	hrs					
						0.88934	[SYS 061400]	.88934200 - Svsstem
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KE10H	Indust/Site Srvs Steelworkers	Linear	56.92	Hours
<i>Factors</i>		64	hrs					
						0.88934	[SYS 061400]	.88934200 - Svsstem
750	STRAIGHT TIME BASE	E120	SAFETY ENGINEERS	C101S	Health & Safety	Linear	13.34	Hours
<i>Factors</i>		15	hrs					
						0.88934	[SYS 061400]	.88934200 - Svsstem
750	STRAIGHT TIME BASE	L090	GENERAL LABORER	KE10H	Indust/Site Srvs Steelworkers	Linear	13.34	Hours
<i>Factors</i>		15	hrs					
						0.88934	[SYS 061400]	.88934200 - Svsstem
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	C210S	Facilities Mgmt & Maintenance	Linear	23.12	Hours
<i>Factors</i>		26	hrs					
						0.88934	[SYS 061400]	.88934200 - Svsstem
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KE10H	Indust/Site Srvs Steelworkers	Linear	25.79	Hours
<i>Factors</i>		29	hrs					
						0.88934	[SYS 061400]	.88934200 - Svsstem

Line Item SYS - Contingency And Escalation

BOE

Resources

<i>Cost Element</i>		<i>Skill</i>		<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	2,508.09	Dollars
<i>Factors</i>		2508.09 Dollars						
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	1,107.43	Dollars
<i>Factors</i>		1107.43 Dollars						

Report Totals:

<i>Labor Hours Total</i>	<i>Labor Cost Total</i>	<i>Materials/ Sub Cost</i>	<i>Contingency & Escalation</i>	<i>Total Prime Cost</i>	<i>Burden Cost</i>	<i>Total Cost</i>
240.877	7,060,831	825,767	3,377,098	11,263,696	2,413,028	13,676,725