FY 2019 DEP ARC

Appendix B

Causes of Increases in Cleanup Estimates

Appendix to Section VI, FY 2019 Funding for Environmental Restoration Activities and Reasons for Increases in Cost Estimates Since FY 2018.

This Appendix explains an increase of 10 percent or more in an installation's or property's projected cost estimate over the prior year estimate.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)		Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) New Site. 4) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 5) Cost Estimate Change Unrelated to
Maryland	Army	ABERDEEN PROVING GROUND	123,311	133,934	2,996	13,619	11%	Change in Scope – Change in contract or contract method. Project Scope – Added cleanup phases as the project progresses
New York	Army	AFRC FORT WADSWORTH	0	148	55	203		(e.g., feasibility study or remedial action operation added to project scope).
Massachusetts	Army	ARMY RESEARCH LABORATORY-WATERTOWN	1,601	2,658	603	1,660		Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Kentucky	Army	BLUE GRASS ARMY DEPOT	1,711	2,747	199	1,235	72%	1) New Site. 2) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
Missouri	Army	CAMP CROWDER	217	214	231	228		Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
New Jersey	Army	CAMP PEDRICKTOWN	623	255	584	216	35%	Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
Oregon	Army	CLACKAMAS/CAMP WITHYCOMBE	267	1,172	222	1,127		 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
New Hampshire	Army	COLD REGIONS RESEARCH AND ENGINEERING LABORATORY	13,163	39,382	1,455	27,674		Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
Nebraska	Army	CORNHUSKER ARMY AMMUNITION PLANT	25,591	27,246	5,035	6,690		 Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
California	Army	DEFENSE DIST DEPOT SAN JOAQUIN, SHARPE FACILITY	49,621	58,145	4,819	13,343		1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) New Site. 4) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 5) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.
								1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be
Michigan	Army	DETROIT ARSENAL	359	766	97	504	140%	caused by changes in schedule. Standards or Regulations – Regulator-driven Change – A change in
Massachusetts	Army	DEVENS RESERVE TRAINING FACILITY	47,430		8,516		131%	the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval).
Virginia	Army			38	304	230		New Site. 1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval). 4) New Site. 5) Cost Estimate Change Unrelated to Change in Scope – Change in contract or exertent methend
Georgia	Army	FORT BENNING	27,268	28,194	1,856	2,782	10%	contract method. 1) New Site. 2) Cost Estimate Change Unrelated to Change in
Puerto Rico	Army	FORT BUCHANAN	11,880	12,607	524	1,251		Scope – Change in cost estimating methodology or model. 3) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.

	Component	Installation Name	Estimate Adjusted for Inflation (\$000)	Cost Estimate	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
Oslanda				40.005	4.040	0.440	0001	1) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 2) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract
	Army Army	FORT CARSON	11,111	19,205				method. Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
	Army	FORT DETRICK	6,682	7,346				1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) New Site. 4) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.
New York	Army	FORT DRUM	4.271	9,898	1.744	7,371	173%	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). New Site. Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.
	Army	FORT GORDON	2.066					 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval). New Site. Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
Alaska	Army	FORT GREELY	12,408	13,683	816	2,091	17%	 Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
New York	Army	FORT HAMILTON	925	907	488	470	51%	Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.
Arizona	Army	FORT HUACHUCA	1,592	2.085	2,892	3,385	213%	 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). New Site. Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
South Carolina	Army	FORT JACKSON	17,096	47,492				1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Standards or Regulations – DoD Policy or Directive – A change in DoD policy or directive that redefines the costs included in the CTC. 4) New Site. 5) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 6) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.
								 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes
Kansas	Army	FORT LEAVENWORTH	1,863	1,844	497	478	26%	in schedule. 1) Project Scope – Added cleanup phases as the project progresses
Virginia	Army	FORT LEE	976	1,795	187	1,006	103%	(e.g., feasibility study or remedial action operation added to project scope). 2) New Site.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
Missouri	Army	FORT LEONARD WOOD	30,033	36,848	282	7,097	24%	1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement). 4) Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval). 5) New Site. 6) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method. 7) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
Alabama	Army	FORT MCCLELLAN	6,478	49,521	770	43,813	676%	 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
Alabama	Army	FORT MCCLELLAN ARNG	3,220					 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
Virginia	Army	FORT MONROE	8,421	11,788	1,264	4,631	55%	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
California		FORT ORD	205 247	204 700	0.575	45.000		1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost
California	Army	FORTORD	265,317	301,722	9,575	45,980	17%	may also be caused by changes in schedule. Cost Estimate Change Unrelated to Change in Scope – Actual
Virginia	Army	FORT PICKETT ARNG MTC	458	457	864	863		contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
Louisiana	Army	FORT POLK	6,612	7,388	1,087	1,863	28%	1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) New Site. 4) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.
								Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior
Maryland	Army	FORT RITCHIE	5,106	5,542	137	573		estimate. This additional cost may also be caused by changes in schedule.
Illinois	Army	FORT SHERIDAN	7,088		39			Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 4) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method. 5) Cost Estimate Change Unrelated to Change in Scope – Actual contract
Alaska	Army	FORT WAINWRIGHT	47,597	69.461	1.974	23.838	50%	cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
				00,701		20,000		 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change
New Mexico	A	FORT WINGATE DEPOT ACTIVITY	400 740	400 500	0.005	40,440		Unrelated to Change in Scope – Change in cost estimating
Alaska	Army Army	HAINES PIPELINE	21,501	<u>138,503</u> 23,733	8,665	46,449 2,812		methodology or model. 1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
								1) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 2) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method. 3) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes
lowa	Army	PLANT	65,403	75,479	2,031	12,107	19%	in schedule. Cost Estimate Change Unrelated to Change in Scope – Change in
Ohio	Army	JFHQ OH ARNG	13,769	14,040	4,279	4,550		contract or contract method. Project Scope – Added cleanup phases as the project progresses
Rhode Island	Army	JFHQ RI ARNG	56	8,401	11	8,356	14895%	(e.g., feasibility study or remedial action operation added to project scope).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project
Utah	Army	JFHQ UT ARNG	22	1,319	26	1,323	5894%	scope).
								1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method. 3) Cost Estimate Change Unrelated to Change in Scope – Actual contract
Vermont	Army	JFHQ VT ARNG	763	1,261	95	593		cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
Volition	, uniy	JOINT BASE MYER-	100	1,201		000	1070	1) New Site. 2) Cost Estimate Change Unrelated to Change in
Virginia	Army	HENDERSON HALL	70	220	297	447	635%	Scope – Change in contract or contract method.
Hawaii	Army	KUNIA FIELD STATION	576	717	50	191		Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule. Project Scope – Added cleanup phases as the project progresses
South Carolina	Army	LEESBURG TRAINING SITE	270	267	54	51		(e.g., feasibility study or remedial action operation added to project scope).
Pennsylvania	Army	LETTERKENNY ARMY DEPOT	5,270	5,313	545	588	11%	1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) New Site. 4) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method. 5) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
						_		Cost Estimate Change Unrelated to Change in Scope – Change in
Rhode Island	Army	LINCOLN AMSA 68	113	879	30	796	703%	cost estimating methodology or model.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method. Cost Estimate Change Unrelated to Change in Scope – Actual contract
Louisiana	Army	LOUISIANA ARMY AMMUNITION PLANT	2,421	2,671	2,574	2,824	117%	cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
Hawaii	Army	MAKUA MILITARY RESERVATION	771	942	58	229	30%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Oldebarra			1.00	0.700				 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes
Oklahoma	Army	AMMUNITION PLANT	4,687	6,766		2,359		in schedule. 1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) New Site. 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 4) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be
California	Army	AND FORT IRWIN PAPAGO MILITARY	9,510	37,183	1,405	29,078	306%	caused by changes in schedule. Cost Estimate Change Unrelated to Change in Scope – Change in
Arizona New Jersey	Army	RESERVATION PICATINNY ARSENAL	171	2,143	2,323	2,080		 cost estimating methodology or model. 1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 4) Cost Estimate Change Unrelated to Change in Scope – Change in contract method.
Arkansas	Army	PINE BLUFF ARSENAL	32,628		· · · ·	8,028		1) New Site. 2) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								1) Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval). 2) New Site. 3) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in
Hawaii	Army	POHAKULOA TRAINING AREA	14,971	34,920	88	20,037	134%	schedule. Cost Estimate Change Unrelated to Change in Scope – Change in
California	Army	PRESIDIO OF MONTEREY	1,760	1,607	990	838	48%	contract or contract method.
Ohio	Army	RAVENNA ARMY AMMUNITION PLANT	28,403	34,057	4,453	10,107	36%	1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Technology – Change to a different or improved cleanup technology (e.g., monitored natural attenuation did not work so active remediation is needed, technology was ineffective). 4) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 5) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method. 6) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
California	Army	RIVERBANK ARMY AMMUNITION PLANT	15,265	23,842	1,447	10,024	66%	Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Illinois	Army	ROCK ISLAND ARSENAL	10.761	10.450	1,678	1,367	13%	 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). New Site. Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.
	Army							Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in
California	Army	SACRAMENTO ARMY DEPOT	2,710	6,238	726	4,254	157%	schedule.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								Project Scope – Added requirements due to other site-level project
								change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor
								intrusion (that is required and initiated by DoD), change in future
								property reuse, site reopened to address additional risk, additional
New Jersey	Army	SIEVERS-SANDBERG USARC	52	168	40	156	300%	sampling).
								Cost Estimate Change Unrelated to Change in Scope – Change in
Missouri	Army	ST LOUIS ORDNANCE PLANT	5,379	5,553	535	709	13%	contract or contract method.
Kansas	Army	SUNFLOWER ARMY AMMUNITION PLANT	32,383	50,854	15,889	34,360	106%	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. Cost Estimate Change Unrelated to Change in Scope – Change in contract method.
	,		- ,		-,	- ,		1) New Site. 2) Cost Estimate Change Unrelated to Change in
Pennsylvania	Army	TOBYHANNA ARMY DEPOT	6,543	11,871	324	5,652	86%	Scope – Change in contract or contract method.
								 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes
Utah	Army	TOOELE ARMY DEPOT SOUTH	57,758	110,801	145	53,189	92%	in schedule.
Llawaii	A	TRIPLER ARMY MEDICAL	0.15	0.10	000	001	1001	Cost Estimate Change Unrelated to Change in Scope – Change in
Hawaii	Army	CENTER	815	940	266	391	48%	 cost estimating methodology or model. 1) Standards or Regulations – DoD Policy or Directive – A change in DoD policy or directive that redefines the costs included in the CTC. 2) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in
California	Army	TS AFRC LOS ALAMITOS	9,363	14,791	553	5,981	64%	schedule.
								1) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method. 2) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work
Oregon	Army	UMATILLA CHEMICAL DEPOT	69,634	52,905	31,571	14,842	21%	is greater than the prior estimate. This additional cost may also be caused by changes in schedule.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
Missouri	Army	WELDON SPRING TRAINING AREA	2,768	2,748	468	448	16%	Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval).
New York	Army	WEST POINT MIL RESERVATION	52,622	64.632	878	12,888	24%	1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Technology – Change to a different or improved cleanup technology (e.g., monitored natural attenuation did not work so active remediation is needed, technology was ineffective). 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 4) Cost Estimate Change Unrelated to Change in contract or contract method.
								 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). New Site. Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or
New Mexico	Army	WHITE SANDS MISSILE RANGE	3,041	2,910				model. 1) New Site. 2) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by
Washington Arizona	Army	YAKIMA TRAINING CENTER	1,929	2,342	784			 changes in schedule. 1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other sitelevel project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 4) Cost Estimate Change Unrelated to Change in Scope – Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
			7,143	10,719	704	0,000	13170	 Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 2) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost
West Virginia	Navy	ALLEGANY BALLISTICS LAB	38,412	57,705	8,217	27,510	72%	may also be caused by changes in schedule.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
Maryland	Navy	ANNAPOLIS NSWC DET BAY HEAD ANNEX	258	410	67	219	85%	Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval).
California	Navy	AZUSA NCCOSC MORRIS DAM FACILITY	1,648	2,411	2,247	3,010	183%	Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
New York	Navy	BETHPAGE NWIRP	356,380	485,878	14,195	143,693		 Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
Hawaii	Navy	CAMP H.M. SMITH OAHU	1,433			638		 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.
California	Navy	CAMP PENDLETON MCB	50.698		10,831	6,290		1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method. 4) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
			50,098	40,157	10,831	0,290	12%	Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future
Alaska	Navy	CAPE PRINCE WALES NCCOSC	1,866	2,976	19	1,129	61%	property reuse, site reopened to address additional risk, additional sampling).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional
Maryland	Navy	CARDEROCK NSWC	205	217	134	146	71%	sampling).
South Carolina	Navy	CHARLESTON FISC	2,237	4,638	610	3,011	135%	Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
South Carolina	Navy	CHARLESTON NS	5,123	7,471	423	2,771	54%	Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
Texas	Navy	CHASE FIELD NAS	0	4,492	999	5,491	N/A	Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval).
North Carolina	Navy	CHERRY POINT MCAS	75,127	83,246	3,887	12,006	16%	1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method. 4) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
Maryland	Navy	CHESAPEAKE BAY DET NRL	2,516	2.735	423	642	25%	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Virginia	Navy	CHESAPEAKE NSGA NWEST	962					Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).

State	DoD Component	Installation Name	Estimate	Cost Estimate		Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
California	Navy	CHINA LAKE NAWS	117,842	126,720	4,165	13,043		1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
California	Navy	CONCORD NWS	61.655		5.178			1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) New Site. 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 4) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
Virginia	Navy	CRANEY ISLAND FISC	6,606		423			1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Technology – Change to a different or improved cleanup technology (e.g., monitored natural attenuation did not work so active remediation is needed, technology was ineffective).
								Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope,
Texas Virginia	Navy Navy	DALLAS NAS DAM NECK FCTC	<u>18,470</u> 3,048		730	5,338 5,972		 delay in regulatory document review or approval). 1) Standards or Regulations – DoD Policy or Directive – A change in DoD policy or directive that redefines the costs included in the CTC. 2) New Site.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	Cost	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								1) Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval). 2) Technology – Change to a different or improved cleanup technology (e.g., monitored natural attenuation did not work so active remediation is needed, technology was ineffective). 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating
California	Navy	EL CENTRO NAF	24,239	28,172	369	4,302	18%	methodology or model.
California	Navy	FALLBROOK NOC PAC DIV DET	24,988	23,738	3,981	2,731	11%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Texas	Navy	FT WORTH TX NAS JRB	8,386	8.781	793	1,188	14%	1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
Guam	Navy	GUAM NSRF	165	14,248	5	,		New Site.
Guam	Navy	GUAMI COMNAVMARIANAS	2,151	1,911	691	451	21%	Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Mississippi	Navy	GULFPORT NCBC	18,776		6,716	2,406		1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
California	Navy	IMPERIAL BEACH OLF	13,417	14,400	1.395			 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
Hawaii	Navy	KANEOHE BAY MCB	13,800	15,081	125	1,406		 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.
Florida	Navy	KEY WEST NAS	49,651	55,089	5,050			 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
Washington	Navy	KEYPORT NUWC	20.154	24.094	2,117	6.057		 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
Georgia	Navy	KINGS BAY NSB	3,387	3,820	21	454	13%	Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
California	Navy	LEMOORE NAS	23,761	26,220	260	2,719		 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
Pennsylvania	Navy	MECHANICSBURG SPCC	4,288	4,216	1,071	999	23%	Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.

Appendix B: Causes of Increases in	n Cleanup	Estimates
------------------------------------	-----------	-----------

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	Cost	Obligated	Chango	Cost Estimate Change (Percentage)	Reason(s)
California	Navy	NORTH ISLAND NAS	86.875	86,304	13.038	12.467	1406	1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Technology – Change to a different or improved cleanup technology (e.g., monitored natural attenuation did not work so active remediation is needed, technology was ineffective). 4) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
						.2,407		 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Standards or Regulations – DoD Policy or Directive – A change in DoD policy or directive that redefines the costs included in the CTC. 4) Technology – Change to a different or improved cleanup technology (e.g., monitored natural attenuation did not work so active remediation is needed, technology was ineffective). 5) New Site. 6) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 7) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method. 8) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate.
Virginia	Navy	OCEANA NAS	170,551	202,835	12,941	45,225	27%	This additional cost may also be caused by changes in schedule.
Hawaii	Navy	PEARL HARBOR NSB	503	751	46	294	58%	Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
Hawaii	Νανγ	PEARL HARBOR NSY	5.772	6.453	200	881		 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Standards or Regulations – Regulator- driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval). Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
i lawaii	Navy		5,772	0,453	200			1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement). 3) Cost Estimate Change Unrelated to Change in Scope – Actual contract
Florida	Navy	PENSACOLA NAS	58,793	58,188				cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule. Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional
Florida	Navy	STATION	4,280	6,220	1,778			sampling). 1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be
Alaska	Navy	POINT BARROW NARL	31,495	32,177	3,466	4,148		caused by changes in schedule. Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future
Washington	Navy	PORT HADLOCK NOC PAC DIV DET	3,579	4,094	203	718	20%	property reuse, site reopened to address additional risk, additional sampling).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
Washington	Navy	PUGET SOUND FISC MANCHESTER	3,321	3,516	595	790	24%	Standards or Regulations – DoD Policy or Directive – A change in DoD policy or directive that redefines the costs included in the CTC.
Puerto Rico	Navy	ROOSEVELT ROADS CAMP GARCIA	11,876	10,305	3,160	1,589		Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
California	Navy	SAN DIEGO NCCOSC	8,826	20,913	2,951	15,038	170%	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). New Site. Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
California	Navy	SAN DIEGO NISE WEST	916	3,938	550	3,572		Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Florida	Navy	SAUFLEY FIELD NAS	7,524	7,580	2,811	2,867		Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Massachusetts	Navy	SOUTH WEYMOUTH NAS	48,836	49,773	4,906	5,843	12%	Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
Virginia	Navy	ST JULIEN'S CREEK ANNEX	14,263	15,405	567	1,709	12%	Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	Cost Estimate	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
O all'famia				0.1 500	1.050	05.000		1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval). 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 4) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate.
California	Navy	TREASURE ISLAND NS	14,455	34,598	4,950	25,093	174%	This additional cost may also be caused by changes in schedule. 1) Project Scope – Added requirements due to other site-level
California	Navy	TREASURE ISLAND NS HUNTERS PT ANNEX	222,585	249,880	71,265	98,560		project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
California	Navy	TUSTIN MCAS	14,821	14,622	1,716	1,517		 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
District of Columbia	Navy	WASHINGTON DC NAVOBSY	520		301	870		 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). New Site.
District of Columbia	Navy	WASHINGTON NRL	1,004	1,183	353	532		Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	Cost	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) New Site. 3) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost
Washington	Navy	WHIDBEY ISLAND NAS	91,754	94,696	14,691	17,633	19%	may also be caused by changes in schedule.
Florida	Navy	WHITING FIELD NAS	21,226	25,602	1,084	5,460	26%	Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
Texas	Air Force	AIR FORCE PLANT 4	49,414					1) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 2) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.
10,005			-17,57	72,130	1,010	24,000	4370	Cost Estimate Change Unrelated to Change in Scope – Change in
Arizona	Air Force	AIR FORCE PLANT 44	43,869	46,022	3,035	5,188	12%	cost estimating methodology or model.
New York	Air Force	AIR FORCE PLANT 59	625	684	41	100	16%	Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
Georgia	Air Force	AIR FORCE PLANT 6	157,199	199,045	7,202	49.048	31%	Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Alaska	Air Force	BARTER ISLAND	5,556					1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
Vermont	Air Force	BURLINGTON INTERNATIONAL AIRPORT	0	1,410	93	1,503	N/A	Standards or Regulations – DoD Policy or Directive – A change in DoD policy or directive that redefines the costs included in the CTC.

Appendix B: Causes of Increases in Cleanup Estimates	Appendix B:	Causes of Increases in	Cleanup Estimates
--	-------------	------------------------	-------------------

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
Alaska	Air Force	CAMPION AIR FORCE STATION	22,352	24,045	3,141	4,834		1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval).
New Mexico	Air Force	CANNON	35.498	75.074	3,385	42.961		1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval). 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 4) Cost Estimate Change Unrelated to Change in contract or contract method. 5) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
Alaska	Air Force	CAPE NEWENHAM LONG RANGE RADAR SITE	11,461	13,482	480	2,501		Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Alaska	Air Force	CAPE ROMANZOF LONG RANGE RADAR SITE	36,364					1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
California	Air Force	CASTLE	68,870	76.781	926	8.837	120/	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Illinois	Air Force	CHANUTE	51,937	57,059	443			Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Alaska	Air Force	CHENA RIVER	319	379	16	76	24%	Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
Minnesota	Air Force	DULUTH INTERNATIONAL AIRPORT	0	2,424	94	2,518	N/A	Standards or Regulations – DoD Policy or Directive – A change in DoD policy or directive that redefines the costs included in the CTC.
Alaska	Air Force	EARECKSON AIR FORCE BASE	111,156	121,379	3,981	14,204	13%	1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval). 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
Florida	Air Force	EGLIN	51,749		1,939	13.134	05%	1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval). 3) Standards or Regulations – DoD Policy or Directive – A change in DoD policy or directive that redefines the costs included in the CTC. 4) New Site. 5) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
South Dakota	Air Force	ELLSWORTH AIR FORCE BASE	45,435	92,937	4,280	51,782	114%	1) Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval). 2) Standards or Regulations – DoD Policy or Directive – A change in DoD policy or directive that redefines the costs included in the CTC. 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 4) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.
Washington	Air Force	FAIRCHILD AIR FORCE BASE	50.667	100,449	4.643	54,425	107%	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
Wisconsin	Air Force	GEN B MITCHELL	8,922	10,333	144			Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
California	Air Force	GEORGE	72,789	97,659	1,663	26,533	36%	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Massachusetts	Air Force	HANSCOM	34,905				20%	1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
Utah	Air Force	HILL AIR FORCE BASE	368,723	443,560	5,809	80,646	22%	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
								1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval). 4) Technology – Change to a different or improved cleanup technology (e.g., monitored natural attenuation did not work so active remediation is needed, technology was ineffective). 5) New Site. 6) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 7) Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method. 8) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate.
Alaska	Air Force	JBER-ELMENDORF JBER-RICHARDSON	294,203	335,898 94.746				This additional cost may also be caused by changes in schedule. 1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) New Site. 4) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. 5) Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	Cost	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
New Jersey	Air Force	JBMDL-DIX	18.470	21,571	2,326	5,427	20%	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval). Cost Estimate Change Unrelated to Change in Scope – Change Unrelated to Change in Scope – Change in contract or contract method.
New Jersey	Air Force		18,470	21,571	2,320	5,427	29%	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This
Texas	Air Force	JBSA-CAMP BULLIS	9,785		1,072			additional cost may also be caused by changes in schedule. Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional
Johnston Atoll	Air Force	JOHNSTON ATOLL	59,759	20,946				sampling). 1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
Texas	Air Force	LAUGHLIN	32,464	36,119				Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional
Maine	Air Force	LORING	31,773	36,560	390	5,177	16%	sampling). Cost Estimate Change Unrelated to Change in Scope – Change in
Washington	Air Force	MAKAH AIR FORCE STATION	3,665	18,464	204	15,003	409%	cost estimating methodology or model.
Alabama	Air Force	MAXWELL	30.439	34.688	1.033	5,282	17%	 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
					.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0,202		1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address
California	Air Force	MCCLELLAN	112,594	162,005	6,580	55,991	50%	additional risk, additional sampling).
Kansas	Air Force	MCCONNELL AIR FORCE BASE	32,467	35,249	6,979	9,761	30%	 Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model. Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method. Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in schedule.
North Dakota	Air Force	MINOT	18,193	51,646	2,147	35,600		1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) New Site. 4) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.

Georgia Air Force MOODY AIR FORCE BASE 59,555 64,634 786 5,877 10% model. Georgia Air Force MOODY AIR FORCE BASE 59,555 64,634 786 5,877 10% model. Charge in Scope - Added cleanup phases as the project (e.g., feasibility study or remedial action operation added scope), 2) Project Scope - Added cleanup phases as the project (e.g., feasibility study or remedial action operation added scope), 2) Project Scope - Added cleanup endiane and phases and the memory discovered contaminary increased physical dimensions of the cleanup, additional sequence and the additional sequipiert additin	State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
Georgia Air Force MOODY AIR FORCE BASE 59,555 64,634 798 5.877 10% model. Image: Construction of the constre									 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to
Idaho Air Force MOUNTAIN HOME AIR FORCE 44,580 46,547 4,928 6,895 105% definitional insk, additional sampling). 3) Cost Estimate Could imensions of the cleanup, additional pathway such as vapor intrusion (that is required and into DoD), change in future property reuse, site responsed to additional site, additional sampling). 3) Cost Estimate Could imensions of the cleanup, additional additional site is additional site is adviced cleanup phases as the project (e.g., esasibility study or remedial action operation addee (e.g., esasibility study or remedial action aparta addee (e.g., esasibility study or remedial action aparta addee (e.g., esasibility study or remedial action aparta in addee (e.g., esasibility study or remedial action aparta addee (e.g., esasibility study or remedial action aparta addee (e.g., esasibility study or remedial action aparta additional site required and in DoD), change in future property reuse, site responsed to additional insk, additional as required and in DoD), change in future property reuse, site responsed to additional insk, additional as the project (e.g., esasibility study or remedial action aparta addee (e.g., esasibility esay or that is required and in DoD), change in future property reuse, site responened	Georgia	Air Force	MOODY AIR FORCE BASE	59,555	64,634	798	5,877	10%	Change in Scope – Change in cost estimating methodology or model.
Alaska Air Force MURPHY DOME 4,445 6,612 274 2,441 2,441 2,041	Idaho	Air Force		44,580	46,547	4.928	6,895		 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
New Hampshire Air Force NEW BOSTON 5,773 4,729 1,939 895 15% delay in regulator delay of the regulator that increases provably. New York Air Force NIAGARA FALLS 9,892 10,608 517 1,233 12% cost estimating methodology or model. Project Scope – Added requirements due to other site dimensions of the cleanup, additional risk pathway such 9,892 10,608 517 1,233 12% cost estimating methodology or model.	Aleste								1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating
New Hampshire Air Force NEW BOSTON 5,773 4,729 1,939 895 15% delay in regulatory document review or approval). New York Air Force NIAGARA FALLS 9,892 10,608 517 1,233 12% cost estimating methodology or model. Project Scope – Added requirements due to other site-leg change (e.g., newly discovered contaminants, increased dimensions of the cleanup, additional risk pathway such Project Scope – Added requirements pathway such									 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk,
New York Air Force NIAGARA FALLS 9,892 10,608 517 1,233 Cost Estimate Change Unrelated to Change in Scope – New York Air Force NIAGARA FALLS 9,892 10,608 517 1,233 12% cost estimating methodology or model. Project Scope – Added requirements due to other site-letchange (e.g., newly discovered contaminants, increased dimensions of the cleanup, additional risk pathway such Image: Rest of the cleanup, additional risk pathway such				22,032			9,300		Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope,
New York Air Force NIAGARA FALLS 9,892 10,608 517 1,233 12% cost estimating methodology or model. Image: Strain Str	New Hampshire	Air Force	NEW BOSTON	5,773	4,729	1,939	895	15%	delay in regulatory document review or approval). Cost Estimate Change Unrelated to Change in Scope – Change in
			NIKOLSKI RADIO RELAY						cost estimating methodology or model. Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future
Illinois	Air Force	OHARE	24,685	29,146	130	4,591	19%	property reuse, site reopened to address additional risk, additional sampling).
								 Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Standards or Regulations – Regulator- driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval). Cost Estimate Change Unrelated to Change in Scope – Actual contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes
New Hampshire	Air Force	PEASE	171,206	188,737	5,192	22,723	13%	in schedule.
New York	Air Force	PLATTSBURGH	77,550	111,712	1,301	35,463	46%	Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Alaska	Air Force	POINT LAY	18,470		1,315	9,790	53%	Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Alaska	Air Force	PORT HEIDEN RADIO RELAY STATION	39,909	36,401	9,024	5,516		Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Texas	Air Force	REESE	199.649	398.104	12 815	211,270	106%	Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
Missouri	Air Force	RICHARDS-GEBAUR	11,286	12,673	144	1,531	14%	Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Ohio	Air Force	RICKENBACKER	7,275	10,472	210	3,407	47%	1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) New Site.
Georgia	Air Force	ROBINS	82,680	105.132	1.207	23,659	20%	1) Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). 2) Standards or Regulations – Regulator-driven Change – A change in the project as a result of negotiations with the regulator (e.g., new requirement imposed by the regulator that increases project scope, delay in regulatory document review or approval). 3) Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
California	Air Force	SAN DIEGO SPACE SURVEILLANCE FIELD STATN	897	752	· · ·			Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
Alaska	Air Force	SPARREVOHN AIR FORCE STATION	5,035	5,772	80	817		Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Oklahoma	Air Force	TINKER	91,660	104,452	1,374	14,166	15%	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating
California	Air Force	TRAVIS AIR FORCE BASE	116,202	132,325	2,431	18,554		methodology or model.
California	Air Force	TULELAKE OTHB RADAR SITE	108	105	125	122	113%	Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
Colorado	Air Force	USAF ACADEMY	12,881	19,568	166	6,853	53%	Cost Estimate Change Unrelated to Change in Scope – Change in contract or contract method.
Oklahoma	Air Force	VANCE	20,840	45,353	1,421	25,934		 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added requirements due to other site- level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Missouri	Air Force	WHITEMAN AIR FORCE BASE	9.172	11,847	307	2.982		 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Cost Estimate Change Unrelated to Change in Scope – Change in cost estimating methodology or model.
Arizona	Air Force	WILLIAMS	39,478		1,040	19,972		Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Michigan	Air Force	WURTSMITH	217,743	237,967	5,749	25,973		Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
Maryland	DLA	CURTIS BAY	2,387	3,914	132			Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								Cost Estimate Change Unrelated to Change in Scope – Actual
		DD SUSQUEHANNA, NEW						contract cost for prior or ongoing work is greater than the prior estimate. This additional cost may also be caused by changes in
Pennsylvania	DLA	CUMBERLAND FAC.	811	1,201	30	420	52%	schedule.
, , , , , , , , , , , , , , , , , , ,				, -				Cost Estimate Change Unrelated to Change in Scope – Change in
New Hampshire	DLA	DLA ENERGY	0	300	137	437	N/A	cost estimating methodology or model.
Pennsylvania	DLA	DSC PHILADELPHIA	45,429	53,480	3,473	11,524	25%	Project Scope – Added requirements due to other site-level project change (e.g., newly discovered contaminants, increased physical dimensions of the cleanup, additional risk pathway such as vapor intrusion (that is required and initiated by DoD), change in future property reuse, site reopened to address additional risk, additional sampling).
1 onnoyivania	DEX		40,420	00,400	0,470	11,024	2070	Standards or Regulations – Regulation Change – A broad-scale or
Maine	FUDS	AF RADAR TRACKING STATION	5,000	6,847	242	2,089	42%	national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
								Standards or Regulations – Regulation Change – A broad-scale or
								national change in regulation that impacts multiple sites (e.g., newly
California	FUDS	AIR FORCE PLANT 15 (NAA)	70	74	36	40	56%	promulgated or modified Applicable or Relevant and Appropriate Requirement).
Florida	FUDS	AIR-TO-GROUND GUN RANGE PINELLAS	118	96	47	25	21%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Alaska	FUDS	AMAKNAK	10,769	18,757	571	8,559	79%	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
								Standards or Regulations – Regulation Change – A broad-scale or
								national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate
Wisconsin	FUDS	ANTIGO AIR FORCE STATION	3.007	4,765	82	1.840	61%	Requirement).
				, in the second se				Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project
Guam	FUDS	AREA 101	11,151	20,106	2,754	11,709	105%	scope). Project Scope – Added cleanup phases as the project progresses
Alaska	FUDS	ATKA AF AUX FLD	35,768	57,177	73	21,482	60%	(e.g., feasibility study or remedial action operation added to project scope).
Alaska	FUDS	ATTU ISL MIL SITES	102 556	207,093	05	22 562	100/	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
	F0D3		183,556	207,093	25	23,562	13%	Project Scope – Added cleanup phases as the project progresses
								(e.g., feasibility study or remedial action operation added to project
American Samoa	FUDS	AUA FUEL FARM	7,820	13,148	2,452	7,780	99%	scope).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly
								promulgated or modified Applicable or Relevant and Appropriate
Georgia	FUDS	AUGUSTA ARSENAL DEPOT	31	146	5	120	393%	Requirement).
								Project Scope – Added cleanup phases as the project progresses
								(e.g., feasibility study or remedial action operation added to project
California	FUDS	BEALE AFB TITAN 1-A	5,387	14,367	301	9,281	172%	scope).
Virgin Islands of								Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project
the U.S.	FUDS	BENEDICT FIELD	2,865	3,970	63	1,168	41%	scope).
	1000		2,000	3,370	00	1,100	4170	Project Scope – Added cleanup phases as the project progresses
								(e.g., feasibility study or remedial action operation added to project
Idaho	FUDS	BOISE ARMY BARRACKS	10,015	17,491	82	7,558	75%	scope).
								Project Scope – Added cleanup phases as the project progresses
								(e.g., feasibility study or remedial action operation added to project
Missouri	FUDS	BOWLING GREEN GF ANX	0	382	400	782	N/A	scope).
								Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project
Colorado	FUDS	BUCKLEY FIELD	3,261	47,660	250	44,649	1369%	scope).
00101000	1020		0,201	11,000	200	11,010	100070	Standards or Regulations – Regulation Change – A broad-scale or
								national change in regulation that impacts multiple sites (e.g., newly
								promulgated or modified Applicable or Relevant and Appropriate
Virginia	FUDS	BUCKROE BEACH	668	996	35	363	54%	Requirement).
								Project Scope – Added cleanup phases as the project progresses
Alaska	FUDS	BURMA ROAD	20,825	41,874	7	21,056	1019/	(e.g., feasibility study or remedial action operation added to project
Alaska	FUDS		20,023	41,074	1	21,000	10176	scope). Project Scope – Added cleanup phases as the project progresses
								(e.g., feasibility study or remedial action operation added to project
North Carolina	FUDS	BUXTON NAVAL FACILITY	227	2,035	82	1,890	831%	scope).
								Project Scope – Added cleanup phases as the project progresses
								(e.g., feasibility study or remedial action operation added to project
Oregon	FUDS	CAMP ADAIR/ADAIR AFS	15,154	55,363	37	40,246	266%	scope). Project Scope – Added cleanup phases as the project progresses
								(e.g., feasibility study or remedial action operation added to project
Texas	FUDS	CAMP BOWIE	18,561	43,992	334	25,765	139%	scope).
	1020		10,001	10,002		20,100	10070	Project Scope – Added cleanup phases as the project progresses
								(e.g., feasibility study or remedial action operation added to project
Kentucky	FUDS	CAMP BRECKINRIDGE	24,806	77,873	1,892	54,959	222%	scope).
								1) Project Scope – Added cleanup phases as the project progresses
								(e.g., feasibility study or remedial action operation added to project
								scope). 2) Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple
								sites (e.g., newly promulgated or modified Applicable or Relevant
Colorado	FUDS	CAMP HALE	121,304	140,181	161	19,039	16%	and Appropriate Requirement).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant
Texas	FUDS	CAMP HOWZE (FELDERHOFF)	92,599	215,474	141	123,016	133%	and Appropriate Requirement). Project Scope – Added cleanup phases as the project progresses
Puerto Rico	FUDS	CAMP O'REILLY	1,995	2,205	90	300	15%	(e.g., feasibility study or remedial action operation added to project scope).
	EU DO							1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant
California	FUDS	CAMP SAN LUIS OBISPO	37,324	43,391	2,655	8,722	23%	 and Appropriate Requirement). 1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant
Georgia	FUDS	CAMP WHEELER	29,959	294,589	5,307	269,937	901%	and Appropriate Requirement).
Mississippi	FUDS	CAMP/FT MCCAIN	458	1,776	991	2,309	504%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Massachusetts	FUDS	CAPE POGE LITTLE NECK BOMB TARGET SITE	653	2,338	562	2.247	344%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Maine	FUDS	CHARLESTON AFS	0	,		,		Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
North Carolina	FUDS	CHARLOTTE NAV AMM DEPO	3,872					 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Virginia	FUDS	CHOPAWAMSIC TROOP TRAINING SITE	24,288	51,031	108	26,851	111%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Utah	FUDS	CLEARFIELD NAVAL SUPPLY DEPOT	186					Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project
South Carolina	FUDS	CONWAY BMB&GUNRY RNG	15,931	49,692	150	33,911	213%	scope).
				,				Project Scope – Added cleanup phases as the project progresses
								(e.g., feasibility study or remedial action operation added to project
North Carolina	FUDS	COROLLA NAVAL TARGET	1,463	4,728	5	3,270	224%	scope).
								Project Scope – Added cleanup phases as the project progresses
Florida	FUDS	CORRY ST USN TECH TRAINING	1,352	5,322	57	4.028	208%	(e.g., feasibility study or remedial action operation added to project scope).
Tionda	1003		1,552	5,522	51	4,020	2.9070	 Project Scope – Added cleanup phases as the project progresses
								(e.g., feasibility study or remedial action operation added to project
								scope). 2) Standards or Regulations – Regulation Change – A
								broad-scale or national change in regulation that impacts multiple
								sites (e.g., newly promulgated or modified Applicable or Relevant
South Carolina	FUDS	CP CROFT	9,195	180,603	388	171,796	1868%	and Appropriate Requirement).
								 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project
								scope). 2) Standards or Regulations – Regulation Change – A
								broad-scale or national change in regulations a frequiation change – A
								sites (e.g., newly promulgated or modified Applicable or Relevant
Alabama	FUDS	CRAIG AFB	448	557	62	171	38%	and Appropriate Requirement).
								Project Scope – Added cleanup phases as the project progresses
								(e.g., feasibility study or remedial action operation added to project
Texas	FUDS	CUDDIHY FIELD	1,257	1,688	11	442	35%	scope).
								1) Project Scope – Added cleanup phases as the project progresses
								(e.g., feasibility study or remedial action operation added to project scope). 2) Standards or Regulations – Regulation Change – A
								broad-scale or national change in regulation that impacts multiple
								sites (e.g., newly promulgated or modified Applicable or Relevant
Puerto Rico	FUDS	CULEBRA PUERTO RICO	87,544	103,526	4,796	20,778	24%	and Appropriate Requirement).
								Standards or Regulations – Regulation Change – A broad-scale or
								national change in regulation that impacts multiple sites (e.g., newly
								promulgated or modified Applicable or Relevant and Appropriate
California	FUDS	D-Q UNIVERSITY	2,224	2,860	142	778	35%	Requirement).
		DRY CANYON ARTILLERY						Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project
California	FUDS	RANGE	9.948	37,505	74	27,631	278%	(e.g., reasibility study or remedial action operation added to project scope).
Canonia	. 000		5,940	31,303	/4	21,001	21070	Standards or Regulations – Regulation Change – A broad-scale or
								national change in regulation that impacts multiple sites (e.g., newly
								promulgated or modified Applicable or Relevant and Appropriate
Florida	FUDS	ELLYSON FIELD	42	31	39	28	67%	Requirement).
								Standards or Regulations – Regulation Change – A broad-scale or
								national change in regulation that impacts multiple sites (e.g., newly
Ohio	FUDO			40.4			000/	promulgated or modified Applicable or Relevant and Appropriate
Ohio	FUDS	ERIE ARMY DEPOT	412	494	1	83	20%	Requirement).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project
Wyoming	FUDS	FE WAR AFB AF FAC S-6	1,529	2,605	55	1,131	74%	scope).
Wyoming	FUDS	FE WAR AFB AF FAC SITE 5	1,193	4,250	94	. 3,151	264%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Wyoming	FUDS	FE WARREN AFB FAC SITE 1	25,293	27,906	66	2,679	11%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Colorado	FUDS	FE WARREN AFB FAC SITE 12	1,301	3,123	75	1,898	146%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Wyoming	FUDS	FE WARREN AFB FAC SITE 3	48,571	104,940	164	56,533	116%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Wyoming	FUDS	FE WARREN AFB FAC SITE 7	0	85	7	92	N/A	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Nebraska	FUDS	FE WARREN AFB FAC SITE 8	1,308					Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Minnesota	FUDS	FINLAND AFS Z-69	2,032	2,437	470	875	43%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Kansas	FUDS	FORBES AFB ATLAS S-09	1,118		538			Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Michigan	FUDS	FORT CUSTER REC/INDUSTRIAL AREAS	15,099		634			 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Wyoming	FUDS	FORT FRANCIS E. WARREN TAR & MANEUVER RGE	724	5,004	91	4,371	604%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
		FORT MILES MILITARY						1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant
Delaware Florida	FUDS	RESERVATION FORT PICKENS	18,072 24,368	26,644	35			and Appropriate Requirement). Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Alaska	FUDS	FORT ROUSSEAU, SITKA	14,000					 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Florida	FUDS	FORT TAYLOR	15,150	18,662	109	3,621	24%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Alaska	FUDS	FORT TIDBALL/LONG ISLAND	422	420	50	48		Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Washington	FUDS	FORT WARD-BAINBRIDGE ISLAND AAA BATTERY 7	0	286	12	298	N/A	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Pennsylvania	FUDS	FRANKFORD ARSENAL	1,175	1,226	116	167	14%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Alabama	FUDS	GADSDEN ORDNANCE PLANT	31	146	Δ	119	200%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Georgia	FUDS	GLYNCO NAS	133		56			Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
California	FUDS	GOLDEN GATE NATIONAL RECREATION AREA	358	318	182	142		Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Minnesota	FUDS	GOPHER ORD PLT ROSEMOUNT	66	42	68	44		Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project
Rhode Island	FUDS	GOULD ISLAND NUSC	1.789	1,799	2,094	2,104	118%	scope).
Alaska	FUDS	HAINES FAIRBANKS PIPELINE	13,957	15,307	731			 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
California	FUDS	HAMILTON ARMY AIRFIELD	3,198	28,929	1,115	26,846	840%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Camornia	1003		3,198	20,929	1,115	20,040	640%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate
California	FUDS	HAMMER FIELD	298	409	308	419	141%	Requirement).
Louisiana	FUDS	HAMMOND BOMBING RANGE	3,837	10,969	31	7,163	187%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Mississippi	FUDS	HANCOCK CO. BOMBING & GUNNERY RANGE	432	1,898	655	2,121	490%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Alaska	FUDS	HOONAH RRS	74	220	100	246	330%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Northern Mariana Islands	FUDS	HOSPITAL DUMP SITE	1,825	2,172	123	470	26%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Illinois	FUDS	IL ORDNANCE PLANT (CRAB ORCHARD)	2,808	3,349	206	747	27%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Kentucky	FUDS	KENTUCKY ORDNANCE WORKS	3,078	3,568	53			Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Michigan	FUDS	KINCHELOE AIR FORCE BASE	14,137	15,392	1,438			Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Arizona	FUDS	KINGMAN G TO G GUNNERY RANGE	1,620	8,127	148	6,655	411%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
		KIRTLAND AFB DEM BOMB						Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate
New Mexico	FUDS	RGE	1,311	1,451	113	253	19%	Requirement).
Northern Mariana Islands	FUDS	KOBLER NAVAL SUPPLY CENTER	11,859	12,025	3,100	3,266	28%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
New York	FUDS	LAKE ONTARIO ORDNANCE WORKS	351	318				 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
New YOR	FUDS	WURKS	351	318	654	621	177%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate
Texas	FUDS	LAREDO AFB	314	327	49	62	20%	Requirement).
Florida	FUDS	LEE FIELD	1,742	5,632	264	4,154	238%	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Nebraska	FUDS	LINCOLN AFB AF FAC S-1	705	2,149	63	1,507	214%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Nebraska	FUDS	LINCOLN AFB AF FAC S-10	5,843	8,236	843	3,236	55%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Nebraska	FUDS	LINCOLN AFB AF FAC S-7	9,189	8.034	2,633	1,478	16%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Nebraska	FUDS	LINCOLN AFB AF FAC S-9	1,967	3,976	60			Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
New York	FUDS	LOCKPORT AFS	3,688	3,970	178			Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Guam	FUDS	LONFIT PLANNING PROJECT	33,319	54,520	384	21,585	65%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly
Maine	FUDS	LOR AFB LAU AX	74	2,379	37	2,342	3145%	promulgated or modified Applicable or Relevant and Appropriate Requirement).
								Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate
Colorado	FUDS	LOWRY AFB S-1 (COMPLEX 1B)	308	471	1,610	1,773	576%	Requirement). Standards or Regulations – Regulation Change – A broad-scale or
Colorado	FUDS	LOWRY AFB S-1 (COMPLEX 1C)	343	1,500	103	1,260	369%	national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Colorado	FUDS	LOWRT AFD 3-1 (COMFLEX TC)	343	1,500	103	1,200	30676	Standards or Regulations – Regulation Change – A broad-scale or
Oi						100		national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate
Georgia	FUDS	MACON ORDNANCE PLANT	31	146	5	120	393%	Requirement). Project Scope – Added cleanup phases as the project progresses
Hawaii	FUDS	MAKALAPA CRATER FORMER NAVY SALVAGE YARD	4,601	5,207	93	699	15%	(e.g., feasibility study or remedial action operation added to project scope).
Virginia	FUDS	MANASSAS AIR FORCE COMM FACILITY	7,576	9,081	78	1,583	21%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Virginia	1000		1,010	3,001	10	1,000	2170	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate
Washington	FUDS	MANCHESTER ANNEX	6,838	8,575	371	2,108	31%	Requirement).
North Carolina	FUDS	MANTEO NAV AUX AIR ST	230	1,136	92	999	435%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
								Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate
Tennessee	FUDS	MILLINGTON ORD WORKS	39	146	2	109	282%	Requirement). Standards or Regulations – Regulation Change – A broad-scale or
Alabama	FUDS	MONTGOMERY AF STATION	39	146	5	112	290%	national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
								Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate
West Virginia	FUDS	MORGANTOWN OW	20	193	1	174	851%	Requirement). Standards or Regulations – Regulation Change – A broad-scale or
.	5110.0							national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate
Massachusetts	FUDS	MOVING TAR MACH GUN RG	315	855	11	551	175%	Requirement).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
Alaska	FUDS	MT.EDGECUMBE/SITKA NOB	301	1,131	25	855	284%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Michigan	FUDS	MUSKEGON ORD PLANT	529		132			Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Northern Mariana	FUDS	NAFTAN BOMB STORAGE	35,373	138,899	140	103,666	293%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Northern Mariana Islands	FUDS	NAFTAN ORDNANCE DISPOSAL	4,336	4,840	51	555	13%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Massachusetts	FUDS	NANTUCKET BCH	285				217%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
								 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant
Oregon Rhode Island	FUDS FUDS	NAV AIR STA, TONGUE POINT	7,305	8,548 8,708	2,140 4,331	3,383		and Appropriate Requirement). Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
California	FUDS	NAVAL AUXILIARY AIR STATION ARCATA	5,295		6,582	2,730		Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
		NAVAL AUXILIARY AIR						1) Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). 2) Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant
California Nevada	FUDS FUDS	STATION SANTA ROSA	286	50,083	803	1,292		and Appropriate Requirement). Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Pennsylvania	FUDS	NEW CUMBERLAND ARMY DEPOT	707	843				Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project
Maryland	FUDS	NIKE BA-30/31 (TOLCHESTER)	130	191	43	104	81%	scope).
New York	FUDS	NIKE BU 34/35	97	56	1,326	1,285	1326%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Indiana	FUDS	NIKE C-32 - INDIANA DUNES	4,163	5.065				Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Illinois	FUDS	NIKE C-80/81 - ARLINGTON	20	23				Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Michigan	FUDS	NIKE D-97 - OAKLAND COMMUNITY COLLEGE	113	4,687	88			Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Maine	FUDS	NIKE LO-13	57	40	56	39	68%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Pennsylvania	FUDS	NIKE PH-75/78 (MEDIA)	163	148	80	65	40%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Alaska	FUDS	NIKE SITE BAY	2,998	6,010	179	3,191	106%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Illinois	FUDS	NIKE SL-10 - MARINE	2,249	2,373	101	225	10%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Maryland	FUDS	NIKE W-44 (WALDORF)	1,038	1,413	71	446	43%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
lowa	FUDS	OFFUTT AFB AF FAC S-3	12,180	20,865	373	9,058	74%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Virginia	FUDS	OYSTER POINT STORAGE AREA	4,065	4,021	843	799	20%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple
California	FUDS	PARKS AFB	8,334	11,125	940	3,731		sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
South Dakota	FUDS	PINE RIDGE GUNNERY RANGE	7.070	21,000	1,041	14,971	212%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
	1000		1,010	21,000	1,041	14,071	212/0	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate
New York	FUDS	PLATTSBURGH ATLAS S-6	107	102	52	47	44%	Requirement). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly
Ohio	FUDS	PLUM BROOK ORD WORKS	8,127	8,688	674	. 1,235	15%	promulgated or modified Applicable or Relevant and Appropriate Requirement).
Virginia	FUDS	PLUM TREE ISLAND RANGE	18,105	27,701	130	9,726	54%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Idaho	FUDS	POCATELLO BOMBING RANGE #3	2,421	2,996			25%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Wyoming	FUDS	POLE MOUNTAIN	25,234	115,154	57			Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
		PORT ANGELES COMBAT						 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant
Washington	FUDS	RANGE	1,722	3,152	264	1,694	98%	and Appropriate Requirement). Project Scope – Added cleanup phases as the project progresses
Puerto Rico	FUDS	PUERTO RICO BOMB RANGE	3,127	3,840	78	791	25%	(e.g., feasibility study or remedial action operation added to project scope). Project Scope – Added cleanup phases as the project progresses
Rhode Island	FUDS	QUARRY DISPOSAL SITE	626	1,107	98	579	92%	(e.g., feasibility study or remedial action operation added to project scope).
Rhode Island	FUDS	QUONSET POINT NAS	57,800	66,214	2,647	11,061		 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	FY 2019 Cost Estimate (\$000)	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project
Michigan	FUDS	RACO AAF-HIAWATHA NF	3,717	4,808	433	1,524	41%	scope).
Florida	FUDS	RICHMOND NAS	140	247	421	528	378%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
California	FUDS	SAN FRANCISCO NIKE BATTERY 08-09	60	32	290	262	435%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Kansas	FUDS	SCHILLING AFB	6	7	56	57	929%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Kanada	5450			0.475	470	4 004	0.1%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate
Kansas	FUDS	SCHILLING AFB ATLAS S-01	1,384	2,475	173	1,264	91%	Requirement). Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project
Kansas	FUDS	SCHILLING AFB ATLAS S-02	360	1,944	98	1,682	467%	scope).
Kansas	FUDS	SCHILLING AFB ATLAS S-12	1,866	2,855	100	1,089	58%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Minner			0.000	0.000		00.4	0.40/	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project
Missouri	FUDS	SEDALIA AAF RIFLE RANGE	2,900		55			scope). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate
Vermont	FUDS	ST ALBANS AFS Z-14	54	52	44	42	78%	Requirement). Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project
South Carolina	FUDS	STARK GENERAL HOSP	1,324	1,724	90	490	37%	scope).
Nevada	FUDS	STEAD AFB	0	170	5			Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Alaska	FUDS	TIGALDA ISLAND	131	96	69	34	26%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).

State	DoD Component	Installation Name	FY 2018 Cost Estimate Adjusted for Inflation (\$000)	Cost	FY 2019 Funds Obligated (\$000)	Cost Estimate Change (\$000)	Cost Estimate Change (Percentage)	Reason(s)
								Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly
Massachusetts	FUDS	TISBURY GREAT POND	783	868	237	322	41%	promulgated or modified Applicable or Relevant and Appropriate Requirement).
								Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate
California	FUDS	TRAVIS AFB NIKE BATTERY 10	221	108	534	421	190%	Requirement). Project Scope – Added cleanup phases as the project progresses
Georgia	FUDS	TRAVIS FIELD	0	211	8	219	N/A	(e.g., feasibility study or remedial action operation added to project scope).
Mississippi	FUDS	VAN DORN-ARMY TRNG CAMP	12,345	62,014	33	49,702	403%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).
Hawaii	FUDS	WAIKANE TRAINING AREA	3.277	4,697	78	1,498	46%	Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Hawaii	FUDS	WAIKOLOA MANEUVER AREA	286,575		4,316		16%	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
								Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate
Massachusetts	FUDS	WATERTOWN ARSENAL	672	880	55	263	39%	Requirement). Standards or Regulations – Regulation Change – A broad-scale or
North Carolina	FUDS	WEEKSVILLE NAV AIR FAC	31	146	11	126	413%	national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Alaska	FUDS	YAKUTAT AFB	5,458	4,483	1,996	1,021	19%	 Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope). Standards or Regulations – Regulation Change – A broad-scale or national change in regulation that impacts multiple sites (e.g., newly promulgated or modified Applicable or Relevant and Appropriate Requirement).
Ohio	FUDS	YOUNGSTOWN MUNIC AIRPORT	4,163	4,830	41	708	17%	Project Scope – Added cleanup phases as the project progresses (e.g., feasibility study or remedial action operation added to project scope).