



Energy Savings Performance Projects Completed Through DOT&PF Statewide Public Facilities

Last Updated:		April 23, 2019		Project Energy Savings												Project Total Energy Savings (\$)	Total Project Cost (\$)	Fund Source	ESCO	Notes
Related ESPC RFP #	Project No.	Agency	Project Name	Year Completed	Facility(s)	Total Bldg Sq. Ft.	City	Project Scope	Elec kW	Elec (kWh)	Gas (CCF)	Heating Oil (Gal)	Heating Oil (\$)	Water (kGal)	Project Total Energy Savings (\$)	Total Project Cost (\$)	Fund Source	ESCO	Notes	

CUMULATIVE ENERGY SAVINGS TOTALS=>
(For Completed Projects)

9,954,558 162,291 308,476 41,686

\$ 37,904,307

2019

2		DEC	Environmental Health Laboratory Energy upgrades	in-progress	Environmental Health Lab		Anchorage	Comprehensive: Heating systems, ventilation, interior and exterior lighting, and more									Financing TBD	Siemens	Final IGA&ESP in progress
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1		DOT&PF	Anton Anderson Memorial Tunnel Campus	in-progress	Anton Anderson Memorial Tunnel Campus	242,735	Whittier	Building lighting, Tunnel Lighting, lighting contrls, VFDs, SCADA		714,547					\$ 169,792	\$ 2,952,144	Financed: Bank of America	Johnson Controls	Construction in progress
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2016

9		DOC	Spring Creek Correctional Center Energy Upgrades	2016	Spring Creek Correctional Center	205,952	Seward	Exterior bldg and mast lighting, interior lighting, central heating plant upgrades, DDC Optimization	2,889	1,120,944		43,904	148,949		\$ 349,041	\$ 3,197,162	Financed: Bank of America	Siemens	Energy & cost savings data from Siemens 2016 M&V Report
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2015

11		DOT&PF	DOT&PF Northern Region Energy Upgrades	2016	Multiple Northern Region Maintenance Facilities	115,846	Chitina, Enerstine, Gulkana, Nelchina, Paxson Fairbanks, Slana, St. Mary's, Tazlina	Interior and exterior lighting, DDC upgrades, heating system upgrades, programmable thermostats, building envelope upgrades, CHP, re-commissioning study	1,243	375,544		27,103	84,714		\$ 261,241	\$ 3,555,534	Financed: Bank of America	Siemens	Energy & cost savings data from Siemens 2016 M&V Report
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8	PJ 81121-A	DEED	MEHS Campus-Wide Energy Upgrades (Ph-2)	2014	Bldg 289-Central Heating Plant, Bldg 290-Cafeteria , Bldg 292-Boys Dorm,	226,431	Sitka	Campus Wide DDC Upgrades, Bldg 1331-Gym Hydronic Heating Piping Replacement, Upper		153,027		39,361	\$ 157,444		\$ 234,881	\$ 2,721,701	State Funded	Siemens	Need to update with 2014 M&V Report
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2013

7	PJ 81136	DFG	Fairbanks Regional Headquarters Energy	2014	Regional HQ Bldg, Indoor Shooting, Range, Sealing Laboratory	39,632	Fairbanks	Lighting Upgrades, lighting controls, laboratory	363	122,060		4,841			\$ 43,434	\$ 521,822	State Funded	Ameresco	
1	PJ 80058	DOC	Dept. of Corrections Facilities (Change Order)	2013	Lemon Creek Correctional Center	85,088	Juneau	DDC Upgrade to Supply Fan (SF-3) system in 'Mod Section' of LCCCC				1,099	\$ 2,660		\$ 2,660	\$ 221,534	State Funded	Siemens	Energy & cost savings data from Siemens 2013 IGA&ESP.
8	PJ 81121	DEED	MEHS Upper Campus Heating Upgrades (Ph-1)	2013	Bldg 289-Central Heating Plant, Bldg 290-Cafeteria , Bldg 292-Boys Dorm, Bldg 293-Girls Dorm, Bldg 295-		Sitka	Upper Campus Heating Plant Boiler Replacements, Primary Heating and Domestic Water Distribution Piping Replacements,		4,192		27,430	\$ 109,721		\$ 155,077	\$ 1,809,569	State Funded	Siemens	Energy & cost savings data from Siemens 2014 M&V Report

2012

1	83080-A	DOT&PF-SR	DOT&PF-Southeast Region Facilities	2012	7-Mile Facility	53,700	Juneau	Heating System Replacement, DDC Upgrade, VFD drives and high efficiency motors		24,157		5,688						ARRA Funded		
1	83080-A	DOC	Dept. of Corrections Facilities	2012	AMHS Maint Bldg	5,000	Juneau	Lighting Upgrades, Destrat Fan		42,648		(187)								
1	83080-A	DOC	Dept. of Corrections Facilities	2012	Sitka State & City Office	28,138	Sitka	Lighting Upgrades, Lighting Controls		67,127		(934)								
1	83080-A	DOC	Dept. of Corrections Facilities	2012	Ketchikan State Court & Office	36,218	Ketchikan	Boiler Replacements, VFDs, 3-Way Valves		4,979		4,204								
1	83080-A	DOC	Dept. of Corrections Facilities	2012	Ketchikan Correctional Center	18,092	Ketchikan	Boiler Replacements				5,813						ARRA Funded & State Funded	Siemens	Energy & cost savings data from Siemens 2012 M&V Report
1	83080-A	DOC	Dept. of Corrections Facilities	2012	Lemon Creek Correctional Laundry	9,066	Juneau	Thermal Fluid Heating System				3,607								



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1	83080-A	DEED	Dept. of Education Facilities	2012	MEHS Gymnasium Bldg	53,826	Sitka	Lighting Upgrades, Lighting Controls		71,041		(1,037)					\$ 8,122	\$ 327,956	ARRA Funded	Siemens	Energy & cost data from Siemens 2012 M&V Report
					Sitka SJ Muesum	6,500	Sitka	Lighting Upgrades, Lighting Controls, Demand Controlled Ventilation		35,803											
2	83080-B: DOTPF-CR	DOT&PF-CR	DOT&PF- Central Region Facilities	2012	Palmer Vehicle Maintenance Shop	12,600	Palmer	Lighting Upgrades, Lighting Controls, Boiler Rep	43	23,790	48,846						\$ 55,389	\$ 1,290,320	ARRA Funded	Ameresco	Energy & cost data from Ameresco 2012 M&V Report
					Communications Bldg	12,432	Anchorage	Lighting Upgrades, Lighting Controls, Boiler Rep	277	113,188	645										
2	83080-B: DOL&WD	DOL&WD	AVTEC Facilities	2012	AVTEC First Lake Facility	20,000	Seward	Lighting Upgrades, Lighting Control Upgrades, B	384	112,753		2,391	\$ 6,189				\$ 29,172	\$ 334,950	ARRA Funded	Ameresco	Energy & cost data from Ameresco 2012 M&V Report
2	83080-B: DF&G	DF&G	DF&G Cordova Facilities	2012	Cordova Administration Bldg	3,920	Cordova	High Eff. Boiler Replacment, Lighting, Upgrades, Lighting controls, DDC Upgrades, instantaneou	45	11,447		684	\$ 2,331				\$ 9,471		ARRA Funded	Ameresco	Energy & cost data from Ameresco 2012 M&V Report
					Cordova Bunkhouse	3,876	Cordova	High Eff. Boiler Replacment, Lighting, Upgrades,	21	2,253		729	\$ 2,474				\$ 328,374				
2	83080-B: DNR	DNR	DNR Facilities	2012	Forestry Palmer Admin Bldg	15,678	Palmer	High Eff. Boiler Replacement, Lighting Controls, DDC system improvements, Instantaneous Hot Water Heater		6,047	2,732								ARRA Funded	Ameresco	Energy & cost data from Ameresco 2012 M&V Report
					Forestry Palmer Warehouse Bldg	18,000	Palmer	Lighting upgrades, lighting controls, radiant heat controls, night temperature setback, unified water metering	94	18,712	1,540										
					Forestry Palmer Hanger	15,000	Palmer	Lighting upgrades, lighting controls, radiant heat controls, vehicle door replacement, hanger door seal, instantaneou	104	33,795	2,239										
3	83080-C: DOTPF-NR	DOT&PF-NR	DOT&PF-Northern Region Facilities	2012	Peger Road HQ Bldg	21,900	Fairbanks	Hydronic Heating System, High Eff. Motors, DDC Upgrades, Window Replacement		509,317		(10,989)					\$ 58,580	\$ 1,274,413	ARRA Funded	Siemens	Energy & cost data from Siemens 2012 M&V Report
3	83080-C: DPS	DPS	DPS Facilities	2012	Coldfoot Hanger	4,053	Coldfoot	Lighting Upgrades, Heating System Upgrade, Building Envelope Upgrades		5,040		1,183					\$ 7,412	\$ 326,889	ARRA Funded	Siemens	Energy & cost data from Siemens 2012 M&V Report
3	83080-C: DMVA	DMVA	DMVA Facilities	2012	Anchorage Armory	210,283	JBER	High Eff. Boiler Upgrade			33,359						\$ 27,066	\$ 669,123	ARRA Funded	Siemens	Energy & cost savings data from Siemens 2012 M&V Report
4	83080-D: DOA	DOA	DOA Facilities	2012	Atwood Bldg	338,000	Anchorage	DDC Upgrades, Stack Effect Correction			3,333						\$ 10,610	\$ 932,202	ARRA Funded	Siemens	Energy & cost savings data from Siemens 2012 M&V Report
					Community Bldg	22,400	Juneau	DDC Heating System Upgrades,				2,989	\$ 7,145								
5	83080-E: DHSS	DHSS	DHSS Facilities	2012	Assets Bldg	24,310	Anchorage	High Efficiency Boiler Upgrade			2,844						\$ 8,619	\$ 351,317	ARRA Funded	Ameresco	Energy & cost savings data from Ameresco engineering data
					McLaughlin Youth Center	60,705	Anchorage	Lighting and Lighting Control Upgrades		70,714											
6	PJ 54552	DOT&PF-CR	Aviation Bldg Boiler Upgrades	2012	DOTPF-CR Aviation Bldg Boilers	62,000	Anchorage	High Efficiency Boiler Upgrade, DDC Panel Upgrades, AHU O/A Damper Improvements			11,045						\$ 7,765	\$ 495,856	State Funded	Siemens	Energy & cost savings data from Siemens 2012 IGA&ESP

2011

N/A	DOA	State of Alaska: Department of Corrections Energy Savings		2009	Anchorage Correctional Center		Anchorage	Comprehensive													
				2009	Hiland Mountain Correctional		Eagle River														
				2009	Spring Creek Correctional		Seward														
				2009	Wildwood Correctional		Kenai														
									5,856	2,530,262	17,202	58,200		29,762	6	966,252	6	0,000,000	Financed: Siemens Financial Services	Siemens	Energy & cost savings data from Siemens Year (3)



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N/A	DOC	Performance Project (Phase 2)		2009	Fairbanks Correctional		Fairbanks		5,650	5,556,200	42,202	36,200	36,703	366,253	3,000,000			Siemens	M&V Report submitted 2012	
				2009	Lemon Creek Correctional		Juneau													
				2009	Yukon Kuskokwim Correctional		Bethel													
				2009	Anvil Mountain Correctional		Nome													

N/A	DOT&PF/DOA	State of Alaska: Department of Administration / Department of Transportation & Public Facilities Energy Savings Performance Project (Phase 1)	2006	Dimond Courthouse		Juneau	Comprehensive	437	2,722,793	13,506	92,352									
			2006	Alaska Office Building		Juneau														
			2006	Court Plaza Building		Juneau														
			2006	Douglas Island Building		Juneau														
			2006	State Office Building		Juneau														
			2006	Aviation Building		Anchorage														
			2006	DOT&PF Annex Building		Anchorage														
			2006	Public Safety Building		Anchorage														