



# Energy Efficient State Property Revolving Fund Loan Program

American Reinvestment and Recovery Act



## Executive Summary September 2011

The Department of General Services (DGS) and its contractors continue to implement energy efficiency in sixty-two state-owned facilities and five parking lots.

### Small Building Program

- Projects at all California Highway Patrol and Department of Motor Vehicles field offices are complete. Project close outs at both departments will be completed within the next month.
- One Department of Mental Health hospital is complete. The scope of the lighting retrofit at a second facility has been finalized and work commenced in September. This project will be completed in December.
- Lighting retrofits compatible with the needs of Department of Developmental Services' clients have begun, with project closeout occurring in October. Uncertainties about the scope of the lighting retrofit at Sonoma have been resolved and work will be completed in December. Installation of variable fan drives (VFD) at Sonoma and Porterville are underway.
- At the Department of Water Resources, all projects are nearing completion. An HVAC upgrade at the Kelly Ridge Visitors' Center will be underway in early October and will be over in early December.

### Large Building Program

- Most projects are completed and undergoing measurements of energy savings.
- Two chiller projects are in progress; one will be completed in November, the other in December.

### CDCR & OCIO Managed Projects

- CDCR: All projects are nearing completion. Invoices totaling approximately \$2 million will be submitted for payment in the coming month.
- OCIO: Twenty-four computer room air conditioning (CRAC) units have been installed, the lighting retrofit is complete, and the work on air handling equipment is proceeding according to schedule for completion in December.

### Program Management

- On September 9, 2011, the Legislature amended AB 1392 authorizing the CEC to transfer an additional \$50 million to the Energy Efficient State Property Revolving Fund for FYs 2011-12 and 2012-13. This is in addition to the \$25 million transferred in FY2009-10. This assumes that CEC has secured a positive opinion from the Department of Energy that transfers of ARRA funds to sub-grantees (such as DGS) are considered "spent" for purposes of complying with the April 30, 2012 deadline for expenditure. DGS has requested that this determination be provided by the DOE in writing before it will accept the funds.
- DGS has created a web site for the Energy Efficient State Property Revolving Fund Loan Program, <http://www.dgs.ca.gov/resd/Programs/greenbuilding.aspx>.
- Total funds disbursed to date are \$14,197,660. This is 56 percent of funds allocated to this program.



Energy Efficient State Property Revolving Loan Program

9/22/2011

Program/Loan Agreement	Loan Amt	Vendors	Jobs*	Disbursed
<b>DGS Large Buildings Program</b>				
Loan 101 DGS amendment	\$5,927,891	Various	64.0	\$4,236,801
Loan 104-OFAM	\$554,898	SmartWatt	6.0	\$467,163
Loan 106-CHP	\$157,080	SmartWatt	1.7	\$106,795
<b>Total</b>	<b>\$6,639,869</b>			<b>\$4,810,759</b>

**Past 30-Day Activities (September - 2011)**

**Loan 101: C: 02/10 - 03/12.** This loan package is comprised of energy efficient projects in 9 buildings.

**BOE:** 90% complete. Lighting upgrade complete; the installation of variable frequency drives on the chiller is 100% complete; the optimization of controls is 70% complete; chilled water valves replacement is 100% complete. Expanded scope to upgrade boiler burners 50% complete.

**Bateson:** 99% complete. Filter replacement and coil cleaning 100% complete; lighting upgrade approximately 100% complete.

**CEC:** 100% complete. Controls upgrade for Air Handling Units, hot water recirculation pumps, exhaust fans, and night cooling is complete; occupancy sensor issues have been resolved and lighting controls update is now complete; project closeout February 2011.

**Bonderson Building:** As of September 5, 2011, BPM and the contractor SmartWatt have completed the inspection and M&V process. Final invoice for this project is now in BOPP for processing. BPM will start preparation for Project close out and Department of Finance Audit Phase once invoice has been processed.

**Secretary of State:** 100% complete. Filter replacement and coil cleaning 100% complete; lighting upgrade approximately 100% complete; compressor installation approximately 100% complete.

**San Diego (Cal Trans District 11 and Mission Valley):** 95% complete. As of September 5, 2011, BPM and the contractor SmartWatt for the Mission Valley Project have completed the inspection and M&V process. Final invoicing for this project is complete. BPM has started preparation for Project close out and Department of Finance Audit Phase. Caltrans District 11's inspection and M&V process is now complete, final invoice has been approved and now is in BOPP for processing. BPM will start preparation for Project close out.

**Cal Trans District 11:** 90% complete. JCI design for chiller retrofit is complete. Construction underway; additional hardware was ordered and piping modification is underway.

**Fresno:** Controls upgrade is 100% complete; design for chiller replacement approved by DGS. Chiller on order; construction planned to begin September 2011. Expected completion date November 2011.

**Jesse Unruh:** 100% complete. Filter replacement and coil cleaning 100% complete; lighting upgrade 100% complete.

**Loan 104: OFAM Parking Lots -** As of September 5, 2011, Lots 8, 14, 38, 50 and 55 are 100% complete. BPM and the contractor SmartWatt have completed the inspection and M&V process. Final invoicing for this project is complete. BPM has started preparation for Project close out.

**Loan 106: CHP HQ.** As of September 5, 2011, work on the lighting retrofit has resumed after being halted due to the Asbestos Abatement Project by CHP. Completion of this project tentatively will be the end of September. The Inspection and M&V process are tentatively scheduled for October.

Program/Loan Agreement	Loan Amt	Vendors	Jobs*	Disbursed
<b>Small Buildings Program</b>				
Loan 108-DMH/Atascadero	\$673,297	JCI	7.3	\$337,247
Loan 110-DMH/Patton	\$399,790	JCI	4.3	\$324,344
Loan 114-CHP	\$1,848,511	JCI	20.0	\$1,385,614
Loan 116-DMV	\$1,324,365	JCI	14.3	\$973,828
Loan 118-DWR	\$931,965	JCI	10.1	\$547,327
Loan 120-DDS	\$4,993,118	JCI	53.9	\$3,187,019
<b>Total</b>	<b>\$10,171,046</b>			<b>\$6,755,379</b>

**Past 30-Day Activities (September- 2011)**

**Loan 108: DMH, Atascadero.** C:2/11 - 12/11; 15% complete. Contractor has completed re-auditing due to data entry errors and scope was refined; DMH asked for further revisions; site work will be delayed until mid-September, 2011.

**Loan 110: DMH Patton SH.** C: 1/11 - 5/11; 100% complete.

**Loan 114: CHP (18 sites).** C: 12/10 - 9/11; 100% complete. All eighteen interior and exterior lighting retrofits completed; punch list items being worked on. Eight out of eight HVAC installations completed.

**Loan 116: DMV (18 sites).** C: 12/10- 9/11; 100% complete. All eighteen interior and exterior lighting retrofits completed; punch list items being worked on. Three out of three HVAC installations complete.

**Loan 118: DWR (4 sites).** C: 12/10 - 12/11; 90% complete. All four interior lighting retrofits completed. All three exterior lighting retrofits completed. Vista Del Lago HVAC completed; Bryte HVAC scheduled to begin early October as all issues have been resolved; Romero HVAC underway.

**Loan 120: DDS (3 campuses).** C:1/11 - 12/11; 35% complete. Lighting scheme/mock-up to determine optimum solution for autistic clients at Fairview approved by DGS and DDS and installation are underway; expected completion October 31, 2011. Sonoma lighting installation is delayed pending DDS decision on funding requested lamp holders replacement. Sonoma VFD installation 80% complete; Porterville VFD installation 5% complete.

**CDCR Energy Retrofits**

Loan 102 CDCR	\$4,108,998	CDCR ESCO	44.4	\$1,515,475
Loan 124 CDCR	\$1,512,401	CDCR ESCO	16.3	\$788,846

**Past 30-Day Activities (September - 2011)**

**Loan 102: CCI Tehachapi, Salinas Valley, and Corcoran State Prisons.** C: 9/10 - 12/11; this project is being managed by CDCR. Salinas Valley State Prison –90% complete. Tehachapi Correctional Institute – 95% complete. Corcoran State Prison EMS Project – 95% complete. Corcoran lighting construction is 95% complete.

**Loan 124: , Corcoran State Prison Substance Abuse Treatment Facility (SATF), and CA Rehabilitation Center Norco.** C: 12/10 - 12/11; this project is being managed by CDCR. SATF – 60% complete. CRC Norco – 95% complete.

Program/Loan Agreement	Loan Amt	Vendors	Jobs*	Disbursed
<b>CA Technology Agency (Office of Chief Information Officer) Energy Retrofits</b>				
Loan 112-OCIO	\$2,299,562	ABM	24.8	\$33,312

**Past 30-Day Activities (September - 2011)**

**Gold Camp C:** 12/10 - 12/11; 55% complete. Arrival and installation of the computer room air conditioning (CRAC) units began the last week of March (24 of 29 total installed). Contract for modifications to the cooling towers and the heat exchangers has been executed; materials on order; installation estimated to begin September 15, 2011. Lighting retrofit 100% complete. This project managed by the OCIO.

<b>Administration</b>	\$400,146	DGS	4.3	\$293,889
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**Past 30-Day Activities (September - 2011)**

Program Administration includes costs associated with program oversight, legal counsel, accounting support, and federal reporting. In June 2011, the original allocation of \$268,124 was augmented by \$132,022, interest earned from the Surplus Money Investment Fund (SMIF).

<b>Total Program</b>	<b>\$25,132,022</b>		<b>271.4 *</b>	<b>\$14,197,660</b>
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\* The number of jobs created is based upon a calculation provided by the President's Council of Economic Advisors (10.8 per \$1 million of construction).

**ARRA Energy Efficient State Property Revolving Fund  
Projects in Progress  
Revised September 22, 2011**

Project/Building	DGS Project #	Energy Measure	ARRA-Funded Loan Amount*	Contractor	Construction Contract Cost	Amount Disbursed to Date	Annual Savings			Simple Payback (years)	
							kWh	Therms	Dollars		
<b>SMALL BUILDINGS PROGRAM</b>											
<b>Department of Motor Vehicles - Loan 116</b>											
Arleta Field Office	131601	Lighting Upgrade	\$1,324,365	Johnson Controls, Inc.	\$54,372	\$56,739	45,438		\$5,355	10.2	
		Web-Based Monitoring			\$10,000						
Chula Vista	131602	Lighting Upgrade			\$63,437	\$65,033	45,996			\$8,000	7.9
		Web-Based Monitoring			\$10,000						
El Cajon	131603	Lighting Upgrade			\$12,214	\$18,231	34,065			\$6,295	1.9
		Web-Based Monitoring			\$10,000						
Hanford	131604	Lighting Upgrade			\$21,433	\$26,601	18,707			\$2,285	9.4
		Web-Based Monitoring			\$10,000						
Hollister	131605	Lighting Upgrade			\$5,582	\$12,958	11,490			\$2,053	2.7
		Web-Based Monitoring			\$10,000						
Merced	131606	Lighting Upgrade			\$46,172	\$49,541	39,651			\$6,060	7.6
		Web-Based Monitoring			\$10,000						
Modesto	131607	Lighting Upgrade			\$16,127	\$21,746	30,068			\$3,307	4.9
		Web-Based Monitoring			\$10,000						
Mountain View	131608	Lighting Upgrade			\$20,989	\$26,194	32,983			\$5,218	4.0
		Web-Based Monitoring			\$10,000						
Oakland Claremont	131609	Lighting Upgrade			\$59,993	\$61,882	57,199			\$8,993	6.7
		Web-Based Monitoring			\$10,000						
Oakland Coliseum	131610	Lighting Upgrade			\$52,468	\$55,345	37,350			\$5,479	9.6
		Web-Based Monitoring			\$10,000						
Redwood City	131611	Lighting Upgrade	\$58,704	\$61,095	41,468			\$6,494	9.0		
		Web-Based Monitoring	\$10,000								
Sacramento	131612	Lighting Upgrade	\$24,416	\$224,373	24,621	776		\$2,868	8.5		
		HVAC Upgrade	\$209,386								
		Web-Based Monitoring	\$10,000								
San Diego	131613	Lighting Upgrade	\$43,507	\$37,809	41,654			\$7,543	5.8		
		Web-Based Monitoring	\$10,000								
San Mateo	131614	Lighting Upgrade	\$17,519	\$23,123	53,406			\$9,196	1.9		
		Web-Based Monitoring	\$10,000								
Turlock	131615	Lighting Upgrade	\$26,668	\$102,008	36,099	253		\$3,913	6.8		
		HVAC Upgrade	\$76,410								
		Web-Based Monitoring	\$10,000								
Visalia	131616	Lighting Upgrade	\$23,380	\$28,400	40,494			\$4,564	5.1		
		Web-Based Monitoring	\$10,000								
Watsonville	131617	Lighting Upgrade	\$8,747	\$15,035	13,414			\$2,365	3.7		
		Web-Based Monitoring	\$10,000								
Yuba City	131618	Lighting Upgrade	\$10,960	\$87,716	20,391	713		\$3,538	3.1		
		HVAC Upgrade	\$76,724								
		Web-Based Monitoring	\$10,000								
<b>Total DMV</b>			<b>\$1,324,365</b>		<b>\$1,109,208</b>	<b>\$973,828</b>	<b>721,028</b>	<b>1,742</b>	<b>\$107,138</b>	<b>12.4</b>	
<b>CA Highway Patrol - Loan 114</b>											
Altadena Area	131621	Lighting Upgrade	\$16,744		\$122,404	55,552		\$6,450	2.6		
		HVAC Upgrade	\$108,729								
		Web-Based Monitoring	\$10,000								
Central Los Angeles Area	131622	Lighting Upgrade	\$65,945		\$67,771	92,763		\$10,511	6.3		
		Web-Based Monitoring	\$10,000								
Coalinga Area	131623	Lighting Upgrade	\$20,158		\$107,790	32,697		\$5,695	3.5		
		HVAC Upgrade	\$37,906								
		Rezone HVAC	\$51,285								
		Web-Based Monitoring	\$10,000								
El Cajon Area	131624	Lighting Upgrade	\$42,316		\$45,986	43,144		\$8,141	5.2		
		Web-Based Monitoring	\$10,000								
Fort Tejon Area	131625	Lighting Upgrade	\$30,837		\$37,011	33,523		\$4,274	7.2		
		Web-Based Monitoring	\$10,000								
Fresno Area	131626	Lighting Upgrade	\$45,960		\$49,041	97,278		\$13,142	3.5		
		Web-Based Monitoring	\$10,000								
Hanford Area	131627	Lighting Upgrade	\$29,836		\$85,091	45,638		\$7,243	4.1		
		HVAC Upgrade	\$54,894								
		Web-Based Monitoring	\$10,000								

\*The ARRA-funded loan amount includes all project costs (construction cost, construction contingency, A/E costs, loan administration costs).

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							kWh	Therms	Dollars			
Hayward Area	131628	Lighting Upgrade	\$1,848,511	Johnson Controls, Inc.	\$35,118	\$39,122	75,448		\$13,142	2.7		
		Web-Based Monitoring			\$10,000							
Hollister-Gilroy Area	131629	Lighting Upgrade			\$18,417	\$115,931		33,523		\$6,041	3.0	
		HVAC Upgrade										\$101,810
Madera Area	131630	Lighting Upgrade			\$22,214	\$27,451		38,988		\$6,791	3.3	
		Web-Based Monitoring										\$10,000
Merced Area	131631	Lighting Upgrade			\$26,682	\$230,545		158,131		\$27,545	1.0	
		HVAC Upgrade										\$216,146
Modesto Area	131632	Lighting Upgrade			\$46,656	\$135,878		119,777		\$14,674	3.2	
		HVAC Upgrade										\$93,392
Oakland Area	131633	Lighting Upgrade			\$43,060	\$46,389		119,777		\$20,864	2.1	
		Web-Based Monitoring										\$10,000
Redwood City Area	131634	Lighting Upgrade			\$23,323	\$28,333		44,109		\$7,683	3.0	
		Web-Based Monitoring										\$10,000
San Jose Area	131635	Lighting Upgrade	\$26,620	\$29,541		82,777		\$14,419	1.8			
		Web-Based Monitoring								\$10,000		
South Los Angeles Area	131636	Lighting Upgrade	\$42,434	\$45,815		137,410		\$16,064	2.6			
		Web-Based Monitoring								\$10,000		
West Los Angeles Area	131637	Lighting Upgrade	\$19,421	\$37,127		82,806		\$9,466	2.1			
		Rezone HVAC								\$51,286		
Yuba-Sutter Area	131638	Lighting Upgrade	\$18,274	\$134,387		41,801		\$7,281	2.5			
		HVAC Upgrade								\$68,786		
		Rezone HVAC	\$1,285					\$3,235	21.3			
		Web-Based Monitoring	\$10,000									
<b>Total CHP</b>			<b>\$1,848,511</b>		<b>\$1,589,534</b>	<b>\$1,385,614</b>	<b>1,493,176</b>	<b>2,258</b>	<b>\$227,338</b>	<b>8.1</b>		
<b>Department of Developmental Services - Loan 120</b>												
Fairview	131596	Lighting Upgrade	\$4,993,118	Johnson Controls, Inc.	\$1,353,891	\$1,133,693	2,101,987		\$257,624	5.3		
		Web-Based Monitoring			\$10,000							
Sonoma	131597	HVAC Upgrade - Nelson			\$618,634	\$1,813,056		865,790	27,778	\$161,865	7.5	
		HVAC Upgrade - EJOR										\$615,360
Porterville	131598	Web-Based Monitoring			\$10,000	\$240,270		1,069,858	79,560	\$139,020	5.1	
		HVAC - VAV Conversion										\$711,991
		Web-Based Monitoring			\$10,000							
<b>Total DDS</b>					<b>\$4,993,118</b>		<b>\$4,543,912</b>	<b>\$3,187,019</b>	<b>5,332,560</b>	<b>115,674</b>	<b>\$825,884</b>	<b>6.0</b>
<b>Department of Mental Health</b>												
<b>DMH - Loan 108</b>												
Atascadero	131599	Lighting Upgrade			\$673,297	Johnson Controls, Inc.	\$352,466	\$337,247	572,066		\$68,648	5.1
		Web-Based Monitoring					\$10,000					
<b>DMH - Loan 110</b>												
Patton	131600	Lighting Upgrade			\$399,790	Johnson Controls, Inc.	\$606,854	\$324,344	405,692		\$48,827	12.4
		Web-Based Monitoring	\$10,000									
<b>Total DMH</b>			<b>\$1,073,087</b>		<b>\$979,320</b>	<b>\$661,591</b>	<b>977,758</b>		<b>\$117,475</b>	<b>9.1</b>		
<b>Department of Water Resources - Loan 118</b>												
Bryte Chemical Lab	131592	Lighting Upgrade	\$931,965	Johnson Controls, Inc.	\$71,742	\$155,265	76,415	9,171	\$11,497	6.2		
		HVAC Upgrade			\$310,961							
Oroville Visitors Center	131593	Web-Based Monitoring			\$10,000	\$74,751		170,750		\$34,803	8.9	
		Lighting Upgrade										\$46,563
Romero Overlook	131594	HVAC Upgrade			\$57,873	\$43,162		28,937	1,400	\$5,718	10.1	
		Web-Based Monitoring										\$10,000
Vista Del Lago	131595	Lighting Upgrade			\$1,126	\$274,150		17,628		\$2,914	0.4	
		HVAC Upgrade										\$99,927
		Web-Based Monitoring			\$10,000					\$2,258	44.3	
		Lighting Upgrade			\$130,899			114,004		\$15,603	8.4	
		HVAC Upgrade			\$70,000			59,057		\$8,083	8.7	
		Web-Based Monitoring			\$10,000							
<b>Total DWR</b>					<b>\$931,965</b>		<b>\$829,091</b>	<b>\$547,327</b>	<b>503,021</b>	<b>10,571</b>	<b>\$84,623</b>	<b>11.0</b>
<b>Total Small Buildings Program</b>					<b>\$10,171,046</b>		<b>\$9,051,065</b>	<b>\$6,755,379</b>	<b>9,027,543</b>	<b>130,245</b>	<b>\$1,362,458</b>	<b>7.5</b>

\*The ARRA-funded loan amount includes all project costs (construction cost, construction contingency, A/E costs, loan administration costs).

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Projects in Progress  
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Project/Building	DGS Project #	Energy Measure	ARRA-Funded Loan Amount*	Contractor	Construction Contract Cost	Amount Disbursed to Date	Annual Savings			Simple Payback (years)	
							kWh	Therms	Dollars		
<b>LARGE BUILDINGS PROGRAM</b>											
<b>Department of General Services - Loan 101</b>											
Secretary of State	130440	Replace chiller	\$706,240	Cogent Energy, Inc.	\$296,166	\$457,599	377,735		\$33,230	8.9	
		Lighting controls			\$273,516		297,528	\$26,778	10.2		
		Replace air filters			\$29,593		230,035	\$19,100	1.5		
		Clean coils			\$29,324		110,697	\$9,439	3.1		
Bateson	130442	Lighting controls	\$247,004	Cogent Energy, Inc.	\$205,431	\$211,289	355,867		\$32,027	6.4	
		Replace air filters			\$14,731		72,812	\$6,729	2.2		
		Clean coils			\$14,604		130,590	\$11,063	1.3		
Jesse Unruh	130443	Lighting controls and variable fan drives	\$281,270	Cogent Energy, Inc.	\$224,918	\$304,141	206,180		\$18,556	12.1	
		Replace air filters			\$91,870		93,155	\$9,013	10.2		
		Clean coils			\$21,146		75,252	\$6,026	3.5		
BOE	131674	Lighting upgrade	\$2,293,008	Cogent Energy, Inc.	\$970,461	\$1,678,567	1,264,428		\$126,442	7.7	
		VFD retrofit			\$550,486		708,989	\$70,625	9.2		
		VAV optimization			\$300,015		331,124	\$52,839	5.7		
		DW pumps installation			\$35,350		40,585	\$4,464	7.9		
		Water valve replacement			\$55,953		69,883	\$15,400	3.6		
		Boiler retrofit			\$138,275		29,198	\$11,507	12.0		
Bonderson	131071	Lighting retrofit	\$587,090	Smartwatt	\$549,067	\$581,900	476,073		\$47,607	11.5	
Mission Valley	131072	Exterior lighting retrofit	\$169,933	Smartwatt	\$51,480	\$34,709	46,594		\$6,243	8.2	
CalTrans District 11	131073	Exterior lighting retrofit			\$109,275	\$91,184	78,582	\$11,268	9.7		
Fresno State Office Building	131062	Optimum start routine for chiller and boiler	\$415,335	Enovity, Inc.	\$9,360	\$168,671	19,274		\$3,007	3.1	
		Reset condenser water temperature			\$11,115		26,500	\$4,153	2.7		
		Optimum stop routine			\$9,945		3,800	\$1,781	5.6		
		Chilled Water Reset			\$9,945		7,650	\$2,090	4.8		
		Variable air volume (VAV) air handlers			\$193,050		121,602	\$21,904	8.8		
		Chiller retrofit			\$181,350		64,600	\$10,888	16.7		
CA Energy Commission	130441	De-lamp perimeter lights	\$179,000	Enovity, Inc.	\$1,100	\$170,000	22,100		\$2,210	0.5	
		Reschedule air handler			\$1,000		9,100	\$783	1.3		
		Reschedule hot water pump			\$200		700	\$60	3.3		
		Reschedule fans			\$500		3,800	\$327	1.5		
		Occupancy sensor on hearing room air handler			\$4,000		15,600	\$1,342	3.0		
		Night cooling			\$5,882		34,900	\$3,001	2.0		
		Occupancy sensor for lighting			\$155,000		85,000	\$7,310	21.2		
CalTrans District 11	131695	Chiller replacement			\$1,049,011		Johnson Controls, Inc.	\$974,106	\$538,740	405,830	29,507
<b>Total Loan 101</b>			<b>\$5,927,891</b>		<b>\$5,618,214</b>	<b>\$4,236,801</b>	<b>5,815,763</b>	<b>60,893</b>	<b>\$657,480</b>	<b>9.0</b>	
<b>Office of Fleet and Asset Management - Loan 104</b>											
Parking Lot 8	131066	Lighting retrofits	\$554,898	Smartwatt	\$499,093	\$499,093	\$22,086				
Parking Lot 14	131067						\$97,933				
Parking Lot 38	131068						\$51,177	761,436		\$116,350	4.8
Parking Lot 50	131069						\$119,072				
Parking Lot 55	131070						\$176,894				
<b>Total DGS/OFAM</b>			<b>\$554,898</b>		<b>\$499,093</b>	<b>\$467,163</b>	<b>761,436</b>		<b>\$116,350</b>	<b>4.8</b>	
<b>California Highway Patrol - Loan 106</b>											
CHP Headquarters	131074	Lighting retrofit	\$157,080	Smartwatt	\$146,200	\$106,795	202,302		\$18,675	8.4	
<b>Total CHP</b>			<b>\$157,080</b>		<b>\$146,200</b>	<b>\$106,795</b>	<b>202,302</b>		<b>\$18,675</b>	<b>8.4</b>	
<b>TOTAL LARGE BUILDINGS PROGRAM</b>			<b>\$6,639,869</b>		<b>\$6,263,507</b>	<b>\$4,810,758</b>	<b>5,409,933</b>	<b>40,587</b>	<b>\$577,212</b>	<b>11.5</b>	

\*The ARRA-funded loan amount includes all project costs (construction cost, construction contingency, A/E costs, loan administration costs).

**ARRA Energy Efficient State Property Revolving Fund  
Projects in Progress  
Revised September 22, 2011**

Project/Building	DGS Project #	Energy Measure	ARRA-Funded Loan Amount*	Contractor	Construction Contract Cost	Amount Disbursed to Date	Annual Savings			Simple Payback (years)
							kWh	Therms	Dollars	
<b>CA DEPARTMENT OF CORRECTIONS AND REHABILITATION PROJECTS</b>										
<b>CDCR Loan 102</b>										
Tehachapi	131846	Install boilers	\$786,400	Aircon Energy, Inc.	\$786,400	\$420,582	430,116	345,322	\$317,746	2.5
Soledad Valley State Prison	113847	Lighting upgrades	\$1,416,259	Aircon Energy, Inc.	\$136,285	\$525,353	441,058		\$39,695	3.4
		Replace water heaters			\$431,257		168,529	95,799	\$95,543	4.5
		Lighting retrofit			\$81,930		258,148		\$23,223	3.5
Salinas Correctional Training Facility	131848	Replace boilers	\$1,906,339	Aircon Energy, Inc.	\$405,846	\$15,725		222,983	\$187,083	2.2
		Lighting retrofit			\$181,460		687,183		\$164,923	1.1
		Upgrade air controls			\$106,790		8,900	38	\$833	128.2
Corcoran State Prison	131849	Expand energy mgmt system	\$1,906,339	Trane Company	\$510,072	\$553,815	2,190,874	61,468	\$247,930	2.1
		Programmable thermostats			\$23,998		362,889		\$33,023	0.7
		Variable fan drives		\$229,997	83,844		5,438	\$11,926	19.3	
		Lighting upgrade		\$1,142,272	1,982,859		0	\$180,440	6.3	
<b>Total Loan 102</b>			<b>\$4,108,998</b>		<b>\$4,036,307</b>	<b>\$1,515,475</b>	<b>6,184,284</b>	<b>385,726</b>	<b>\$984,619</b>	<b>4.2</b>
Corcoran Treatment Center	131850	HVAC Controls Outside Lighting Controls	\$745,094	Trane Company	\$745,094	\$229,148	5,413,745	49,944	\$532,107	1.4
Norco Rehabilitation	131851	Boiler Replacement	\$767,307	Trane Company	\$767,307	\$559,698	45,505	220,980	\$161,606	4.7
<b>Total Loan 124</b>			<b>\$1,512,401</b>		<b>\$1,512,401</b>	<b>\$788,846</b>	<b>5,459,250</b>	<b>270,924</b>	<b>\$693,713</b>	<b>2.2</b>
<b>TOTAL CDCR</b>			<b>\$5,621,399</b>		<b>\$5,548,708</b>	<b>\$2,304,321</b>	<b>11,643,534</b>	<b>656,650</b>	<b>\$1,678,332</b>	<b>3.3</b>
<b>OFFICE OF THE CHIEF INFORMATION OFFICER</b>										
<b>OCIO - Loan 112</b>										
Gold Camp Data Center	130492	CRAC Units Upgrade	\$2,299,562	ABM, Inc.	\$1,246,080	\$33,312	1,535,265		\$132,769	9.4
		Chiller Upgrade			\$351,000		1,244,700		\$107,856	3.3
		Cooling Towers			\$268,000		1,140,000		\$98,873	2.7
		Lighting Upgrade			\$246,000		214,445		\$19,556	12.6
<b>TOTAL OCIO</b>			<b>\$2,299,562</b>		<b>\$2,111,080</b>	<b>\$33,312</b>	<b>4,134,410</b>		<b>\$359,054</b>	<b>6.4</b>
<b>ADMINISTRATION</b>			<b>\$268,124</b>							
<b>PROGRAM INCOME EARNED FROM THE SURPLUS MONEY INVESTMENT FUND (SMIF)</b>			<b>\$132,022</b>			<b>\$293,889</b>				
<b>LOAN FUND PROGRAM TOTALS</b>			<b>\$25,132,022</b>		<b>\$22,974,360</b>	<b>\$14,197,660</b>	<b>30,215,420</b>	<b>827,482</b>	<b>\$3,977,056</b>	<b>6.3</b>

\*The ARRA-funded loan amount includes all project costs (construction cost, construction contingency, A/E costs, loan administration costs).