



Energy Efficient State Property Revolving Fund Loan Program

American Reinvestment and Recovery Act



Executive Summary March 2011

DGS and its contractors continue to implement energy efficiency in 62 state-owned facilities and five parking lots.

Small Building Program

- Overall, work at the five departments that are participating in the loan program is between 10 and 30 percent complete.
- HVAC submittals have been approved and equipment is being ordered for 18 CHP sites, 18 DMV sites and 4 DWR sites.
- Interior lighting retrofits have been completed: four at California Highway Patrol (CHP), four at the Department of Motor Vehicles (DMV), and two at the Department of Water Resources (DWR). Testing of a new lighting redesign temporarily delayed some projects. All construction has recommenced.
- Work is underway to design a lighting upgrade specifically for autistic client areas at the Department of Developmental Services (DDS).

Large Building Program

- The California Energy Commission (CEC) building is complete and the collection of energy data is underway to verify savings.
- Lighting upgrades at the Bonderson building, two parking lots in San Diego, and five Sacramento lots are 99 percent complete. Inspections and measurement and verification (M&V) activities are commencing.
- Filter replacements and coil cleaning in various buildings is 100% complete.
- The chiller retrofit at the CalTrans District 11 Building and the chiller replacement at the Fresno office building are moving through the review and procurement phase. Actual constructions will begin soon.
- The lighting upgrade at the California Highway Patrol headquarters will commence once the CHP has completed asbestos abatement in the building.

CDCR & OCIO Managed Projects

- CDCR: Construction has started on all but one facility, which is in the review phase.
- OCIO: Installation of four computer room air conditioning (CRAC) units will begin soon. The contract for the lighting upgrade is near finalization. The design phase for the modifications to the chilling towers and the heat exchangers is complete and a solicitation will begin soon.

Program Management

- DGS is developing a web site for the Energy Efficient State Property Revolving Fund Loan Program that will explain how State departments can apply for funding and provide project status information.
- Total funds disbursed to date are \$8,745,086. This is 35% of funds allocated to this program.



Program/Loan Agreement	Loan Amt	Vendors	Jobs*	Disbursed
DGS Large Buildings Program				
Loan 101 DGS amendment	\$5,927,891	Various	64.0	\$3,264,034
Loan 104-OFAM	\$554,898	SmartWatt	6.0	\$443,830
Loan 106-CHP	\$157,080	SmartWatt	1.7	\$87,356
Total	\$6,639,869			\$3,795,220

Past 30-Day Activities (March-2011)

Loan 101: C: 02/10 - 04/12. This loan package is comprised of energy efficient projects in 9 buildings.

BOE - Lighting upgrade is 100% complete; the installation of variable frequency drives on the chiller is approx. 70% complete; the optimization of controls is approx. 15% complete; chilled water valves replacement is 100% complete.

Bateson - Filter replacement and coil cleaning 100% complete; lighting upgrade approx. 60% complete.

CEC - Controls upgrade for Air Handling Units, hot water recirculation pumps, exhaust fans, and night cooling have been completed; occupancy sensor issues have been resolved and lighting controls upgrade is now complete; project closeout 2/11.

Bonderson Building - As of March 1, 2011, all materials have been installed on all floors. Work is 99% complete. BPM and the contractor are preparing to start the inspection and M&V process.

Secretary of State - Filter replacement and coil cleaning 100% complete; lighting upgrade approx. 75% complete; compressor installation is 100% complete.

San Diego (Cal Trans District 11 and Mission Valley) - SmartWatt's fixture installations for Caltrans District 11 and Mission Valley are 99% complete, as of March 1, 2011, BPM and the contractor SmartWatt are preparing to start the inspection and M&V process.

Cal Trans District 11 - JCI design for chiller retrofit under DGS review.

Fresno - Controls upgrade 100% complete; design specs for chiller replacement still complete; chiller on order; installation scheduled for 9/11.

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

Loan 104: OFAM Parking Lots. As of March 1, 2011, Lots 8, 38, 14, 50, and 55 are 99% complete. BPM and the contractor SmartWatt are preparing to start the inspection and M&V process.

Loan 106: CHP HQ. As of March 1, 2011, 24% complete. All materials have been delivered on site for this lighting retrofit project. All required retrofit kits are also on site. The asbestos abatement project needs to be completed by CHP before SmartWatt can begin the lighting retrofit.

Program/Loan Agreement	Loan Amt	Vendors	Jobs*	Disbursed
Small Buildings Program				
Loan 108-DMH/Atascadero	\$673,297	JCI	7.3	\$337,247
Loan 110-DMH/Patton	\$399,790	JCI	4.3	\$196,763
Loan 114-CHP	\$1,848,511	JCI	20.0	\$772,782
Loan 116-DMV	\$1,324,365	JCI	14.3	\$624,971
Loan 118-DWR	\$931,965	JCI	10.1	\$371,551
Loan 120-DDS	\$4,941,430	JCI	53.4	\$2,454,208
Total	\$10,119,358			\$4,757,522

Past 30-Day Activities (March-2011)

Loan 108: DMH, Atascadero. C: 2/11 - 8/11; 15% complete. Lighting submittals have been approved and materials have been delivered to the site. Construction schedule being finalized.

Loan 110: DMH Patton SH. C: 1/11 - 5/11; 25% complete. Lighting submittals have been approved and materials have been delivered to the site. Construction underway; estimated completion 5/16/11.

Loan 114: CHP (18 sites). C: 12/10 - 8/11; 20% complete. Lighting submittals have been approved and materials delivered to sites. HVAC submittals approved and equipment being ordered. Four interior and one exterior lighting retrofits completed; construction schedule delayed while a test of a new lighting design was implemented at Modesto; test was successful and construction will restart 3/21/11. Coalinga HVAC installation complete; remaininig HVAC installations underway.

Loan 116: DMV (18 sites). C: 12/10- 7/11; 15% complete. Lighting submittals have been approved and materials delivered to sites. HVAC submittals approved and equipment being ordered. 4 interior lighting retrofits completed. Construction schedule delayed while a test of a new lighting design was implemented at CHP-Modesto; test was successful and construction will restart 3/21/11. HVAC installations underway.

Loan 118: DWR (4 sites). C: 12/10 - 8/11; 30% complete. -- Lighting submittals have been approved and materials delivered to sites. HVAC submittals approved and equipment being ordered. 2 interior lighting retrofits completed. Construction schedule delayed while a test of a new lighting design was implemented at CHP-Modesto; test was successful and construction will restart 3/23/11.

Loan 120: DDS (3 campuses). C:1/11 - 11/11; 10% complete. -- Lighting submittals for non-autistic clients areas have been approved. Lighting scheme/mock-up to determine optimum solution for autistic clients still being worked on by DGS and DDS. HVAC submittals approved for Sonoma; Porterville's design review meeting scheduled 3/24/11.

CDCR Energy Retrofits

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

Past 30-Day Activities (March-2011)

Loan 102: CCI Tehachapi, Salinas Valley & Corcoran State Prisons. C: 9/10 - 8/11; 20% Complete. Tehachapi Correctional Institute, Salinas Valley and Corcoran State Prisons: 18% Complete. Tehachapi: construction has started ; Salinas: construction has started ; Corcoran lighting construction is 90% complete; Corcoran energy management construction 30% complete. This project is being managed by CDCR.

Loan 124: SATF, Corcoran State Prison & CRC Norco. SATF, Corcoran State Prison & CRC Norco. C: 12/10 - 12/11; 8% Complete. Corcoran Substance Abuse Treatment Facility and Norco California Rehabilitation Center; 8% Complete. SATF- construction has started . CRC - reviewing product submittals for specification compliance. This project is being managed by CDCR.

Program/Loan Agreement	Loan Amt	Vendors	Jobs*	Disbursed
Office of Chief Information Officer Energy Retrofits				
Loan 112-OCIO	\$2,299,562	ABM	24.8	\$23,459

Past 30-Day Activities (March-2011)
 C: 12/10 - 12/11; 15% complete. Four computer room air conditioning (CRAC) units delivered; installation being scheduled. Master schedule calls for 4/mo. for 8 mos. The design phase for modifications to the cooling towers and the heat exchangers is complete and the OCIO will be issuing a contract for installation. Lighting subcontractor selected and contract being developed. This installation should start within 21 days. This project is being managed by the OCIO.

Administration	\$319,812	DGS	3.5	\$168,885
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Past 30-Day Activities (Mar-2011)
 Program Administration includes costs associated with Program Set-up, Legal, Accounting and Loan Origination Fees.

Total Program	\$25,000,000		270.0 *	\$8,745,086
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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 March 28, 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																																																																																					
SMALL BUILDINGS PROGRAM																																																																																														
Department of Motor Vehicles - Loan 116																																																																																														
Arleta Field Office	131601	Lighting Upgrade	\$1,324,365	Johnson Controls, Inc.	\$54,372	\$42,579	45,438		\$5,355	10.1																																																																																				
		Web-Based Monitoring			\$10,000																																																																																									
Chula Vista	131602	Lighting Upgrade			\$63,437						\$48,637	\$50,135	45,996		\$8,000	7.9																																																																														
		Web-Based Monitoring			\$10,000																																																																																									
El Cajon	131603	Lighting Upgrade			\$12,214												\$43,170	\$18,120	34,065		\$6,295	1.9																																																																								
		Web-Based Monitoring			\$10,000																																																																																									
Hanford	131604	Lighting Upgrade			\$21,433																		\$47,042	\$25,980	18,707		\$2,285	9.4																																																																		
		Web-Based Monitoring			\$10,000																																																																																									
Hollister	131605	Lighting Upgrade			\$5,582																								\$41,468	\$12,958	11,490		\$2,053	2.7																																																												
		Web-Based Monitoring			\$10,000																																																																																									
Merced	131606	Lighting Upgrade			\$46,172																														\$44,654	\$39,271	39,651		\$6,060	7.6																																																						
		Web-Based Monitoring			\$10,000																																																																																									
Modesto	131607	Lighting Upgrade			\$16,127																																				\$41,654	\$21,530	30,068		\$3,307	4.9																																																
		Web-Based Monitoring			\$10,000																																																																																									
Mountain View	131608	Lighting Upgrade			\$20,989																																										\$41,654	\$23,500	32,983		\$5,218	4.0																																										
		Web-Based Monitoring			\$10,000																																																																																									
Oakland Claremont	131609	Lighting Upgrade			\$59,993																																																\$41,654	\$48,637	57,199		\$8,993	6.7																																				
		Web-Based Monitoring			\$10,000																																																																																									
Oakland Coliseum	131610	Lighting Upgrade			\$52,468																																																						\$41,654	\$43,170	37,350		\$5,479	9.6																														
		Web-Based Monitoring			\$10,000																																																																																									
Redwood City	131611	Lighting Upgrade			\$58,704																																																												\$41,654	\$47,042	41,468		\$6,494	9.0																								
		Web-Based Monitoring			\$10,000																																																																																									
Sacramento	131612	Lighting Upgrade			\$24,416																																																																		\$41,654	\$70,452	24,621	776	\$2,868	8.5																		
		HVAC Upgrade			\$209,386																																																																								\$56,516	\$70,452	56,516		\$7,017	31.8												
		Web-Based Monitoring			\$10,000																																																																																									
San Diego	131613	Lighting Upgrade			\$43,507																																																																														\$41,654	\$37,809	41,654		\$7,543	5.8						
		Web-Based Monitoring			\$10,000																																																																																									
San Mateo	131614	Lighting Upgrade			\$17,519																																																																																				\$41,654	\$22,256	53,406		\$9,196	1.9
		Web-Based Monitoring	\$10,000																																																																																											
Turlock	131615	Lighting Upgrade	\$26,668	\$41,654	\$42,917	36,099	253	\$3,913	6.8																																																																																					
		HVAC Upgrade	\$76,410							\$14,602	\$42,917	14,602		\$1,700	48.3																																																																															
		Web-Based Monitoring	\$10,000																																																																																											
Visalia	131616	Lighting Upgrade	\$23,380													\$41,654	\$26,689	40,494		\$4,564	4.7																																																																									
		Web-Based Monitoring	\$10,000																																																																																											
Watsonville	131617	Lighting Upgrade	\$8,747																			\$41,654	\$14,749	13,414		\$2,365	3.7																																																																			
		Web-Based Monitoring	\$10,000																																																																																											
Yuba City	131618	Lighting Upgrade	\$10,960																									\$41,654	\$37,180	20,391	713	\$3,538	3.1																																																													
		HVAC Upgrade	\$76,724																															\$25,416																																																												
		Web-Based Monitoring	\$10,000																																																																																											
Total DMV			\$1,324,365																																	\$1,109,208	\$624,971	721,028	1,742	\$107,138																																																						
CA Highway Patrol - Loan 114																																																																																														
Altadena Area	131621	Lighting Upgrade																																		\$16,744	\$44,342	55,552		\$6,450	2.6																																																					
		HVAC Upgrade																																		\$108,729						\$10,723	\$108,729		\$1,245	87.3																																																
		Web-Based Monitoring																																		\$10,000																																																										
Central Los Angeles Area	131622	Lighting Upgrade																																		\$65,945											\$45,891	\$45,891	92,763		\$10,511	6.3																																										
		Web-Based Monitoring																																		\$10,000																																																										
Coalinga Area	131623	Lighting Upgrade																																		\$20,158																	\$71,046	\$71,046	32,697		\$5,695	3.5																																				
		HVAC Upgrade																																		\$37,906																							\$12,706	\$71,046	12,706		\$2,213	17.1																														
		Rezone HVAC																																		\$51,285																																																										
		Web-Based Monitoring																																		\$10,000																																																										
El Cajon Area	131624	Lighting Upgrade																																		\$42,316																													\$33,771	\$33,771	43,144		\$8,141	5.2																								
		Web-Based Monitoring																																		\$10,000																																																										
Fort Tejon Area	131625	Lighting Upgrade																																		\$30,837																																			\$33,761	\$33,761	33,523		\$4,274	6.5																		
		Web-Based Monitoring																																		\$10,000																																																										
Fresno Area	131626	Lighting Upgrade																																		\$45,960																																									\$38,155	\$38,155	97,278		\$13,142	3.3												
		Web-Based Monitoring																																		\$10,000																																																										
Hanford Area	131627	Lighting Upgrade																																		\$29,836																																															\$39,041	\$39,041	45,638		\$7,243	4.1						
		HVAC Upgrade		\$54,894	\$6,992	\$39,041	6,992		\$1,110																											49.5																																																										
		Web-Based Monitoring		\$10,000																																																																																										

*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 March 28, 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			
Hayward Area	131628	Lighting Upgrade	\$1,848,511	Johnson Controls, Inc.	\$35,118	\$31,250	75,448		\$13,142	2.7		
		Web-Based Monitoring			\$10,000							
Hollister-Gilroy Area	131629	Lighting Upgrade					\$18,417	\$42,777	33,523	422	\$6,041	3.1
		HVAC Upgrade			\$101,810							
Madera Area	131630	Lighting Upgrade					\$10,000	\$22,651	38,988		\$6,791	3.3
		Web-Based Monitoring			\$10,000							
Merced Area	131631	Lighting Upgrade					\$26,682	\$76,165	158,131	405	\$27,545	1.0
		HVAC Upgrade			\$216,146							
Modesto Area	131632	Lighting Upgrade					\$10,000	\$80,220	27,410	1,250	\$4,680	27.8
		Web-Based Monitoring			\$10,000							
Oakland Area	131633	Lighting Upgrade					\$46,656	\$35,593	119,777		\$20,864	2.1
		Web-Based Monitoring			\$10,000							
Redwood City Area	131634	Lighting Upgrade					\$23,323	\$23,476	44,109		\$7,683	3.0
		Web-Based Monitoring			\$10,000							
San Jose Area	131635	Lighting Upgrade					\$26,620	\$26,884	82,777		\$14,419	1.8
		Web-Based Monitoring			\$10,000							
South Los Angeles Area	131636	Lighting Upgrade					\$42,434	\$44,328	137,410		\$16,064	2.6
		Web-Based Monitoring			\$10,000							
West Los Angeles Area	131637	Lighting Upgrade					\$19,421	\$36,555	82,806		\$9,466	2.0
		Rezone HVAC			\$51,286							
Yuba-Sutter Area	131638	Web-Based Monitoring			\$10,000	\$46,879	17,351	181	\$3,235	22.8		
		Lighting Upgrade	\$18,274									
		HVAC Upgrade			\$68,786							
		Rezone HVAC			\$1,285							
		Web-Based Monitoring			\$10,000							
Total CHP			\$1,848,511		\$1,589,534	\$772,782	1,493,176	2,258	\$227,338	8.1		
Department of Developmental Services - Loan 120												
Fairview	131596	Lighting Upgrade	\$4,941,430	Johnson Controls, Inc.	\$1,353,891	\$978,689	2,101,987		\$257,624	5.3		
		Web-Based Monitoring			\$10,000							
Porterville	131597	HVAC - VAV Conversion					\$711,991	\$484,094	1,069,858	79,560	\$139,020	8.8
		Web-Based Monitoring			\$10,000							
Sonoma	131598	Lighting Upgrade					\$1,214,036	\$991,426	865,790		\$161,865	7.5
		HVAC Upgrade - Nelson			\$618,634							
		HVAC Upgrade - EJOR					\$615,360					
		Web-Based Monitoring					\$10,000					
							\$10,000					
Total DDS					\$4,941,430		\$4,543,912	\$2,454,208	5,332,560	115,674	\$825,884	6.0
Department of Mental Health												
DMH - Loan 108												
Atascadero	131599	Lighting Upgrade			\$673,297	Johnson Controls, Inc.	\$352,466	\$337,247	572,066		\$68,648	7.2
		Web-Based Monitoring					\$10,000					
DMH - Loan 110												
Patton	131600	Lighting Upgrade			\$399,790	Johnson Controls, Inc.	\$606,854	\$196,763	405,692		\$48,827	8.8
		Web-Based Monitoring					\$10,000					
Total DMH					\$1,073,087		\$979,320	\$534,010	977,758		\$117,475	9.1
Department of Water Resources - Loan 118												
Bryte Chemical Lab	131592	Lighting Upgrade					\$71,742	\$155,265	76,415	9,171	\$11,497	6.4
		HVAC Upgrade			\$310,961							
		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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 Revised March 28, 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		
Oroville Visitors Center	131593	Lighting Upgrade	\$931,965	Johnson Controls, Inc.	\$46,563	\$74,751	22,571		\$3,747	12.4	
		HVAC Upgrade			\$57,873		28,937	1,400	\$5,718	10.1	
		Web-Based Monitoring			\$10,000						
Romero Overlook	131594	Lighting Upgrade			\$1,126		\$41,806	17,628		\$2,914	0.3
		HVAC Upgrade			\$99,927			13,659		\$2,258	44.3
		Web-Based Monitoring			\$10,000						
Vista Del Lago	131595	Lighting Upgrade			\$130,899		\$99,729	114,004		\$15,603	8.4
		HVAC Upgrade			\$70,000			59,057		\$8,083	8.7
		Web-Based Monitoring			\$10,000						
Total DWR			\$931,965		\$829,091	\$371,551	503,021	10,571	\$84,623	11.0	
Total Small Buildings Program			\$10,119,358		\$9,051,065	\$4,757,522	9,027,543	130,245	\$1,362,458	7.4	
LARGE BUILDINGS PROGRAM											
Department of General Services - Loan 101											
Secretary of State	130440	Replace chiller	\$706,240		\$339,700	\$457,599	377,735		\$33,230	9.5	
		Lighting controls			\$273,516		297,528		\$25,778	9.6	
		Replace air filters			\$29,593		230,035		\$19,100	0.8	
		Clean coils			\$29,324		110,697		\$9,439	2.4	
Bateson	130442	Lighting controls	\$247,004	Cogent Energy, Inc.	\$205,431	\$166,614	355,867		\$32,027	5.6	
		Replace air filters			\$14,731		72,812		\$5,729	1.5	
		Clean coils			\$14,604		130,590		\$11,063	0.6	
Jesse Unruh	130443	Lighting controls and variable fan drives	\$281,270		\$224,918	\$235,620	206,180		\$18,556	11.5	
		Replace air filters			\$21,336		93,155		\$9,013	1.8	
		Clean coils			\$21,146		75,252		\$6,026	2.8	
BOE	131674	Lighting upgrade	\$2,293,008		\$970,461	\$1,327,269	1,264,428		\$126,442	7.1	
		Optimum energy - LOOP			\$802,023		787,765		\$80,818	9.3	
		Optimum energy - TRAV			\$342,706		367,916	8,217	\$61,493	4.8	
		Install fan drives			\$35,350		40,585		\$4,464	7.4	
Bonderson	131071	Lighting retrofit	\$587,090	Smartwatt	\$549,067	\$552,805	476,073		\$47,607	11.3	
CalTrans District 11	131073	Exterior lighting retrofit	\$169,933	Smartwatt	\$109,275	\$86,155	78,582		\$11,268	8.8	
Mission Valley	131072	Exterior lighting retrofit			\$51,480	\$33,444	46,594		\$6,243	7.5	
Fresno State Office Building	131062	Optimum start routine for chiller and boiler	\$415,335	Enovity, Inc.	\$9,360	\$99,825	19,274		\$3,007	1.6	
		Reset condenser water temperature			\$11,115		26,500		\$4,153	1.1	
		Optimum stop routine			\$9,945		3,800		\$1,781	6.4	
		Chilled Water Reset			\$9,945		7,650	478	\$2,090	3.2	
		Variable air volume (VAV) air handlers			\$193,050		121,602	2,385	\$21,904	8.5	
		Chiller retrofit			\$181,350		64,600		\$10,888	15.2	
CA Energy Commission	130441	De-lamp perimeter lights	\$179,000	Enovity, Inc.	\$1,100	\$170,000	22,100		\$2,210	0.6	
		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	0	\$7,310	21.2	
CalTrans District 11	131695	Chiller replacement	\$1,049,011	Johnson Controls, Inc.	\$974,106	\$134,704	405,830	29,507	\$80,268	12.1	
Total Loan 101			\$5,927,891		\$5,591,214	\$3,264,034	5,832,250	40,587	\$649,420	9.1	
Office of Fleet and Asset Management - Loan 104											
Parking Lot 8	131066	Lighting retrofits	\$554,898	Smartwatt	\$499,093	\$443,830	761,436		\$116,350	4.8	
Parking Lot 14	131067										
Parking Lot 38	131068										
Parking Lot 50	131069										
Parking Lot 55	131070										
Total DGS/OFAM			\$554,898		\$499,093	\$443,830	761,436		\$116,350	4.8	
California Highway Patrol - Loan 106											
CHP Headquarters	131074	Lighting retrofit	\$157,080	Smartwatt	\$207,712	\$87,356	186,751		\$18,675	8.4	
Total CHP			\$157,080		\$207,712	\$87,356	186,751		\$18,675	8.4	
TOTAL LARGE BUILDINGS PROGRAM			\$6,639,869		\$6,298,019	\$3,795,220	5,426,420	40,587	\$569,152	11.7	

*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 March 28, 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				
CA DEPARTMENT OF CORRECTIONS AND REHABILITATION PROJECTS													
CDCR Loan 102													
Tehachapi	131846	Install boilers	\$786,400	Aircon Energy, Inc.	\$786,400		430,116	345,322	\$317,746	2.5			
Soledad Valley State Prison	113847	Lighting upgrades		Aircon Energy, Inc.	\$136,285		441,058		\$39,695	3.4			
		Replace water heaters			\$431,257		168,529	95,799	\$95,543	4.5			
		Replace condensers			\$130,661		163,014		\$14,671	8.9			
Salinas Correctional Training Facility	131848	Replace boilers	\$1,416,259	Aircon Energy, Inc.	\$405,846			222,983	\$187,083	2.2			
		Replace water pumps			\$102,459		186,456		\$16,781	6.1			
		Replace steam plant motors			\$35,997		31,317		\$2,819	12.8			
		Replace air handler motors			\$66,965		35,243	1,030	\$4,036	16.6			
		Upgrade air controls			\$106,789		8,900	38	\$833	128.2			
Corcoran State Prison	131849	Expand energy mgmt system	\$1,906,339	Trane Company	\$510,072		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			Sylvania Lighting Services	\$1,142,272		1,982,859	0	\$180,440	6.3		
Total Loan 102			\$4,108,998		\$4,108,998		5,654,983	386,756	\$834,780	4.9			
CDCR Loan 124													
Corcoran Treatment Center	131850	HVAC Controls	\$745,094	Trane Company	\$745,094		5,413,745	49,944	\$532,107	1.4			
		Outside Lighting Controls											
Norco Rehabilitation	131851	Boiler Replacement	\$767,307	Trane Company	\$767,307		45,505	220,980	\$161,606	4.7			
Total Loan 124			\$1,512,401		\$1,512,401		5,459,250	270,924	\$693,713	2.2			
TOTAL CDCR			\$5,621,399		\$5,621,399		11,114,233	657,680	\$1,528,493	3.7			
OFFICE OF THE CHIEF INFORMATION OFFICER													
OCIO - Loan 112													
Gold Camp Data Center	130492	CRAC Units Upgrade	\$2,299,562	ABM, Inc.	\$1,246,080	\$23,459	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	10.0
TOTAL OCIO			\$2,299,562		\$2,111,080	\$23,459	4,134,410		\$359,054	6.4			
ADMINISTRATION			\$319,812			\$168,885							
LOAN FUND PROGRAM TOTALS			\$25,000,000		\$23,081,563	\$8,745,086	29,702,606	828,512	\$3,819,157	6.5			

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