

APPENDIX A
Funding Awarded Through Energy Commission ARRA Solicitations and Cost-Share Leveraging

Project Description	Project Location (City or County)	ARRA Funding		Cost-Share Funding		Additional ARRA Funds Leveraged	Additional Public/Private Funds Leveraged
		Energy Commission	Workforce Investment Act	PIER	ARFVT Program		
FORMULA-BASED FUNDING							
State Energy Program							
1. Energy Upgrade California							
A. California Comprehensive Residential Building Retrofit Program							
Retrofit Bay Area	Community-scale building retrofits for single-family and multifamily homes.	Greater Bay Area	\$ 10,750,000	\$ -	\$ -	\$ -	\$ 184,716,178
The Affordable Multi-Family Retrofit Initiative	Green retrofit loans to existing multifamily building owners for energy and water efficiency improvements.	San Francisco City and County, City of Berkeley, City of Oakland	\$ 2,993,029	\$ -	\$ -	\$ -	\$ 6,120,000
The Moderate Income Sustainable Technology	Loans and grants for comprehensive energy efficiency retrofits to rural California homeowners in low- to moderate-income segments.	30 Rural Counties	\$ 16,500,001	\$ -	\$ -	\$ -	\$ 30,955,631
The Sacramento Regional Energy Alliance	Audits and/or home performance retrofits to existing homes.	Sacramento Region	\$ 19,969,421	\$ -	\$ -	\$ -	\$ 27,740,707
SUBTOTAL RESIDENTIAL BUILDING RETROFIT PROGRAM			\$ 50,212,451	\$ -	\$ -	\$ -	\$ 249,532,516
B. Municipal and Commercial Building Targeted Measure Retrofit Program							
The Downtown Oakland Targeted Measure Saturation Project	Install advanced lighting and HVAC including wireless technologies in commercial buildings.	City of Oakland	\$ 4,852,181	\$ -	\$ -	\$ -	\$ 2,310,000
The Energy Technology Assistance Program	Install energy efficiency measures in local government and special district facilities.	Statewide	\$ 5,949,739	\$ -	\$ -	\$ -	\$ 13,500,000
The EnergySmart Jobs Program	Retrofits of existing refrigeration systems in the commercial retail sector.	Statewide	\$ 18,808,717	\$ -	\$ -	\$ -	\$ 900,000
SUBTOTAL MUNICIPAL/COMMERCIAL RETROFIT PROGRAM			\$ 29,610,637	\$ -	\$ -	\$ -	\$ 16,710,000
C. Financing Element							
Local Government Commission	Create and administer financing clearinghouse and finance subsidy, create and maintain statewide integrated Web portal, coordinate regional programs, provide rebates and scholarships, and implement two PACE pilot programs: one residential, one commercial.	Statewide	\$ 33,176,912	\$ -	\$ -	\$ -	\$ -
SUBTOTAL FINANCING ELEMENT			\$ 33,176,912	\$ -	\$ -	\$ -	\$ 229,997,000
TOTAL ENERGY UPGRADE CALIFORNIA			\$ 113,000,000	\$ -	\$ -	\$ -	\$ 496,239,516
2. Department of General Services energy-efficient State Property Revolving Loan Fund							
California Highway Patrol, 18 sites			\$ 1,800,000	\$ -	\$ -	\$ -	\$ -
Department of Corrections and Rehabilitation, 6 sites			\$ 5,500,000	\$ -	\$ -	\$ -	\$ -
Department of Developmental Services, 3 sites			\$ 4,900,000	\$ -	\$ -	\$ -	\$ -
Department of General Services Large Buildings, 11 sites			\$ 6,700,000	\$ -	\$ -	\$ -	\$ -
Department of Mental Health, 2 sites			\$ 1,000,000	\$ -	\$ -	\$ -	\$ -
Department of Motor Vehicles, 18 sites			\$ 1,300,000	\$ -	\$ -	\$ -	\$ -
Department of Water Resources, 4 sites			\$ 1,000,000	\$ -	\$ -	\$ -	\$ -
Office of the Chief Information Officer, 1 site			\$ 2,300,000	\$ -	\$ -	\$ -	\$ -
TOTAL DGS REVOLVING LOAN FUND			\$ 24,500,000	\$ -	\$ -	\$ -	\$ 6,800,000
3. Energy Conservation Assistance Act Low Interest Loan Program							
Butte College	Lighting, Controls, Motors, Water Heating, HVAC	Oroville	\$ 766,231	\$ -	\$ -	\$ -	\$ -
City of Albany	Streetlight Conversion	Albany	\$ 290,805	\$ -	\$ -	\$ -	\$ -
City of Brisbane	Streetlight Conversion	Brisbane	\$ 189,930	\$ -	\$ -	\$ -	\$ 20,070
City of Carlsbad	Streetlight Conversion	Carlsbad	\$ 1,543,000	\$ -	\$ -	\$ -	\$ 1,489,000
City of Chula Vista	Streetlight Conversion	Chula Vista	\$ 2,051,600	\$ -	\$ -	\$ -	\$ -
City of Clovis	Lighting, HVAC, PC Power Management	Clovis	\$ 867,200	\$ -	\$ -	\$ -	\$ 831,700
City of Dinuba	Wastewater Treatment Plant	Dinuba	\$ 611,334	\$ -	\$ -	\$ -	\$ -
City of Fairfield	Streetlight Conversion	Fairfield	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -
City of Grover Beach	HVAC, Lighting, PC Controls, Solar PV	Grover Beach	\$ 444,951	\$ -	\$ -	\$ -	\$ 154,303
City of Hollister	HVAC	Hollister	\$ 30,868	\$ -	\$ -	\$ -	\$ 27,632
City of Los Angeles	Streetlight Conversion	Los Angeles	\$ 3,000,000	\$ -	\$ -	\$ -	\$ 3,000,000
City of Monterey	Street, Tunnel, Bike Path Lights	Monterey	\$ 1,551,918	\$ -	\$ -	\$ -	\$ 46,507
City of Rancho Mirage	HVAC	Rancho Mirage	\$ 385,000	\$ -	\$ -	\$ -	\$ -
City of Seaside	Boiler and Streetlight Replacement	Seaside	\$ 59,404	\$ -	\$ -	\$ -	\$ 52,489

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City of Ventura	Streetlight Conversion, HVAC, Server Virtualization	Ventura	\$ 500,000	\$ -	\$ -	\$ -	\$ 582,000
County of Alameda	Solar PV (250 kW) (roof-mounted)	Alameda County	\$ 1,177,891	\$ -	\$ -	\$ -	\$ 822,109
County of Marin	Lighting and HVAC	Marin County	\$ 415,857	\$ -	\$ -	\$ -	\$ 145,143
County of San Benito	Chiller Replacement, Streetlighting, Interior Lighting	San Benito County	\$ 125,000	\$ -	\$ -	\$ -	\$ 116,138
McKinleyville Community Services District	Water Pump Station Upgrade	McKinleyville	\$ 165,100	\$ -	\$ -	\$ -	\$ 1,054,900
Sonoma Valley Health Care District	Lighting, HVAC, Server/Desktop Virt., Windows	Sonoma	\$ 1,966,762	\$ -	\$ -	\$ -	\$ 174,628
Town of Hillsborough	Water Treatment Plant - Controls and Pumps	Hillsborough	\$ 908,700	\$ -	\$ -	\$ -	\$ -
TOTAL ECAA LOW INTEREST LOANS			\$ 20,051,551	\$ -	\$ -	\$ -	\$ 9,512,384
4. Clean Energy Business Financing Program							
CaliSolar, Inc.	Expand manufacturing of solar cells at existing facility.	Sunnyvale	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -
Energy Innovations, Inc.	Establish a concentrated solar energy system manufacturing facility.	Poway	\$ 3,500,000	\$ -	\$ -	\$ -	\$ -
Morgan Solar, Inc.	Establish a concentrated photovoltaic solar panel manufacturing facility.	Chula Vista	\$ 3,300,000	\$ -	\$ -	\$ -	\$ -
Quantum Energy Systems Technologies Worldwide, Inc.	Expand the manufacture of photovoltaic solar modules at existing facility.	Irvine	\$ 4,400,000	\$ -	\$ -	\$ -	\$ -
Solaria Corporation	Expand the manufacture of photovoltaic solar panels at existing facility.	Fremont	\$ 2,800,000	\$ -	\$ -	\$ -	\$ -
Soliant Energy, Inc.	Establish a concentrated photovoltaic solar panel manufacturing facility.	San Bernardino	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -
Stion Corporation	Expand manufacturing of thin film solar modules at existing facility.	San Jose	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -
TOTAL CLEAN ENERGY BUSINESS FINANCING PROGRAM			\$ 26,500,000	\$ -	\$ -	\$ -	\$ 62,000,000
5. Clean Energy Workforce Training Program							
A. Green Building and Clean Energy Retraining Partnerships							
Contra Costa Community College District	Solar/Green Building	Contra Costa County	\$ 604,765	\$ 395,235	\$ -	\$ -	\$ -
Grossmont-Cuyamaca Community College District	Green Building	San Diego County	\$ 604,765	\$ 395,235	\$ -	\$ -	\$ -
Humboldt County	Solar/Green Building	Humboldt County	\$ 538,074	\$ 351,651	\$ -	\$ -	\$ -
Kern Community College District	Wind/Solar	Kern County	\$ 463,496	\$ 302,910	\$ -	\$ -	\$ -
Long Beach Community College District	Green Building/Water Efficiency	Los Angeles County	\$ 576,454	\$ 376,732	\$ -	\$ -	\$ -
Los Angeles County	Green Building	Los Angeles County	\$ 604,765	\$ 395,235	\$ -	\$ -	\$ -
NorTEC	Green Building/Solar	Butte County	\$ 604,765	\$ 395,235	\$ -	\$ -	\$ -
North Orange County Community College District	Green Building	Orange County	\$ 604,765	\$ 395,235	\$ -	\$ -	\$ -
Sacramento Employment Training Agency	Green Building	Sacramento County	\$ 603,441	\$ 394,369	\$ -	\$ -	\$ -
Sonoma County	Green Building	Sonoma County	\$ 604,765	\$ 395,235	\$ -	\$ -	\$ -
SUBTOTAL RETRAINING PARTNERSHIPS			\$ 5,810,055	\$ 3,797,072	\$ -	\$ -	\$ -
B. Green Building and Clean Energy Pre-Apprenticeships Partnerships							
College of the Desert	Solar	Riverside County	\$ 493,393	\$ 322,450	\$ -	\$ -	\$ -
Hartnell College	Green Building	Monterey County	\$ 604,682	\$ 395,180	\$ -	\$ -	\$ -
Humboldt County	Solar/Green Building	Humboldt County	\$ 436,967	\$ 285,573	\$ -	\$ -	\$ -
Imperial Valley College	Green Building/Solar/Water Efficiency	Imperial County	\$ 265,841	\$ 173,737	\$ -	\$ -	\$ -
Kern/Inyo/Mono Consortium	Green Building/Solar/Wind	Kern County	\$ 193,316	\$ 126,339	\$ -	\$ -	\$ -
Long Beach Community College District	Green Building/Water Efficiency	Los Angeles County	\$ 590,287	\$ 385,773	\$ -	\$ -	\$ -
Los Angeles City	Green Building	Los Angeles County	\$ 604,765	\$ 395,235	\$ -	\$ -	\$ -
Los Angeles Trade Technical College	Solar	Los Angeles County	\$ 604,765	\$ 395,235	\$ -	\$ -	\$ -
NorTEC	Green Building/Solar	Butte County	\$ 604,765	\$ 395,235	\$ -	\$ -	\$ -
Peralta Community College District	Water efficiency/Solar	Alameda County	\$ 604,765	\$ 395,235	\$ -	\$ -	\$ -
Richmond City	Solar/Utility	Contra Costa County	\$ 604,765	\$ 395,235	\$ -	\$ -	\$ -
Sacramento Employment Training Agency	Green Building /Solar	Sacramento County	\$ 585,825	\$ 382,857	\$ -	\$ -	\$ -
San Bernardino Community College District	Green Building/Solar/Water Efficiency	County	\$ 525,934	\$ 343,717	\$ -	\$ -	\$ -
San Diego Workforce Partnership	Green Building/Solar/Water Efficiency	San Diego County	\$ 423,335	\$ 276,665	\$ -	\$ -	\$ -
San Francisco	Green Building	San Francisco County	\$ 603,888	\$ 394,662	\$ -	\$ -	\$ -
San Luis Obispo County	Green Building	San Luis Obispo County	\$ 368,940	\$ 241,115	\$ -	\$ -	\$ -

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Solano Community College	Green Building/Solar/Water Efficiency	Los Angeles County	\$ 253,246	\$ 165,505	\$ -	\$ -	\$ -	\$ -
South Bay Workforce Investment Board	Green Building/Solar/Water Efficiency	Los Angeles County	\$ 320,440	\$ 209,418	\$ -	\$ -	\$ -	\$ -
SUBTOTAL PRE-APPRENTICESHIP PARTNERSHIPS			\$ 8,689,919	\$ 5,679,166	\$ -	\$ -	\$ -	\$ -
C. Employment Training Panel Interagency Agreement								
Cal & Nevada Labor Management Cooperation Trust	Utility	Statewide	\$ 408,643	\$ -	\$ -	\$ -	\$ -	\$ -
Cal Labor Federation (AFL-CIO)	Green Building/Solar	Statewide	\$ 679,524	\$ -	\$ -	\$ -	\$ -	\$ -
California Building Performance Contractors Association	Green Building	Statewide	\$ 545,400	\$ -	\$ -	\$ -	\$ -	\$ -
Chabot-Los Positas Community Colleges	Green Building	Alameda	\$ 149,532	\$ -	\$ -	\$ -	\$ -	\$ -
Efficiency First	Green Building	Statewide	\$ 368,070	\$ -	\$ -	\$ -	\$ -	\$ -
Farmworker Institute of Education and Leadership Development	Solar	Monterey/Kern	\$ 602,988	\$ -	\$ -	\$ -	\$ -	\$ -
Home Energy Systems	Solar	San Diego	\$ 101,660	\$ -	\$ -	\$ -	\$ -	\$ -
Mendocino Solar Service	Solar	Mendocino	\$ 18,200	\$ -	\$ -	\$ -	\$ -	\$ -
NorCal Solar	Solar	Statewide	\$ 205,654	\$ -	\$ -	\$ -	\$ -	\$ -
ONNI Inc/Green Plumbers	Water Efficiency	Statewide	\$ 74,904	\$ -	\$ -	\$ -	\$ -	\$ -
Plumbing and Pipefitters (Apprentice & Journeymen Training Trust Fund)	Green Building	LA, Kern, San Luis Obispo, Santa Barbara, Ventura, San Bernardino, San Diego	\$ 529,448	\$ -	\$ -	\$ -	\$ -	\$ -
Santa Monica Community College	Solar	LA, San Diego, Ventura, Orange, Riverside, San Bernardino	\$ 353,638	\$ -	\$ -	\$ -	\$ -	\$ -
Shasta Trinity Tehama Joint Community Colleges	Wind	Shasta, Trinity, Tehama	\$ 123,930	\$ -	\$ -	\$ -	\$ -	\$ -
Solyndra	Solar	Alameda	\$ 318,060	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL ETP INTERAGENCY AGREEMENT			\$ 4,479,651	\$ -	\$ -	\$ -	\$ -	\$ -
D. Alternative and Renewable Fuel and Vehicle Technologies Workforce Development and Training Program								
Imperial County		Imperial County	\$ -	\$ 100,000	\$ -	\$ 400,000	\$ -	\$ -
Long Beach City		Los Angeles County	\$ -	\$ 100,000	\$ -	\$ 400,000	\$ -	\$ -
Los Angeles County		Los Angeles County	\$ -	\$ 100,000	\$ -	\$ 400,000	\$ -	\$ -
Richmond City		Contra Costa County	\$ -	\$ 100,000	\$ -	\$ 400,000	\$ -	\$ -
Sacramento Employment Training Agency		Sacramento County	\$ -	\$ 100,000	\$ -	\$ 400,000	\$ -	\$ -
San Francisco Department of Economic & Workforce Development		San Francisco County	\$ -	\$ 67,500	\$ -	\$ 210,000	\$ -	\$ -
SUBTOTAL ARFVT WORKFORCE PROGRAM			\$ -	\$ 567,500	\$ -	\$ 2,210,000	\$ -	\$ -
TOTAL CLEAN ENERGY WORKFORCE TRAINING PROGRAM			\$ 18,979,625	\$ 10,043,738	\$ -	\$ 2,210,000	\$ -	\$ 39,000,000
TOTAL STATE ENERGY PROGRAM AWARDS			\$ 203,031,176	\$ 10,043,738	\$ -	\$ 2,210,000	\$ -	\$ 613,551,900
Energy Efficiency and Conservation Block Grant Program								
A. Direct Equipment Purchase								
City of Agoura Hills	Replace 149 old vehicle LED traffic signals and 78 old pedestrian LED signals that are at or past industry standard life for LED with new and more energy-efficient vehicle LED traffic signals and pedestrian LED signals.	Agoura Hills	\$ 124,741	\$ -	\$ -	\$ -	\$ -	\$ -
City of Albany	Replace existing high-pressure sodium vapor streetlights located with LED lights.	Albany	\$ 88,846	\$ -	\$ -	\$ -	\$ -	\$ -
City of American Canyon	Replace high-pressure sodium cobra-head fixtures with LED fixtures.	American Canyon	\$ 88,498	\$ -	\$ -	\$ -	\$ -	\$ -
City of Artesia	Replace the HVAC and lighting retrofit, replacing T12 with T8 in the library and community center.	Artesia	\$ 91,098	\$ -	\$ -	\$ -	\$ -	\$ -
City of Atascadero	Replace 19 HVAC units totaling 112 tons, install 19 programmable thermostats, replace over 480 fluorescent lamps with 28 watt T8 fluorescent lamps, replace 46 miscellaneous exterior lighting fixtures with induction lighting fixtures, and replace 3 motors totaling 65 horsepower with NEMA Premium Efficiency motors.	Atascadero	\$ 152,644	\$ -	\$ -	\$ -	\$ -	\$ -

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City of Auburn	Retrofit HVAC, install programmable thermostat, retrofit high-pressure sodium streetlights to LED, and retrofit waste water pump motors.	Auburn	\$ 72,403	\$ -	\$ -	\$ -	\$ -	\$ -
City of Banning	Retrofit water well pumps with premium efficiency motors, replace HVAC systems, retrofit with LED exit signs, and retrofit interior lighting.	Banning	\$ 165,461	\$ -	\$ -	\$ -	\$ -	\$ -
City of Beaumont	Upgrade interior and exterior lighting, and HVAC units, as well as install programmable thermostats.	Beaumont	\$ 172,103	\$ -	\$ -	\$ -	\$ -	\$ -
City of Belmont	Replace high-pressure sodium streetlights with LED lighting fixtures.	Belmont	\$ 133,973	\$ -	\$ -	\$ -	\$ -	\$ -
City of Benicia	Retrofit various watt high-pressure sodium shoebox, acorn, and teardrop lighting fixtures with induction kits, and high-pressure sodium cobra head streetlights with LED.	Benicia	\$ 146,340	\$ -	\$ -	\$ -	\$ -	\$ -
City of Big Bear Lake	Replace 57 high-pressure sodium and metal halide parking lot lights with LED lights. In addition, the City of Big Bear Lake proposes to replace 263 32-watt T8 lamps with 28-watt T8 lamps and replace 35 timed lighting controls with dual technology occupancy sensors.	Big Bear Lake	\$ 34,836	\$ -	\$ -	\$ -	\$ -	\$ -
City of Brawley	Replace six old and inefficient pumps at the City's Water Treatment Plant and Pumping Facilities.	Brawley	\$ 143,693	\$ -	\$ -	\$ -	\$ -	\$ -
City of Brisbane	Replace high-pressure sodium vapor streetlights with LED lighting fixtures	Brisbane	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -
City of Calimesa	Retrofit three city buildings with energy-efficient lighting, including installing energy-efficient lamps and ballasts, occupancy sensors, LED exit signs, and outdoor LED light fixtures with photocell controls.	Calimesa	\$ 35,958	\$ -	\$ -	\$ -	\$ -	\$ -
City of Calipatria	Replace existing HVAC units with energy-efficient SEER 13 and 19 HVAC units. T-12 lamps will be replaced with T-8 fluorescent lamps, and induction lighting will be used for exterior lighting.	Calipatria	\$ 48,693	\$ -	\$ -	\$ -	\$ -	\$ -
City of Calistoga	Retrofit the City Hall, Police Department, Public Works Offices, and Recreation Facility lighting from T-12 fixtures to T-8 fixtures.	Calistoga	\$ 28,114	\$ -	\$ -	\$ -	\$ -	\$ -
City of Canyon Lake	Upgrade two HVAC units, convert regular thermostats to programmable units, install dual technology sensors, convert 39 traffic signals from incandescent to LED, and upgrade 450 T12 and 250 ballasts to T8 and electronic ballasts.	Canyon Lake	\$ 57,674	\$ -	\$ -	\$ -	\$ -	\$ -
City of Carpinteria	Replace high-pressure sodium streetlight and parking lights with LED. The City will also replace outdated fluorescents in the Public Works Building with energy-efficient fluorescents.	Carpinteria	\$ 74,117	\$ -	\$ -	\$ -	\$ -	\$ -
City of Clayton	Replace 95 high-pressure sodium streetlight fixtures with LED.	Clayton	\$ 61,811	\$ -	\$ -	\$ -	\$ -	\$ -
City of Coronado	Upgrade exterior and interior lighting, replace window air conditioners with high-efficiency HVAC, vending machine controllers.	Coronado	\$ 124,923	\$ -	\$ -	\$ -	\$ -	\$ -
City of Dixon	Retrofit existing streetlights with more energy-efficient LED lighting.	Dixon	\$ 97,561	\$ -	\$ -	\$ -	\$ -	\$ -
City of East Palo Alto	Replace high-pressure sodium streetlights with high-efficiency LED lighting fixtures.	East Palo Alto	\$ 180,214	\$ -	\$ -	\$ -	\$ -	\$ -
City of El Paso Robles	Replace high-pressure sodium vapor (HPSV) streetlights with LED lighting fixtures.	El Paso Robles	\$ 156,083	\$ -	\$ -	\$ -	\$ -	\$ -
City of Emeryville	Replace high-pressure sodium streetlights with LED lights.	Emeryville	\$ 52,097	\$ -	\$ -	\$ -	\$ -	\$ -
City of Farmersville	Replace 40.5 tons of air conditioning from 1985 with modern, efficient units, install six energy-saving LED Exit signs, upgrade lighting and heating controls, and replace 130 inefficient T12 fluorescent fixtures with efficient T8 fluorescent fixtures.	Farmersville	\$ 57,350	\$ -	\$ -	\$ -	\$ -	\$ -
City of Foster City	Replace existing high-pressure sodium vapor streetlights with LED lights.	Foster City	\$ 157,426	\$ -	\$ -	\$ -	\$ -	\$ -
City of Galt	Retrofit to replace high-pressure sodium streetlights with LED.	Galt	\$ 133,547	\$ -	\$ -	\$ -	\$ -	\$ -
City of Goleta	Retrofit lighting at city hall, the community center and four elementary schools.	Goleta	\$ 159,293	\$ -	\$ -	\$ -	\$ -	\$ -
City of Gonzales	Retrofit existing streetlights with more energy-efficient LED lighting.	Gonzales	\$ 47,225	\$ -	\$ -	\$ -	\$ -	\$ -
City of Grand Terrace	Upgrade lighting, and replace eight HVAC units totaling 40 tons.	Grand Terrace	\$ 69,640	\$ -	\$ -	\$ -	\$ -	\$ -
City of Greenfield	Implement energy efficiency projects including, but not limited to streetlighting retrofits, other exterior lighting retrofits and HVAC upgrades for city buildings.	Greenfield	\$ 82,019	\$ -	\$ -	\$ -	\$ -	\$ -
City of Gridley	Update 57 of the city's high-pressure sodium streetlights to LED.	Gridley	\$ 35,407	\$ -	\$ -	\$ -	\$ -	\$ -
City of Guadalupe	Upgrade interior lights, install occupancy sensors, replace HVAC equipment, and install premium efficiency motors and variable speed drives.	Guadalupe	\$ 35,777	\$ -	\$ -	\$ -	\$ -	\$ -
City of Half Moon Bay	Upgrade interior lighting, replace low-pressure sodium, high-pressure sodium, and metal halide exterior lighting fixtures with induction, replace fluorescent exit signs with LED, and install occupancy sensors.	Half Moon Bay	\$ 67,141	\$ -	\$ -	\$ -	\$ -	\$ -
City of Hercules	Replace metal halide streetlights with high-efficiency LED lighting fixtures.	Hercules	\$ 135,630	\$ -	\$ -	\$ -	\$ -	\$ -

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City of Hollister	Replace and retrofit existing city equipment with energy-efficient equipment, including induction streetlighting, LED lights in parking lots, and exterior lighting and high-efficiency HVAC system upgrades to city buildings.	Hollister	\$ 199,674	\$ -	\$ -	\$ -	\$ -
City of Holtville	Replace HVAC systems and upgrade to programmable thermostats.	Holtville	\$ 34,425	\$ -	\$ -	\$ -	\$ -
City of Imperial Beach	Replace 159 high-pressure sodium, low-pressure sodium and mercury vapor streetlights with induction streetlights.	Imperial Beach	\$ 145,393	\$ -	\$ -	\$ -	\$ -
City of Indian Wells	Replace exterior landscape lighting with extremely low-watt LED flood lamps.	Indian Wells	\$ 29,130	\$ -	\$ -	\$ -	\$ -
City of Lone	Retrofit to energy-efficient interior lighting with sensors, retrofit to high-efficiency HVAC / heat pumps, retrofit exterior lighting and retrofit LED exit signs.	Lone	\$ 43,787	\$ -	\$ -	\$ -	\$ -
City of Irwindale	Replace incandescent streetlights with LED.	Irwindale	\$ 25,000	\$ -	\$ -	\$ -	\$ -
City of Jackson	Replace high-pressure sodium streetlights with LED.	Jackson	\$ 24,050	\$ -	\$ -	\$ -	\$ -
City of King City	Upgrade high-pressure sodium streetlights with induction.	King City	\$ 63,544	\$ -	\$ -	\$ -	\$ -
City of La Canada Flintridge	Replace HVAC equipment, upgrade interior lighting, and replace exterior high-pressure sodium lights with LED lights.	La Canada Flintridge	\$ 115,667	\$ -	\$ -	\$ -	\$ -
City of La Habra Heights	Replace HVAC units, upgrade lighting, replace incandescent exit signs, upgrade T-12 lamps to T8 with electronic ballasts, and install photo cell control sensors.	La Habra Heights	\$ 32,860	\$ -	\$ -	\$ -	\$ -
City of La Palma	Replace HVAC units at City Hall and the police department, as well as upgrade interior and exterior light fixtures and install occupancy sensors.	La Palma	\$ 85,346	\$ -	\$ -	\$ -	\$ -
City of Lafayette	Retrofit existing streetlight fixtures with energy-efficient fixtures or bulbs.	Lafayette	\$ 137,000	\$ -	\$ -	\$ -	\$ -
City of Laguna Hills	Convert 304 incandescent traffic signals to LED throughout the city, and retrofit lighting and mechanical systems at multiple city-owned buildings.	Laguna Hills	\$ 174,071	\$ -	\$ -	\$ -	\$ -
City of Larkspur	Replace high-pressure sodium streetlights with induction lighting	Larkspur	\$ 63,132	\$ -	\$ -	\$ -	\$ -
City of Lathrop	Replace the existing HVAC to a high-efficiency HVAC, update the streetlight fixture equipment with more energy-efficient upgrades of the same type of equipment, and convert standard light switches to high-efficiency occupancy sensors.	Lathrop	\$ 93,700	\$ -	\$ -	\$ -	\$ -
City of Lemon Grove	Upgrade streetlights to LED lights, replace HVAC systems, upgrade to programmable thermostats, and retrofit interior lighting in two buildings.	Lemon Grove	\$ 132,374	\$ -	\$ -	\$ -	\$ -
City of Lemoore	Replace high-pressure sodium vapor (HPSV) streetlights with LED lighting fixtures.	Lemoore	\$ 136,469	\$ -	\$ -	\$ -	\$ -
City of Lima Linda	Replace 224 high-pressure sodium street lamps with energy-efficient LED lamps.	Loma Linda	\$ 123,200	\$ -	\$ -	\$ -	\$ -
City of Los Alamitos	Upgrade eight HVAC units totaling 44 tons to new 11.5 EER or 13 SEER units, and replace 329 fluorescent fixtures with energy-efficient 28 watt fluorescent lamps.	Los Alamitos	\$ 63,720	\$ -	\$ -	\$ -	\$ -
City of Los Altos	Replace high-pressure sodium, mercury vapor, and metal halide streetlights and parking lot lights with LED.	Los Altos	\$ 147,803	\$ -	\$ -	\$ -	\$ -
City of Los Gatos	Replace one 55 ton HVAC unit with a 10.5 SEER model and replace 176 high-pressure sodium, mercury vapor, and metal halide exterior lighting fixtures with induction fixtures.	Los Gatos	\$ 162,712	\$ -	\$ -	\$ -	\$ -
City of Malibu	Lighting retrofits and mechanical systems replacement at City Hall, Michael Landon center, Coldwell Banker building and two parks facilities. Incandescent traffic signals lamps will be replaced with LED modules.	Malibu	\$ 72,639	\$ -	\$ -	\$ -	\$ -
City of Marina	Replace 119 high-pressure sodium streetlights with LED equivalents on various streets throughout the city.	Marina	\$ 99,160	\$ -	\$ -	\$ -	\$ -
City of Marysville	Replace 145 streetlight heads with 20 LED bulbs in each, and retrofit 70 watt high-pressure sodium vapor streetlights.	Marysville	\$ 69,804	\$ -	\$ -	\$ -	\$ -
City of Menifee	Replace high-pressure sodium streetlights with LED or induction lighting, and replace low-time usage yellow ball and yellow arrow traffic signals with LEDs.	Menifee	\$ 318,176	\$ -	\$ -	\$ -	\$ -
City of Menlo Park	Replace high-pressure sodium vapor (HPSV) streetlights with LED lighting fixtures.	Menlo Park	\$ 163,154	\$ -	\$ -	\$ -	\$ -
City of Millbrae	Replace high-pressure sodium vapor (HPSV) streetlights with LED lighting fixtures.	Millbrae	\$ 112,630	\$ -	\$ -	\$ -	\$ -
City of Monterey	Retrofit existing high-pressure sodium and metal halide streetlights and parking lights with induction lighting.	Monterey	\$ 157,057	\$ -	\$ -	\$ -	\$ -
City of Morro Bay	Upgrade HVAC units at various city-owned buildings, upgrade interior and exterior lighting fixtures, and replace non-programmable thermostats with 7-day programmable units.	Morro Bay	\$ 55,983	\$ -	\$ -	\$ -	\$ -

APPENDIX A
Funding Awarded Through Energy Commission ARRA Solicitations and Cost-Share Leveraging

Project Description	Project Location (City or County)	ARRA Funding		Cost-Share Funding		Additional ARRA Funds Leveraged	Additional Public/Private Funds Leveraged
		Energy Commission	Workforce Investment Act	PIER	ARFVT Program		
City of Needles	Replace high-pressure sodium and metal halide streetlights with LED lights.	Needles	\$ 30,048	\$ -	\$ -	\$ -	\$ -
City of Nevada City	Replace a 5 ton HVAC system, upgrade interior lighting in four buildings and install occupancy sensor controls.	Nevada City	\$ 25,000	\$ -	\$ -	\$ -	\$ -
City of Oakley	Replace 313 various watt high-pressure Sodium streetlights with various watt LED.	Oakley	\$ 168,314	\$ -	\$ -	\$ -	\$ -
City of Orinda	Replace high-pressure sodium streetlights with LED lights.	Orinda	\$ 25,223	\$ -	\$ -	\$ -	\$ -
City of Orland	Replace the HVAC system for Orland City Hall, Orland Free Library, and the Public Corp Yard building.	Orland	\$ 25,000	\$ -	\$ -	\$ -	\$ -
City of Oroville	Replace high-pressure sodium streetlights with LEDs.	Oroville	\$ 82,126	\$ -	\$ -	\$ -	\$ -
City of Pacific Grove	Upgrade incandescent and high-pressure sodium streetlights, parking lot lights, and path lights to induction; upgrade incandescent pedestrian and traffic signals to LED.	Pacific Grove	\$ 80,911	\$ -	\$ -	\$ -	\$ -
City of Patterson	Replace standard and high-efficiency motors with premium efficiency motors, high-pressure sodium streetlights with induction lights, and incandescent traffic signals with LED.	Patterson	\$ 111,563	\$ -	\$ -	\$ -	\$ -
City of Piedmont	Replace existing high-pressure sodium cobra-head streetlight fixtures with induction cobra-head fixtures.	Piedmont	\$ 58,369	\$ -	\$ -	\$ -	\$ -
City of Pinole	Replace high-pressure sodium streetlights with LED lighting fixtures.	Pinole	\$ 103,455	\$ -	\$ -	\$ -	\$ -
City of Pismo Beach	Upgrade streetlights, install variable frequency drives, retrofit interior lighting, install occupancy sensors, and retrofit exterior lighting to induction.	Pismo Beach	\$ 46,402	\$ -	\$ -	\$ -	\$ -
City of Placerville	Upgrade high-pressure sodium and metal halide streetlights and parking lot lights with LED, and upgrade interior lights.	Placerville	\$ 55,226	\$ -	\$ -	\$ -	\$ -
City of Red Bluff	Replace high-pressure sodium streetlights with LED.	Red Bluff	\$ 78,734	\$ -	\$ -	\$ -	\$ -
City of Ridgecrest	Replace high-pressure sodium streetlights and parking lot lights with induction.	Ridgecrest	\$ 146,071	\$ -	\$ -	\$ -	\$ -
City of San Anselmo	Replace high-pressure sodium streetlights with LEDs.	San Anselmo	\$ 64,622	\$ -	\$ -	\$ -	\$ -
City of San Carlos	Replace high-pressure sodium streetlights with LED and upgrade interior lights. Upgrade street and exterior walkway high-pressure sodium lighting with induction.	San Carlos	\$ 147,059	\$ -	\$ -	\$ -	\$ -
City of San Fernando	Replace existing high-pressure sodium streetlights and Incandescent streetlights located within the public right of way with Induction lights.	San Fernando	\$ 132,667	\$ -	\$ -	\$ -	\$ -
City of San Juan Batista	Retrofit existing city-wide high-pressure sodium streetlights with induction lighting.	San Juan Batista	\$ 25,000	\$ -	\$ -	\$ -	\$ -
City of San Juan Capistrano	Upgrade/replace inefficient HVAC systems at City Hall, the Police Department, the Fire Department and Public Works.	San Juan Capistrano	\$ 189,031	\$ -	\$ -	\$ -	\$ -
City of San Marino	Replace existing HVAC units with SEER 13.	San Marino	\$ 71,904	\$ -	\$ -	\$ -	\$ -
City of Santa Fe Springs	Replace existing high-pressure sodium streetlights with LEDs.	Santa Fe Springs	\$ 95,064	\$ -	\$ -	\$ -	\$ -
City of Saratoga	Replace existing high-pressure sodium streetlights with LEDs.	Saratoga	\$ 168,675	\$ -	\$ -	\$ -	\$ -
City of Scotts Valley	Replace high-pressure sodium streetlights with new induction fixtures	Scotts Valley	\$ 61,709	\$ -	\$ -	\$ -	\$ -
City of Seaside	Replace high-pressure sodium streetlights with induction lighting and incandescent signals with LED signals.	Seaside	\$ 185,293	\$ -	\$ -	\$ -	\$ -
City of Shasta Lake	Install four variable frequency drives (VFD) on existing pumps at two city lift stations. The VFDs will be installed on two 200-hp pumps and two 75-hp pumps. Replace eight standard efficiency motors in water wells located throughout the city totaling 910 horse power with premium efficiency motors.	Shasta Lake	\$ 58,555	\$ -	\$ -	\$ -	\$ -
City of Signal Hill	Replace existing high-pressure sodium cobra-head streetlight fixtures with induction cobra-head fixtures.	Signal Hill	\$ 60,853	\$ -	\$ -	\$ -	\$ -
City of Soledad	Replace two furnaces at the police department.	Soledad	\$ 154,426	\$ -	\$ -	\$ -	\$ -
City of Sonora	Replace interior and exterior lights and/or lighting fixtures and sensors.	Sonora	\$ 7,500	\$ -	\$ -	\$ -	\$ -
City of South Lake Tahoe	Replace an existing HVAC unit with SEER 13, upgrade interior lighting, replace existing streetlighting with induction, and install lighting and occupancy control sensors in various buildings..	South Lake Tahoe	\$ 130,311	\$ -	\$ -	\$ -	\$ -
City of Tehachapi	Replace HVAC units, install programmable thermostats, and replace existing lighting with energy-efficient lighting in various buildings.	Tehachapi	\$ 69,261	\$ -	\$ -	\$ -	\$ -
City of Tehama	Replace high-pressure sodium streetlights with LEDs.	Tehama	\$ 25,000	\$ -	\$ -	\$ -	\$ -
City of Westlake Village	Replace 6 high-pressure sodium cobra head streetlights with induction lamps, retrofit 3 exterior floodlights with LED lights, replace HVAC systems, upgrade to programmable thermostats, and retrofit interior lighting.	Westlake Village	\$ 47,351	\$ -	\$ -	\$ -	\$ -
City of Westmorland		Westmorland	\$ 25,000	\$ -	\$ -	\$ -	\$ -

APPENDIX A
Funding Awarded Through Energy Commission ARRA Solicitations and Cost-Share Leveraging

Project Description	Project Location (City or County)	ARRA Funding		Cost-Share Funding		Additional ARRA Funds Leveraged	Additional Public/Private Funds Leveraged
		Energy Commission	Workforce Investment Act	PIER	ARFVT Program		
Upgrade lighting systems to T8 lamps and electronic ballasts, install dual technology occupancy sensor lighting controls, and retrofit to LED exit signs and LED parking lot lighting.	Wheatland	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -
Replace incandescent vehicle traffic signals and old vehicle LED traffic signals. Also replacing existing high-pressure sodium parking lot lighting with induction lighting.	Wildomar	\$ 134,140	\$ -	\$ -	\$ -	\$ -	\$ -
Upgrade HVACs to more energy-efficient systems, retrofit various watt high-pressure sodium and metal halide exterior lighting to induction, upgrade interior lighting, and install a programmable thermostat.	Williams	\$ 28,330	\$ -	\$ -	\$ -	\$ -	\$ -
Replace metal halide walkway and streetlights with LED and induction lighting fixtures.	Willows	\$ 36,351	\$ -	\$ -	\$ -	\$ -	\$ -
Replace high-pressure sodium streetlights with induction, upgrade outdoor lighting, and install indoor occupancy sensors. The city will also replace four HVAC units and upgrade florescent and incandescent exit signs to LED.	Winters	\$ 38,830	\$ -	\$ -	\$ -	\$ -	\$ -
Replace interior and exterior lights, install occupancy sensors and LED exit signs, and upgrade HVAC motors.	El Dorado County	\$ 812,423	\$ -	\$ -	\$ -	\$ -	\$ -
Replace 15 old HVAC units totaling 93 tons and manual thermostats with 15 new HVAC units and programmable thermostats at six county buildings.	Glenn County	\$ 88,666	\$ -	\$ -	\$ -	\$ -	\$ -
Replace 16 old HVAC units and manual thermostats with new HVAC units and programmable thermostats, convert old T8 32 watt lamps to T8 28 watt lamps, install occupancy sensors, and vending machine misers.	Mariposa County	\$ 102,062	\$ -	\$ -	\$ -	\$ -	\$ -
Replace existing metal halide, high-pressure sodium lighting with energy-efficient induction lighting and replace high watt fluorescent lighting in public parking lots with low-watt fluorescent lighting.	Merced	\$ 511,566	\$ -	\$ -	\$ -	\$ -	\$ -
Install HVAC upgrades and variable frequency drives.	San Joaquin	\$ 836,781	\$ -	\$ -	\$ -	\$ -	\$ -
Replace metal halide parking lights with LED.	Solano County	\$ 112,319	\$ -	\$ -	\$ -	\$ -	\$ -
Replace incandescent with LED streetlights, and retrofit interior lights with T-8 and ballasts.	Sutter County	\$ 141,606	\$ -	\$ -	\$ -	\$ -	\$ -
Upgrade 42 HVAC units, replace over 4,100 32 watt T8 fluorescent lamps with 28 watt T8 fluorescent lamps, and replace 42 regular thermostats with programmable thermostats.	Tehama County	\$ 232,926	\$ -	\$ -	\$ -	\$ -	\$ -
Replace high-pressure sodium vapor (HPSV) streetlights with LED lighting fixtures.	Cities of Biggs, Healdsburg, and Ukiah	\$ 167,927	\$ -	\$ -	\$ -	\$ -	\$ -
Projects that include replacement of older motors with premium efficient motors, upgrading lighting systems, replacing incandescent exit signs with LED, converting regular thermostats to programmable units, converting streetlights from high-pressure sodium to LED, and upgrading aging HVAC units.	A collaborative for the City of Weed, City of Portola, City of Alturas, County of Sierra, County of Lassen, and Town of Paradise	\$ 307,508	\$ -	\$ -	\$ -	\$ -	\$ -
Replace high-pressure sodium lights with energy-efficient induction lights, and replace outdated fluorescent lighting with energy-efficient fluorescent lights.	Plumas County	\$ 108,509	\$ -	\$ -	\$ -	\$ -	\$ -
Replace high-pressure sodium and metal halide streetlights and parking lights with LED/induction lights, upgrade interior lights and install occupancy sensor controls, replace exit signs with LED, retrofit with premium efficient motors, install variable frequency drives on pump/fan motors, replace HVACs, and retrofit with programmable thermostats.	A collaborative for the cities of Chowchilla, Coalinga, Dos Palos, Exeter, Firebaugh, Fowler, Gustine, Kernan, Kingsburg, Lindsay, Maricopa, McFarland, Mendota, Newman, Oakdale, Orange Cove, Parlier, Reedley, San Joaquin, Sanger, Selma, Shafter, Taft, Waterford, Woodlake	\$ 1,725,303	\$ -	\$ -	\$ -	\$ -	\$ -
Replace 32 high-pressure sodium streetlights with LED replacement fixtures and replace 30 high-pressure sodium pedestrian streetlights with induction streetlights.	Colma	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -
Replace high-pressure sodium vapor decorative lamps in streetlights with higher efficiency options including induction or light-emitting diodes.	Fairfax	\$ 38,178	\$ -	\$ -	\$ -	\$ -	\$ -

APPENDIX A

Funding Awarded Through Energy Commission ARRA Solicitations and Cost-Share Leveraging

Project Description	Project Location (City or County)	ARRA Funding		Cost-Share Funding		Additional ARRA Funds Leveraged	Additional Public/Private Funds Leveraged
		Energy Commission	Workforce Investment Act	PIER	ARFVT Program		
Town of Hillsborough	Replace 7 motors totaling 560 horsepower with NEMA Premium Efficiency motors, upgrade interior lights and exit signs, install occupancy sensors, and replace high-pressure sodium wall packs with induction.	Hillsborough	\$ 58,463	\$ -	\$ -	\$ -	\$ -
Town of Loomis	Retrofit streetlights from high-pressure sodium to induction lamps.	Loomis	\$ 37,403	\$ -	\$ -	\$ -	\$ -
Town of Windsor	Replace high-pressure sodium streetlights with LED and induction lighting and upgrade interior lighting.	Windsor, Cotati, and Cloverdale	\$ 223,700	\$ -	\$ -	\$ -	\$ -
Town of Yucca Valley	Retrofit the lighting system and controls and replace the HVAC system at the Town Hall.	Yucca Valley	\$ 115,549	\$ -	\$ -	\$ -	\$ -
<i>SUBTOTAL DIRECT EQUIPMENT PURCHASE</i>			\$ 15,083,259	\$ -	\$ -	\$ -	\$ -
<i>B. Energy Efficiency Retrofits</i>							
Acterra	Prepare energy assessments for high energy use homes and provide home owners with recommendations on energy reduction measures and implementations of these measures.	A collaborative for the Cities of Atherton, Los Altos Hills, Monte Sereno, Portola Valley, and Woodside	\$ 166,746	\$ -	\$ -	\$ -	\$ -
City of Adelanto	Upgrade interior and exterior lighting systems, install occupancy sensors, and install LED exit signs at City Hall, the Senior Center, Fire Department and Police Department.	Adelanto	\$ 157,297	\$ -	\$ -	\$ -	\$ -
City of Anderson	Upgrade existing lighting, install controls, and change streetlights from high-pressure sodium to LEDs.	Anderson	\$ 60,746	\$ -	\$ -	\$ -	\$ -
City of Arroyo Grande	Install building energy management system controls, computer automatic shut down controls, vending machine misers, and interior lighting retrofits.	Arroyo Grande	\$ 92,236	\$ -	\$ -	\$ -	\$ -
City of Barstow	Upgrade lighting and motion sensors.	Barstow	\$ 140,166	\$ -	\$ -	\$ -	\$ -
City of Beverly Hills	Lighting retrofits, mechanical upgrades, and installation of variable frequency drives at City Hall, Police Department, Public Works building and La Cienega Community Center.	Beverly Hills	\$ 192,706	\$ -	\$ -	\$ -	\$ -
City of Blythe	Upgrade lighting and install dual technology occupancy sensors and LED exit signs.	Blythe	\$ 129,704	\$ -	\$ -	\$ -	\$ -
City of Buellton	Install an automatic dissolved oxygen control system in the aeration basin of the City's wastewater treatment facility.	Buellton	\$ 25,000	\$ -	\$ -	\$ -	\$ -
City of Burlingame	Install sensors, lighting retrofit, HVAC, variable speed drives and motors at the fire station, police department, corporate yard, city garage and library; and upgrade streetlights to induction lamps.	Burlingame	\$ 150,010	\$ -	\$ -	\$ -	\$ -
City of Calabasas	Interior and exterior lighting upgrades, replacement of outdoor high-pressure sodium and metal halide lights with compact fluorescent fixtures, and installation of occupancy sensor controls.	Calabasas	\$ 85,972	\$ -	\$ -	\$ -	\$ -
City of Carmel-by-the-Sea	Upgrade interior and exterior lighting and replace HVAC equipment.	Carmel-by-the-Sea	\$ 16,900	\$ -	\$ -	\$ -	\$ -
City of Clearlake	Convert incandescent traffic signal lights to LED, convert interior T12 and old T8 to new T8 28 watt lamps and replace old tar and gravel roof with new cool roof material with insulation, and replace parking lot lights with induction.	Clearlake	\$ 86,139	\$ -	\$ -	\$ -	\$ -
City of Commerce	Upgrade lighting at four city buildings	Commerce	\$ 74,956	\$ -	\$ -	\$ -	\$ -
City of Corning	Upgrade aging HVAC units, and lighting systems to 28 watt T8 lamps and electronic ballast	Corning	\$ 40,604	\$ -	\$ -	\$ -	\$ -
City of Del Mar	Purchase a storage array network that will consolidate storage of the city's data into one physical device, resulting in reduced energy use.	Del Mar	\$ 25,000	\$ -	\$ -	\$ -	\$ -
City of Del Rey Oaks	Retrofit the lighting systems and controls at multiple city owned facilities to a more energy-efficient lighting system. Single-pane windows on the south facing side of City Hall building will be Replaced with the latest energy-efficient, dual-pane, low E2 windows.	Del Rey Oaks	\$ 15,811	\$ -	\$ -	\$ -	\$ -
City of Desert Hot Springs	Upgrade aging HVAC units, replace incandescent traffic signals with LED, and upgrade lighting systems to 28 watt T8 lamps and electronic ballasts.	Desert Hot Springs	\$ 138,200	\$ -	\$ -	\$ -	\$ -
City of Dinuba	Retrofit existing lighting, install occupancy sensors and daylight controllers, and install network thermostat to control HVAC system at various locations.	Dinuba	\$ 114,827	\$ -	\$ -	\$ -	\$ -
City of Duarte	Upgrade interior lighting systems and install occupancy sensor controls.	Duarte	\$ 112,117	\$ -	\$ -	\$ -	\$ -
City of El Cerrito	Replace metal halide lighting fixtures along the Ohlone Greenway with lower wattage LEDs, and retrofit 14 of the 20 city-owned buildings with upgraded lighting and occupancy sensors.	El Cerrito	\$ 123,066	\$ -	\$ -	\$ -	\$ -
City of El Segundo	Lighting retrofits and mechanical upgrades at City Hall, Police Department, El Segundo Library and Fire Station.	El Segundo	\$ 90,961	\$ -	\$ -	\$ -	\$ -

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Funding Awarded Through Energy Commission ARRA Solicitations and Cost-Share Leveraging

Project Description	Project Location (City or County)	ARRA Funding		Cost-Share Funding		Additional ARRA Funds Leveraged	Additional Public/Private Funds Leveraged
		Energy Commission	Workforce Investment Act	PIER	ARFVT Program		
City of Fort Bragg	Replace old lighting at various facilities, and 20 HP pumps at its wastewater treatment facility.	Fort Bragg	\$ 36,458	\$ -	\$ -	\$ -	\$ -
City of Grover Beach	Lighting and building control replacements at seven city-owned buildings.	Grover Beach	\$ 71,058	\$ -	\$ -	\$ -	\$ -
City of Hawaiian Gardens	Lighting retrofits and computer controls at City Hall, Community Center and Public Works.	Hawaiian Gardens	\$ 85,105	\$ -	\$ -	\$ -	\$ -
City of Hermosa Beach	Retrofit lighting for city streetlights, Community Center and Parking Structure with sensors and fixtures with induction.	Hermosa Beach	\$ 108,136	\$ -	\$ -	\$ -	\$ -
City of La Verne	Install various energy efficiency projects at three city buildings. The project includes parking lot light, traffic signal and interior lighting retrofit, city hall HVAC replacement and energy management system.	La Verne	\$ 184,473	\$ -	\$ -	\$ -	\$ -
City of Laguna Beach	Lighting and mechanical retrofits at City Hall, Long Park Community Center, Corporation Yard, two parking garages, and one fire station.	Laguna Beach	\$ 131,079	\$ -	\$ -	\$ -	\$ -
City of Laguna Woods	Retrofit the lighting and roof-mounted HVAC systems at City Hall to a more energy-efficient system, and replace south facing single-pane windows with energy-efficient, dual-pane, low E2 windows.	Laguna Woods	\$ 99,416	\$ -	\$ -	\$ -	\$ -
City of Lawndale	Lighting retrofits and mechanical improvements at City Hall, Public Works building, Lawndale Community Center and Rogers Middle School.	Lawndale	\$ 175,818	\$ -	\$ -	\$ -	\$ -
City of Live Oak	Upgrade pumps and motors assemblies at four water wells and a booster station.	Live Oak	\$ 45,998	\$ -	\$ -	\$ -	\$ -
City of Livingston	Replace five old and standard efficiency motors at the water wells with premium efficiency motors.	Livingston	\$ 77,464	\$ -	\$ -	\$ -	\$ -
City of Lomita	Upgrade HVAC at City Hall with a variable air volume system, install ultraviolet emitters on existing HVAC equipment, upgrade interior lighting systems and exterior lighting at several locations.	Lomita	\$ 112,821	\$ -	\$ -	\$ -	\$ -
City of Loyalton	Replace five existing surface aerators with new aerator modules powered by premium efficiency motors with auto controls.	Loyalton	\$ 24,038	\$ -	\$ -	\$ -	\$ -
City of Mammoth Lakes	Replace old, inefficient boiler with high-efficiency condensing boilers.	Mammoth Lakes	\$ 41,646	\$ -	\$ -	\$ -	\$ -
City of Marin	Upgrade HVAC equipment at the Civic Center and upgrade parking lot lights and streetlights with LED.	Marin	\$ 376,953	\$ -	\$ -	\$ -	\$ -
City of Mill Valley	Retrofit lighting at the Public Safety Building and the Mill Valley Middle School and a condensing unit upgrade at the Library.	Mill Valley	\$ 71,550	\$ -	\$ -	\$ -	\$ -
City of Norco	Replace existing equipment with energy-efficient pumps and motors assemblies at two booster pump stations. The project also includes retrofitting energy-efficient lighting at the Sports Complex.	Norco	\$ 153,259	\$ -	\$ -	\$ -	\$ -
City of Palos Verdes Estates	Install ultraviolet emitters on existing HVAC equipment and replace HVAC equipment for the City Police Department and Council Chambers.	Palos Verdes Estates	\$ 28,283	\$ -	\$ -	\$ -	\$ -
City of Pleasant Hill	Replace several water source heat pump units and controls, install programmable thermostats and DDC upgrade for City Hall, install variable speed drive for cooling tower and the fountain pump, and upgrade outside air intake and actuator controls for server room.	Pleasant Hill	\$ 180,934	\$ -	\$ -	\$ -	\$ -
City of Rancho Mirage	Upgrade lighting, clean the coils of the air conditioners, and install energy saving controls on vending machines.	Rancho Mirage	\$ 95,335	\$ -	\$ -	\$ -	\$ -
City of Ripon	Install a split AC unit in the police department's dispatch area; upgrade existing HVAC and lighting systems in the old library building; and retrofit streetlighting by replacing sodium vapor lights around the city with induction type lights.	Ripon	\$ 81,861	\$ -	\$ -	\$ -	\$ -
City of Rolling Hills Estates	Implement interior and exterior lighting retrofits and mechanical upgrades at City Hall.	Rolling Hills Estates	\$ 43,580	\$ -	\$ -	\$ -	\$ -
City of San Pablo	Replace high-pressure sodium and metal halide streetlights and parking lights with LED lights, upgrade interior lights, and install occupancy sensor controls.	San Pablo	\$ 169,886	\$ -	\$ -	\$ -	\$ -
City of Seal Beach	Lighting retrofits and mechanical upgrades at Police Department, Public Works, City Hall, Marina Community Center and two city owned libraries.	Seal Beach	\$ 131,827	\$ -	\$ -	\$ -	\$ -
City of Sebastopol	Replace high-pressure sodium and metal halide streetlights with LED, and upgrade interior lights.	Sebastopol	\$ 41,237	\$ -	\$ -	\$ -	\$ -
City of Sierra Madre	Upgrade interior lighting systems, and install occupancy sensors and photocell controls.	Sierra Madre	\$ 60,569	\$ -	\$ -	\$ -	\$ -
City of Solano Beach	Replace existing SEER 7 and 10 HVAC units with SEER 15.	Solano Beach	\$ 70,365	\$ -	\$ -	\$ -	\$ -
City of Solvang	Install an automatic oxygen control system to control the blowers at wastewater treatment facility.	Solvang	\$ 27,894	\$ -	\$ -	\$ -	\$ -
City of South El Monte	Replace older HVACs, install vending controls and occupancy sensors, upgrade interior and exterior lighting, and retrofit parking lot lights to pulse start metal halide with bilevel dimming.	South El Monte	\$ 118,700	\$ -	\$ -	\$ -	\$ -

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Project Description	Project Location (City or County)	ARRA Funding		Cost-Share Funding		Additional ARRA Funds Leveraged	Additional Public/Private Funds Leveraged
		Energy Commission	Workforce Investment Act	PIER	ARFVT Program		
City of South Pasadena	Replace incandescent traffic signals with LED, replace a boiler system with an instantaneous hot water heating system and heat pump, install cool roof composition at City Hall, and replace the constant air distribution with a variable air system.	South Pasadena	\$ 136,878	\$ -	\$ -	\$ -	\$ -
City of St. Helena	Retrofit lighting and motion sensors.	St. Helena	\$ 31,627	\$ -	\$ -	\$ -	\$ -
City of Suisun	Upgrade interior and exterior lighting, install occupancy sensors, install computer workstation power management software, replace HVAC equipment and install energy management system controls.	Suisun	\$ 150,250	\$ -	\$ -	\$ -	\$ -
City of Susanville	Replace electric water heaters with natural gas water heaters in approximately 60 homes.	Susanville	\$ 99,685	\$ -	\$ -	\$ -	\$ -
City of Twentynine Palms	Replace aging HVAC units at the City Hall, Finance Building and Recreation Complex, convert kitchen stove standing pilot lights to spark igniters, and retrofit lighting systems at multiple city owned facilities.	Twentynine Palms	\$ 171,551	\$ -	\$ -	\$ -	\$ -
City of Villa Park	Retrofit the lighting systems and the 10-ton HVAC unit and controls at City Hall to a more energy-efficient systems and controls.	Villa Park	\$ 32,411	\$ -	\$ -	\$ -	\$ -
City of Walnut	Retrofit lighting and mechanical systems and controls at multiple city owned facilities to a more energy-efficient system.	Walnut	\$ 172,264	\$ -	\$ -	\$ -	\$ -
City of Yountville	Retrofit to LED streetlights, upgrade lighting with motion sensors, install LED exit signs, HVAC retrofit, and building insulation.	Yountville	\$ 25,000	\$ -	\$ -	\$ -	\$ -
County of Amador	Upgrade aging HVAC units, install programmable thermostats, and upgrade lighting systems to 28 watt T8 lamps and electronic ballasts.	Amador County	\$ 122,922	\$ -	\$ -	\$ -	\$ -
County of Butte	A countywide interior lighting retrofit and some exterior lighting retrofit, including conversion from T8 32 watt to T8 28 watt in all buildings, and metal halide conversion to T8. The exterior lighting project includes converting streetlights and parking lot lights to induction and LED.	Butte County	\$ 478,245	\$ -	\$ -	\$ -	\$ -
County of Calaveras	Upgrade interior lighting in 12 buildings and install a central control system for HVAC units.	County of Calaveras	\$ 180,480	\$ -	\$ -	\$ -	\$ -
County of Del Norte	Replace heating and ventilating equipment and controls, and Replace domestic hot water heaters.	Del Norte County	\$ 122,157	\$ -	\$ -	\$ -	\$ -
County of Humboldt	Upgrade interior lighting systems, parking lot lights, and streetlights, and replace existing motors with high-efficiency motors.	includes the Counties of Humboldt and Trinity; and the Cities of Arcata, Blue Lake, Crescent, Etna, Eureka, Ferndale, Fortuna, Point Arena, Rio Dell, and Trinidad	\$ 972,825	\$ -	\$ -	\$ -	\$ -
County of Imperial	Replace 288 tons of very old HVAC and install programmable thermostats.	EI Centro	\$ 243,506	\$ -	\$ -	\$ -	\$ -
County of Lake	Retrofit HVAC and install thermostats, retrofit to high-efficiency interior lights, and install sensors.	Lake County	\$ 258,925	\$ -	\$ -	\$ -	\$ -
County of Mendocino	Upgrade lighting fixtures, replace HVAC equipment and Upgrade energy management system controls.	Mendocino County	\$ 341,200	\$ -	\$ -	\$ -	\$ -
County of Mono	Replace thermostats, mixed-air temperature sensors, motors and drivers, and upgrade controls for the boilers in Courthouse Annex 1 and Courthouse Annex 2	County of Mono	\$ 49,649	\$ -	\$ -	\$ -	\$ -
County of Nevada	Replace HVAC equipment and controls, lighting retrofit, and the domestic boiler.	County of Nevada	\$ 373,291	\$ -	\$ -	\$ -	\$ -
County of Placer	Install various energy efficiency projects at six county buildings. The project includes lighting retrofit and controls, HVAC replacement and commissioning and controls and vending machine controls.	County of Placer	\$ 606,540	\$ -	\$ -	\$ -	\$ -
County of San Benito	Install a 60 ton chiller at the County Courthouse, upgrade interior and exterior lights at various County buildings (Public Works, jail, Juvenile Hall and Administration) and replace streetlights with induction lights.	County of San Benito	\$ 107,874	\$ -	\$ -	\$ -	\$ -
County of Santa Clara	Retro-commission and install lighting controls at four county owned facilities.	Santa Clara County	\$ 553,438	\$ -	\$ -	\$ -	\$ -
County of Santa Cruz	Upgrade the ozone laundry, mechanical and pump controls, motors and HVAC at 10 county facilities.	Santa Cruz County	\$ 746,372	\$ -	\$ -	\$ -	\$ -
County of Stanislaus	Replace the HVAC systems at the County's Juvenile Detention Facility. In addition, 276 streetlight fixtures will be retrofitted from the existing high-pressure sodium and mercury vapor technologies to induction technology.	Stanislaus County	\$ 671,249	\$ -	\$ -	\$ -	\$ -
County of Tuolumne	Retrofit a total of 1,965 fixtures throughout County facilities, and install programmable thermostats to replace old manual thermostats.	Tuolumne County	\$ 292,287	\$ -	\$ -	\$ -	\$ -

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Project Description	Project Location (City or County)	ARRA Funding		Cost-Share Funding		Additional ARRA Funds Leveraged	Additional Public/Private Funds Leveraged
		Energy Commission	Workforce Investment Act	PIER	ARFVT Program		
County of Ventura	Upgrade interior lighting systems, outdoor lighting and HVAC equipment.	A collaborative for the County of Ventura and the Cities of Fillmore, Ojai, Port Hueneme, and Santa Paula	\$ 932,807	\$ -	\$ -	\$ -	\$ -
County of Yolo	Replace high-pressure Sodium Pole Lights with LED lighting fixtures.	County of Yolo	\$ 129,238	\$ -	\$ -	\$ -	\$ -
County of Yuba	Install variable frequency drives for two new, highest-efficiency cooling tower fan motors for HVAC and lighting upgrades, including occupancy sensors.	Yuba County	\$ 328,909	\$ -	\$ -	\$ -	\$ -
County of Shasta	Replace aging, inefficient variable speed drives at two pump stations.	Shasta County	\$ 408,664	\$ -	\$ -	\$ -	\$ -
Inyo County	Replace old lighting, installing wall sensors, and upgrading HVAC control system for the Courthouse Annex Building.	Inyo County	\$ 79,941	\$ -	\$ -	\$ -	\$ -
San Joaquin Valley Air Pollution Control District	Replace high-pressure sodium and metal halide streetlights and parking lights with LED/induction, upgrade interior lights and install occupancy sensor controls, replace exit signs with LED, retrofit motors with premium efficient motors, install variable frequency drives on pump/blower/fan motors, upgrade HVACs and retrofit with programmable thermostats, install dual-pane windows and cool roofs, install tankless/energy-efficient water heaters, install misers on vending machines, install Network PC Plug Load Power Management Software, and upgrade boilers and economizers.	A collaborative for Kings, Madera and Tulare counties and the cities of Arvin, Atwater, Avenal, Corcoran, Hughson, Huron, Riverbank and Wasco	\$ 2,282,811	\$ -	\$ -	\$ -	\$ -
Siskiyou County Economic Development Council	Retrofit existing lighting and lighting controls and install premium efficiency motors, demand control ventilation, and roof insulation upgrades.	A collaborative for the Cities of Yreka, Mt. Shasta, Dunsmuir, Montague, Fort Jones, Dorris, and the County of Siskiyou	\$ 311,260	\$ -	\$ -	\$ -	\$ -
Town of Moraga	Upgrade HVAC systems, upgrade parking and streetlights and install lighting controls.	Moraga	\$ 93,465	\$ -	\$ -	\$ -	\$ -
Town of Truckee	Retrofit T12 fluorescent light fixtures to T8, and install daylight controls, premium efficiency motors, and network thermostat controls.	Truckee	\$ 89,354	\$ -	\$ -	\$ -	\$ -
SUBTOTAL ENERGY EFFICIENCY RETROFITS			\$ 16,481,982	\$ -	\$ -	\$ -	\$ -
C. Municipal Financing Program and Municipal Financing / Direct Equipment Purchase							
County of Alameda	Convert 588 high-pressure sodium and metal halide fixtures to induction fixtures using the Direct Equipment Purchase option, and participate in Energy Upgrade California.	Alameda County	\$ 784,396	\$ -	\$ -	\$ -	\$ -
County of Santa Barbara	Assist property owners with energy efficiency improvements.	Santa Barbara County	\$ 772,635	\$ -	\$ -	\$ -	\$ -
SUBTOTAL MUNICIPAL FINANCING PROGRAM			\$ 1,557,031	\$ -	\$ -	\$ -	\$ -
D. Discretionary Grants							
City of Fresno	Expand energy efficiency retrofits.	Fresno	\$ 1,900,000	\$ -	\$ -	\$ -	\$ -
County of Los Angeles Internal Services Department	Install energy efficiency retrofits in single-family and multifamily homes.	Los Angeles County	\$ 8,000,000	\$ -	\$ -	\$ -	\$ -
County of San Diego	Design and implement a comprehensive residential building retrofit program.	San Diego County	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -
SUBTOTAL DISCRETIONARY GRANTS			\$ 12,900,000	\$ -	\$ -	\$ -	\$ -
TOTAL EECBG PROGRAM			\$ 46,022,272	\$ -	\$ -	\$ -	\$ 24,370,501
TOTAL FORMULA-BASED FUNDING AWARDS TO DATE			\$ 249,053,448	\$ 10,043,738	\$ -	\$ 2,210,000	\$ 637,922,401
LEVERAGED FUNDING FOR DOE COMPETITIVE SOLICITATIONS							
Public Interest Research Program							
A. Smart Grid Research Projects							
Amber Kinetics, Inc. Smart Grid Storage Demonstration Project	Develop and demonstrate an innovative flywheel technology for use in grid-connected, low-cost bulk energy storage applications.	Fremont	\$ -	\$ -	\$ 369,466.00	\$ -	\$ 3,694,660.00
Burbank Water and Power Smart Grid Project	The project will deploy multiple integrated smart grid technologies, including 51,000 electric smart meters and a connected smart meter network for water usage, Customer Smart Choice, Energy Demand Management programs, and enhanced grid security systems.	Burbank	\$ -	\$ -	\$ 1,000,000.00	\$ -	\$ 20,000,000.00
City of Anaheim Smart Grid Project	Upgrade and enhance the city's smart grid network and demand response systems, including installing 35,000 residential meters.	Anaheim	\$ -	\$ -	\$ 590,000.00	\$ -	\$ 5,896,025.00

APPENDIX A
Funding Awarded Through Energy Commission ARRA Solicitations and Cost-Share Leveraging

Project Description	Project Location (City or County)	ARRA Funding		Cost-Share Funding		Additional ARRA Funds Leveraged	Additional Public/Private Funds Leveraged	
		Energy Commission	Workforce Investment Act	PIER	ARFVT Program			
City of Glendale Water and Power Smart Grid Project	Install 84,000 smart meters and a meter control system that will provide customers access to data about their electricity usage and enable dynamic rate programs.	Glendale	\$ -	\$ -	\$ 1,000,000.00	\$ -	\$ 20,000,000.00	\$ 29,302,405.00
Electric Power Group & PG&E - WECC	Install over 250 phasor measurement units across the Western Interconnection and create a communications system to collect data for real-time situational awareness.	Pasadena and Folsom	\$ -	\$ -	\$ 999,743.00	\$ -	\$ 32,000,000.00	\$ -
EnerVault-Ktech	Demonstrate a prototype flow battery system that can be grid-connected, charged and discharged, and scaled to utility power levels.	Sunnyvale and Snelling / Modesto	\$ -	\$ -	\$ 476,428.00	\$ -	\$ 4,764,284.00	\$ 4,287,855.00
Los Angeles Department of Water and Power Smart Grid Regional Demonstration Project	Deploy smart grid systems at partners' university campus properties and technology transfer laboratories.	Los Angeles	\$ -	\$ -	\$ 1,000,000.00	\$ -	\$ 60,280,000.00	\$ 59,280,000.00
Modesto Irrigation District Smart Grid Project	Install 4,000 smart meters, enhance the electricity distribution system to help reduce peak demand and overall system losses, and developing improved customer service programs including dynamic pricing, billing system modifications, and education and outreach efforts.	Modesto	\$ -	\$ -	\$ 149,315.00	\$ -	\$ 1,493,149.00	\$ 4,373,612.00
Pacific Gas & Electric Company Smart Grid Storage Demonstration Project	Build and validate the design, performance, and reliability of an advanced, underground 300 MW Compressed Air Energy Storage plant.	San Francisco and Tehachapi	\$ -	\$ -	\$ 1,000,000.00	\$ -	\$ 25,000,000.00	\$ 329,271,000.00
Primus Power Corporation Smart Grid Storage Demonstration Project	Deploy a 25 MW - 75 MWh EnergyFarm for the Modesto Irrigation District in California's Central Valley.	Alameda, San Ramon, Modesto	\$ -	\$ -	\$ 1,000,000.00	\$ -	\$ 14,000,000.00	\$ 31,700,000.00
Sacramento Municipal Utility District Smart Grid Project	Install a comprehensive regional smart grid system that includes 600,000 smart meters, dynamic pricing, 100 electric vehicle charging stations, and 50,000 demand response controls.	Sacramento and Rancho Cordova	\$ -	\$ -	\$ 1,000,000.00	\$ -	\$ 127,506,261.00	\$ 179,230,823.00
Sacramento Municipal Utility District Smart Grid Project	Demonstrate a Zn-Br2 Flow battery integration with PV and smart grid and install a comprehensive macro-grid system connected to a PV residential development.	Sacramento and Rancho Cordova	\$ -	\$ -	\$ 227,000.00	\$ -	\$ 2,270,000.00	\$ 2,920,123.00
San Diego Gas and Electric Company Smart Grid Project	Implement an advanced wireless communications system to provide connection for 1,400,000 smart meters, enable dynamic pricing, and allow increased monitoring, communication, and control over the electrical system.	San Diego	\$ -	\$ -	\$ 1,000,000.00	\$ -	\$ 28,115,052.00	\$ 30,976,915.00
SEEO, Inc. Smart Grid Storage Demonstration Project	Develop and deploy a 25 kWh prototype battery system to demonstrate the substantial improvements offered by solid state lithium-ion technologies for energy density, battery life, safety, and cost.	Berkeley and Van Nuys	\$ -	\$ -	\$ 600,000.00	\$ -	\$ 6,196,060.00	\$ 5,596,060.00
Southern California Edison Company Smart Grid Regional Demonstration Project	Demonstrate an integrated, scalable Smart Grid system.	Rosemead	\$ -	\$ -	\$ 1,000,000.00	\$ -	\$ 40,134,700.00	\$ 39,134,700.00
Southern California Edison Company Smart Grid Storage Demonstration Project	Deploy and evaluate an 8 MW utility-scale lithium-ion battery technology to improve grid performance and aid in the integration of wind generation into the electric supply.	Rosemead and Tehachas	\$ -	\$ -	\$ 1,000,000.00	\$ -	\$ 24,978,264.00	\$ 27,531,924.00
Southern California Edison Company Smart Grid Storage Demonstration Project	Demonstrate the commercial viability of Waukesha's novel fault current limiting superconducting transformer by installing, long-term performance testing, demonstrating and quantifying the benefits of Waukesha's 28 MVA Fault Current Limiting Superconducting Transformer on the Southern California Edison's MacArthur Substation.	Rosemead and Newport Beach	\$ -	\$ -	\$ 767,134.00	\$ -	\$ 10,336,000.00	\$ 10,303,060.00
SUBTOTAL SMART GRID PROJECTS			\$ -	\$ -	\$ 13,179,086.00	\$ -	\$ 426,664,455.00	\$ 806,450,841.00
B. Energy Efficiency and Renewable Energy Research Projects								
Applied Materials	Development of Advanced Manufacturing Process for LEDs	Sunnyvale	\$ -	\$ -	\$ 500,000.00	\$ -	\$ 3,993,911.00	
Edison Material Technology	Development of Very Dense Liquid Cooled Computer Platform	Palo Alto	\$ -	\$ -	\$ 250,000.00	\$ -	\$ 2,843,985.00	
Federspiels Controls	Demonstration of energy-efficient Cooling Scheme-Dynamic Data Center Cooling Control Communication Technology	Sacramento, San Francisco, Los Angeles	\$ -	\$ -	\$ 250,000.00	\$ -	\$ 548,078.00	
Portland Energy Conservation, Inc.	Curriculum for Commissioning Energy Efficiency Buildings	Folsom, Los Angeles, San Francisco	\$ -	\$ -	\$ 250,000.00	\$ -	\$ 750,000.00	
Potter Drilling, Inc.	Development of a Non-Contact Drilling Technology for Geothermal Wells	Redwood City	\$ -	\$ -	\$ 380,000.00	\$ -	\$ 5,000,000.00	
Ram Power	New River Geothermal Research Project	Imperial County	\$ -	\$ -	\$ 389,222.00	\$ -	\$ 5,000,000.00	
SeaMicro, Inc	SeaMicro Volume Server Power Reduction Research and Development	Santa Clara	\$ -	\$ -	\$ 250,000.00	\$ -	\$ 9,300,000.00	
Simbol Mining Corporation	Technologies for Extracting Valuable Metals and Compounds from Geothermal Fluids	Imperial County	\$ -	\$ -	\$ 380,000.00	\$ -	\$ 3,000,000.00	
SMUD	Smart Grid Pilot at Anatolia	Sacramento	\$ -	\$ -	\$ 500,000.00	\$ -	\$ 4,300,971.00	
SMUD	SMUD Community Renewable Energy Deployment	Sacramento	\$ -	\$ -	\$ 500,000.00	\$ -	\$ 5,000,000.00	
Soladigm, Inc.	Low-Cost, High-Energy-Saving, Solid State Dynamic Windows	Milpitas	\$ -	\$ -	\$ 400,000.00	\$ -	\$ 1,915,855.00	
Stanford University	Large-Scale Energy Reduction through Sensors, Feedback, & Information Technology	Palo Alto	\$ -	\$ -	\$ 500,000.00	\$ -	\$ 5,006,011.00	

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Project Description	Project Location (City or County)	ARRA Funding		Cost-Share Funding		Additional ARRA Funds Leveraged	Additional Public/Private Funds Leveraged	
		Energy Commission	Workforce Investment Act	PIER	ARFVT Program			
UC Davis	UC Davis West Village Energy Initiative	Davis	\$ -	\$ -	\$ 500,000.00	\$ -	\$ 2,500,000.00	
UC San Diego	High Solar PV Penetration Modeling	San Diego	\$ -	\$ -	\$ 500,000.00	\$ -	\$ 1,750,000.00	
SUBTOTAL ENERGY EFFICIENCY/RENEWABLE PROJECTS			\$ -	\$ -	\$ 5,549,222.00	\$ -	\$ 50,908,811.00	\$ -
TOTAL PUBLIC INTEREST ENERGY RESEARCH PROGRAM			\$ -	\$ -	\$ 18,728,308.00	\$ -	\$ 515,253,414.00	\$ 908,098,696.00
Alternative and Renewable Fuel and Vehicle Technology Program								
<i>A. Advanced Vehicle Electrification</i>								
Coulomb Technologies	No City Left Behind	San Francisco, Sacramento, Los Angeles	\$ -	\$ -	\$ -	\$ 3,417,000	\$ 3,354,000	\$ 508,000
Electric Transportation Engineering Corp. / Nissan	Nissan Electric Vehicle Demonstration and Vehicle Infrastructure Evaluation	San Diego	\$ -	\$ -	\$ -	\$ 8,000,000	\$ 39,350,127	\$ 32,572,007
Sacramento Municipal Utility District	Charging Infrastructure for Plug-In Hybrids and Electric Vehicle Demonstration with General Motors	Sacramento	\$ -	\$ -	\$ -	\$ 553,000	\$ 2,116,898	Not yet known
Sacramento Municipal Utility District	Charging Infrastructure for Plug-In Hybrids and Electric Vehicle Demonstration with Chrysler	Sacramento	\$ -	\$ -	\$ -	\$ 100,000	\$ 2,209,000	Not yet known
South Coast Air Quality Management District	PHEV Medium-Duty Commercial Fleet Demonstration and Evaluation	Southern CA Region	\$ -	\$ -	\$ -	\$ 5,000,000	\$ 27,994,490	\$ 20,102,652
SUBTOTAL ADVANCED VEHICLE ELECTRIFICATION			\$ -	\$ -	\$ -	\$ 17,070,000	\$ 75,024,515	\$ 53,182,659
<i>B. Clean Cities FY09 Petroleum Reduction Technologies Projects for the Transportation Sector</i>								
Department of General Services	The California Low Carbon Fuels Infrastructure Investment Initiative	75 locations throughout California	\$ -	\$ -	\$ -	\$ 4,000,000	\$ 6,917,000	\$ 16,260,371
San Bernardino Associated Governments	Ultra Low Emission LNG Local Goods Movement Truck Project	Southern CA Region	\$ -	\$ -	\$ -	\$ 9,308,000	\$ 9,950,708	\$ 17,062,737
South Coast Air Quality Management District	Heavy-Duty Natural Gas Drayage Trucks Replacement	Southern CA Region	\$ -	\$ -	\$ -	\$ 5,142,000	\$ 9,408,389	\$ 19,440,000
SUBTOTAL CLEAN CITIES/TRANSPORTATION			\$ -	\$ -	\$ -	\$ 18,450,000	\$ 26,276,097	\$ 52,763,108
<i>C. Advanced Research Projects - Energy (ARPA-E)</i>								
Envia Systems Inc.	High Energy Density Lithium Batteries	Hayward	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 4,000,000	\$ 329,000
SUBTOTAL ARPA-E			\$ -	\$ -	\$ -	\$ 1,000,000	\$ 4,000,000	\$ 329,000
TOTAL ALTERNATIVE AND RENEWABLE FUEL AND VEHICLE TECHNOLOGY PROGRAM			\$ -	\$ -	\$ -	\$ 36,520,000	\$ 105,300,612	\$ 106,274,767