

WRITTEN INFORMATION SUBMISSION
from
STATE ENERGY OFFICE,
STATE OF HAWAII DEPARTMENT OF BUSINESS,
ECONOMIC DEVELOPMENT & TOURISM
for
COMMITTEE ON APPROPRIATIONS
UNITED STATES SENATE
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The State Energy Office of the State of Hawaii Department of Business, Economic Development & Tourism appreciates the opportunity to submit to the Committee on Appropriations of the United States Senate the below information on Hawaii's plans for and status of expenditures of energy funding under the American Recovery and Reinvestment Act of 2009 (ARRA).

This submission and the Department's oral comments will cover only the energy formula grant portions of ARRA. Competitive energy grant opportunities will be covered by others before your Committee, including the U.S. Department of Energy

This submission is organized into the following sections:

- Section 1: Hawaii's Total Energy Formula Funding under the American Recovery and Reinvestment Act of 2009
- Section 2: Strategic Approach for Building the Expenditure Plan
- Section 3: Formula Funding Expenditure Project Plan and Status

Hawaii ARRA Energy Formula Grants Summary

1. Hawaii's Total Energy *Formula Funding* under American Recovery and Reinvestment Act of 2009 (ARRA)

Formula Energy ARRA Solicitations	Reference Number	HI Amount
Recovery Act – Energy Efficiency and Conservation Block Grants – Formula Grants	DE-FOA-0000013	\$15.07M to state & counties
Weatherization Formula Grants - Recovery Act	DE-FOA-0000051	\$4.04M
Recovery Act - State Energy Program	DE-FOA-0000052	\$25.93M
Enhancing State Government Energy Assurance Capabilities and Planning for Smart Grid Resiliency	DE-FOA-0000091	\$318K
State Electricity Regulators Assistance	DE-FOA-0000100	\$782K
State Energy Efficient Appliance Rebate Program	DE-FOA-0000119	\$1.236M
Total Formula Funding		\$47.38M

The purposes of ARRA energy funding are “[T]o preserve and create jobs and promote economic recovery; to assist those most impacted by the recession; to provide investments needed to increase economic efficiency by spurring technological advances in science and health; to invest in transportation, environmental protection, and other infrastructure that will provide long-term economic benefits; and, to stabilize State and local government budgets, in order to minimize and avoid reductions in essential services and counterproductive state and local tax increases.”

1.1. ARRA – Energy Efficiency and Conservation Block Grants (EECBG) (DE-FOA-0000013)

1.1.1. Purpose: The purpose of the EECBG program is to assist eligible entities in creating and implementing strategies to achieve the following:

- Reduce fossil fuel emissions in a manner that is environmentally sustainable and, to the maximum extent practicable, maximize benefits for local and regional communities;
- Reduce the total energy use of the eligible entities; and
- Improve energy efficiency in the building sector, the transportation sector, and other appropriate sectors.

1.1.2. Status: Unlike SEP, for which the DOE had 56 grants to award, the EECBG program has over 2000 grants to award. Hawaii's state and four county submissions have been received and are being reviewed by the DOE. No monies have been released; no date for release has yet been communicated.

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1.2. Weatherization Formula Grants - Recovery Act (DE-FOA-0000051)

- 1.2.1. Purpose: The Weatherization Assistance Program (WAP) objective is to increase the energy efficiency of dwellings owned or occupied by low-income persons, reduce their total residential expenditures, and improve their health and safety. The WAP priority population is persons who are particularly vulnerable such as the elderly, persons with disabilities, families with children, high residential energy users, and households with high-energy burdens.
- 1.2.2. Status: The Hawaii WAP was awarded to the 50% level on August 12, 2009.

1.3. ARRA – State Energy Program (DE-FOA-0000052)

- 1.3.1. Goals: The existing goals of the long-standing State Energy Program (SEP) are to:
- Increase energy efficiency to reduce energy costs and consumption for consumers, businesses and government;
 - Reduce reliance on imported energy;
 - Improve the reliability of electricity and fuel supply and the delivery of energy services; and
 - Reduce the impacts of energy production and use on the environment.
- The goals of the additional ARRA funds allocated to the SEP are to:
- Stimulate the creation or increased retention of jobs;
 - Save energy (kWH/therms/gallons/BTUs/etc.);
 - Increase energy generation from renewable sources; and
 - Reduce greenhouse gas emissions
- 1.3.2. Status: Hawaii's SEP initial proposal, consisting of the required list of projected activities, was submitted to the Department of Energy on March 20, 2009. The initial award of 10% of the projected Hawaii ARRA SEP amount was received on April 21, 2009. The state's Comprehensive Application was submitted May 23, 2009. 50% of the state's award was received on July 10, 2009.

1.4. Recovery Act - Enhancing State Government Energy Assurance Capabilities and Planning for Smart Grid Resiliency (DE-FOA-0000091)

- 1.4.1. Purpose: The following activities shall be addressed when structuring projects under this funding opportunity:
- Create in-house expertise at the State level on energy assurance planning and resiliency, focusing on Smart Grid.
 - Develop new, or refine existing, Energy Assurance Plans to incorporate response actions to new energy portfolios, including Smart Grid technologies.
 - Revise appropriate State policies, procedures and practices to reflect the Energy Assurance Plans.

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- Develop and initiate a process or mechanism for tracking the duration, response, restoration and recovery time of energy supply disruption events.
- Train appropriate personnel on energy infrastructure and supply systems and the content and execution of energy assurance plans.
- Conduct energy emergency exercises (intra and interstate) to evaluate the effectiveness of the energy assurance plans.

1.4.2. Status: Hawaii's Energy Assurance proposal was submitted to the Department of Energy on July 27, 2009. Award has been announced, but not yet received.

1.5. State Electricity Regulators Assistance Funding (DE-FOA-0000100)

1.5.1. Purpose: ARRA funding for electricity sector activities and initiatives will significantly affect utility investment in the electric power sector. State Public Utility Commissions will be involved in implementing key facets of ARRA electricity-related initiatives. To ensure that PUCs can meet the increased demands caused by the increased workload required to fully address the electricity sector initiatives included in the ARRA, DOE intends to make funding available to PUCs to hire additional staff so they can ensure appropriate technical expertise will be dedicated to regulatory activities pertaining to ARRA electricity-related initiatives.

The intent of the funds made available through the ARRA State Electricity Regulators Assistance Initiative is to supplement, not supplant, normal state appropriations for PUC staffing, expressly for the purpose of addressing the significant increase in PUC workload created by ARRA electricity-related initiatives.

1.5.2. Status: The SERAF Proposal is due August 31, 2009. The Public Utilities Commission (PUC) will be applying for this grant, and the State Energy Office is coordinating with the PUC.

1.6. Recovery Act - State Energy Efficient Appliance Rebate Program (DE-FOA-0000119)

1.6.1. Purpose: The Appliance Rebate Program Objectives are:

- Save energy by encouraging appliance replacement through consumer rebates
- Make rebates available to consumers
- Enhance existing rebate programs by leveraging ENERGY STAR national partner relationships and local program infrastructure
- Keep administrative costs low while adhering to monitoring and evaluation requirements
- Promote state and national tracking and accountability
- Use existing ENERGY STAR consumer education and outreach materials

1.6.2. Status: Hawaii's Energy STAR initial proposal was submitted to the Department of Energy on 31 Jul 09. The Comprehensive Application is due October 15, 2009. 10% award is expected September 30, 2009, with final award expected November 30, 2009.

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2. Strategic Approach for Building the Expenditure Plan

In January 2008, the State of Hawaii, in partnership with the U.S. Department of Energy (DOE), announced a historic initiative with the objective of achieving a fundamental transformation of the state's energy system. The Hawaii Clean Energy Initiative (HCEI) set the ambitious goal of moving Hawaii to 70% clean energy by 2030. The comprehensive thinking, analysis and planning to achieve this 70% clean energy objective preceded ARRA and has been underway for the last 20 months. The HCEI objective and related activities and projects provided the overarching policy and implementation framework for planning the expenditure of ARRA's energy funding. In turn, the ARRA energy funding has the potential to catalyze significant progress in many of the components of HCEI. Achieving this alignment required discussion among the HCEI partners and stakeholders.

Hawaii's ARRA funding expenditure plan was developed after broad consultation to ensure that it supplemented HCEI and other related initiatives already underway.

Specific attention was paid to the DOE's and national laboratories' annual operating plans to ensure that the state's spending plan complemented but did not duplicate intended federal expenditures. Beginning in February and continuing through July 2009, meetings were held with energy sector stakeholders to request input on priorities and to build awareness of the spending plans. The plan also received input and guidance from HCEI Working Groups' recommendations and from HCEI partner projects. Potential technical support from the national laboratories was also factored in.

Central to this planning effort was focus on augmenting programs and processes already in place in order to speed deployment of the funds into the market. In April, meeting of Hawaii's key energy community members and agencies which are funding energy projects was held to construct a "landscape" of existing initiatives into which ARRA funding could be deployed. Briefings were provided by the Department of Defense, the University of Hawaii, the Pacific International Center for High Technology Research, electric and gas utilities, and state agencies such as the Department of Accounting and General Services and the Department of Hawaiian Home Lands, among others. The existing goals and budgets of these agencies were taken into consideration when drafting the ARRA plan in order to avoid redundant efforts.

The objective has been to create a plan which integrated multiple Hawaii energy sectors, each of which has multiple formula funding sources. Planning and analysis focused on identifying opportunities to enhance projects which fit Hawaii's strategic plan, which have a sound basis and rationale, and which can be implemented quickly to obtain measurable results. The complexity of Hawaii's energy system and programs makes a comprehensive effort challenging, but a thoughtful and inclusive approach, such as what was undertaken in developing this plan, is essential to its success.

The initial SEP submission, in March 2009, was approved by Governor Lingle, as was the final SEP submission in May. The SEP allows some flexibility to reallocate funding under certain circumstances.

Hawaii ARRA Energy Formula Grants Summary

3. Formula Funding Project Expenditure Plan and Status

Formula Funding Project Spending Plan Summary	
Efficiency Programs	\$27,652,685
Renewable Programs	\$6,650,000
Transportation Programs	\$4,250,000
Energy Assurance Programs	\$1,100,000

3.1. Energy Efficiency

3.1.1. A total of **\$6,500,000 of ARRA SEP funding** will be allocated to a Government and Residential Efficiency Program (GREP) that targets energy efficiency retrofits for state, county, and residential buildings. This includes upgrading energy efficiency measures such as lighting, solar water heating, and metering devices to inform occupants of their energy consumption on an instantaneous basis. Of this \$6,500,000, \$6,200,000 is allocated to the new Public Benefits Fund Administrator (PBFA) Hawaii Energy Efficiency Program (HEEP) programs for Honolulu, Hawaii, and Maui counties, and \$300,000 is allocated to the Kauai Island Utility Cooperative (KIUC) for the county of Kauai. Specific breakdown as follows:

3.1.1.1. **\$762,500 of ARRA SEP funding** will be allocated for the Commercial and Industrial Customized Rebate (CICR) program of the HEEP, a flexible program appropriate for the government (state and county) portion of this ARRA SEP funding. This program objective is to provide rebates for bundled technologies customized for specific customer needs. The customized approach also will allow rebates for technologies not on the standard list (such as efficient air conditioning equipment) of technologies. This funding will “buy-down” a portion of costs for government and create jobs in the construction and remodeling trade sectors. Importantly, the ARRA SEP amount will be matched by approximately \$2.2 million non-federal funds from the PBFA.

CICR – Non-Profit & Government Direct Install Lighting Program
Project Description
Direct Install of Office Lighting Retrofits to Government Organizations
1. Retrofit of up to 15 Fixtures with Low-Wattage T8s & High Performance ballasts per project
2. Installation of 2 LED Exit Signs
RFP will be issued to Trade Allies to find and install equipment to qualify participants. Media announcements will be made to find qualified participants.

Energy Savings		
kW	kWh	
346	1,642,323	First Year
	30,600,881	Life of the measure

Cost Savings		
\$	0.19 / kWh	Per Electrical Unit Cost (July 2009)
\$	313,684	Annual Energy Cost Savings
\$	5,844,768	Lifecycle Energy Cost Savings

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Cost Effectiveness	
\$ 0.3714	\$ / kWh First Year Saved
29,930,665	BTU Saved / \$1K Spent (>10 Mil.)
\$ 610,000	Purchases Motivated
\$ 0.0278	\$ / kWh Life of Measures
76,474,826	Life of Measures BTU Saved / \$1K Spent (>10 Mil.)

Budget	
\$ 762,500	ARRA SEP Funding
\$ 87,143	Hawaii Energy Efficiency Program Incentive Expenditure
<u>\$ 2,100,000</u>	Hawaii Energy Efficiency Program Match
\$ 2,949,643	Total Program Spend

Employment	
9.2	FTE Jobs Created
	1 job per 92K ARRA funding per DOE job creation formula

3.1.1.2. **\$5,437,500 ARRA SEP funding** allocated to the Energy Solutions for HEEP’s Home (ESH) program, targeted at the residential sector. Its purpose is to encourage residential customers to reduce their home electricity consumption by increasing efficiency through audits, equipment tune ups and the replacement of older, less efficient appliances with more energy efficient models, including ENERGY STAR® rated lighting, cooling and other appliances. This program will directly reduce energy costs for consumers.

REWH - Residential Solar Water Heater Revolving Fund Low Interest Loan
Project Description
Zero down, \$58 per Month, 48 Month Loans for Solar Water heaters
1. Family Sizes of 4 or more
2. 90% (\$4,095) of Federal and State Tax Refund used as Payback Balloon Payment at 12th Month.
3. During delivery, install Energy Savings package of water and lighting efficiency devices
4. 1.5% Interest to cover Bank Administration Cost
5. \$7,000 average System cost; 550 solar water systems installed via initial funding; 3,918 solar water systems over life of the program
6. Initial loans by PBFA will total \$3,850,000; with expected (10%) defaulted loans, expect to be able to loan out \$27,400,000 over life of program

ESH - Residential Home Usage Monitoring Systems
Project Description
1. Direct Install Home Usage Wireless Monitors
2. Statistically selected homes in Hawaii
3. Installation of Energy Savings package of 5 CFLs, 1 LED, 2 Showerheads, 3 Aerators

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Energy Savings		
kW	kWh	
437	2,761,695	First Year
2,331	85,576,136	Measure Lifecycle Savings

3.1.1.3. **\$300,000 of ARRA SEP funding** is allocated to KIUC for customer energy efficiency rebate programs for the County of Kauai for government and residential programs on Kauai. This expenditure is expected to have an equivalent impact as funding expended via the PBFA in 3.1.1.2 and 3.1.1.3.

Using existing programs speeds the time of getting funding into the marketplace and communities, and leverages the contract and infrastructure already in place for managing these programs. The Demand Side Management programs are well structured to process SEP funding for efficiency programs; the PUC is very supportive and is amending its contract with the PBFA/SAIC to incorporate ARRA funds for energy efficiency improvements, and supports using the KIUC DSM Program. The PBFA/SAIC also is enthusiastic in implementing these programs. These funds will meet the objectives of ARRA of reducing energy consumption for government, businesses, and residents, as well as creating jobs, especially via CICR.

3.1.2. **\$3,800,000 of Weatherization Assistance Program (WAP) funding** will be combined with **\$500,000 of ARRA SEP funding** and approximately \$250,000 of PBFA funding to “weatherize” low income homes. The State Energy Office has worked with the WAP under the State Department of Labor and Industrial Relations (DLIR) Office of Community Services (OCS) to collaborate with the PUC and Hawaii Energy Efficiency Program to use their current contract with non-profits to install solar water heaters and compact fluorescent lights (CFLs), alongside the audit program conducted by the Hawaii Energy Efficiency Program. OCS’s original contract and program included only Solar Water Heaters and CFLs; the DOE asked for additional measures. HEEP is contributing audits in conjunction with OCS measures, and OCS requested additional support from State Energy Office. Of the list of appliance replacements recommended by DOE, the State Energy Office has recommended OCS focus on Energy Star refrigerators coupled with a mandatory refrigerator disposal program, for simplicity and impact to household energy consumption. This program is expected to “weatherize” a minimum of 750 low income homes. According to OCS, 37% of Hawaii homes are eligible for this benefit, with over 35% average electricity bill savings per household expected.

Hawaii Joint Weatherization Program
Project Description 750 low income homes will receive: <ol style="list-style-type: none"> 1. Solar Water Heater (funded by WAP) 2. Residential lighting efficiency measures (funded by WAP) 3. Residential appliances (funded by SEP) 4. Audit and 1 year verification monitoring (funded by PBFA)

Hawaii ARRA Energy Formula Grants Summary

3.1.3. **\$200,000 of ARRA SEP funding** to co-invest in the Waikiki Sea Water Air Conditioning project startup. The start-up phase will focus on Waikiki and will expedite implementation, attract financing, and provide specific information for high efficiency/renewable energy application of sea water air conditioning for Waikiki hotels, the Hawaii Convention Center, and other nearby appropriate facilities. These funds will be 'matched' by an expected \$400,000 of private and other federal funding. Funding this start-up will accelerate this project moving from concept to construction.

3.1.4. **\$742,000 ARRA SEP funding** allocated to energy efficiency assistance for local businesses, including in the hotel sector. This program will "buy-down" the up-front costs of local businesses and hotels making decisions on the energy efficient investments. Through contracts with local energy engineering firms, the State Energy Office will provide technical assistance and information on Energy Star, LEED, or general energy efficient practices and equipment. Break-down of this amount is as follows:

3.1.4.1. **\$75,000 of ARRA SEP funding** allocated to the Hospitality Energy Star Program to certify and verify Hawaii hotels as Energy Star. This will provide technical assistance to hotels in response to the request of hotel engineers and managers needing guidance to reach Energy Star label, certification and verification as needed; and provided financing information and assistance to drive energy efficiency into the hospitality sector. The Energy Star designation is well-recognized and highlights those hotels conservation measures and provides a competitive impetus for those that have not. Many hotels lack the staffing and expertise to assess energy performance of their properties. Buildings that are certified Energy Star are in the upper 25% nationwide of buildings of similar type. Currently, there are seven hotels with Energy Star awards and nine have participated in the State Energy Office's Green Business Program to incorporate green business practices such as energy efficiency and recycling. These hotels typically save 10-40% on energy use and 20% on water use. Energy Star is a step up from our Green Business Program and requires meeting a national standard on energy efficiency for hotels.

Hawaii Hospitality Energy Star
12 Hotels projected to achieve Energy Star status: 2 million square feet of floor space rated Energy Star (top 25% in country) 1. 10-40% reduction in energy consumption 2. 20% reduction in water consumption

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- 3.1.4.2. **\$367,000 of ARRA SEP funding** allocated to technical assistance for government and businesses. As with the above technical assistance for the Hospitality Energy Star Program described above, this effort will provide technical assistance and training to state and county agencies, nonprofits, and businesses to meet Energy Star Standards to accelerate adoption. Additionally, this effort will include technical assistance and training to building code officials to expedite the adoption of the updated building code, IECC 2009, which we are targeting for 30% above IECC 2006 which was recently adopted by the State Building Code Council. Technical assistance also may be provided to complement GREP and the Hospitality Energy Star Program.

Hawaii Energy Efficiency Technical Assistance

Goal of reaching 30% above IECC 2006 standards over the next 2 years:
15 new construction buildings
15 major renovations
3 million square feet of floor space

- 3.1.4.3. **\$300,000 of ARRA SEP funding** allocated to training and adoption of LEED Standards program, including LEED training for state employees and design professionals, green building technical assistance of state and other projects, data collection and analysis, and case studies development. This program will help accelerate adoption of LEED green building standards. As a result of our conducting training and technical assistance, there are now over 20 LEED Accredited Professionals who have taken the LEED exam, passed, and been credentialed. Previous to our providing training, there was only one state employee who was a LEED Accredited Professional. There are now over 770 LEED APs in Hawaii and 147 LEED registered projects; prior to our providing training to design professionals throughout the state there were only about 50 LEED APs and about 16 LEED registered projects. Therefore, more personnel are knowledgeable in implementing LEED buildings which can be as much as 30% more efficient than buildings not designed to LEED. The estimated outcome of this project will be increasing the number of LEED Accredited Professional to 1500 and 300 LEED registered projects, which will be 30% more energy efficient than today's energy code projects.

LEED Standards Training Program

Goal of training next generation of architects and engineers for meeting HLS 2009 Act
155 Energy Efficiency Portfolio Standard:
1500 LEED Accredited Professionals
400 LEED registered projects

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- 3.1.5. **\$3,000,000 of ARRA Block Grant funding** allocated to the State of Hawaii Department of Hawaiian Home Lands will implement the "Homestead Energy Program." DHHL anticipates partnering with a community development non-profit that is experienced in assisting DHHL homestead communities. The project will cover 400 homes and will be conducted over a period of 18 months consisting of: Conducting home energy audits and assessments; delivering energy efficiency and conservation education/training; and retrofitting/installing homes with solar water heating systems and CFLs.

EECBG Homestead Energy Program
400 Homestead Homes, each with:
-- Home energy audits
-- Solar Water Heaters
-- CFLs
-- Energy Efficiency and conservation education and training

- 3.1.6. **\$3,000,000 of ARRA Block Grant funding** allocated to the State Department of Accounting and General Services' 10-building, one-million square foot performance contract which is estimated to cost about \$35M to make energy efficiency improvements. The project is designed to increase energy efficiency and building performance, accelerate reducing life cycle costs of operations, improve indoor environmental quality for occupants, address the deferred repair and maintenance backlog of projects, and leverage available annual cash flow from energy savings. The overall project will save about \$73,000,000 over the next 20 years.

EECBG DAGS Performance Contract Augmentation
Funding for \$3M of a \$35M project:
10 buildings
1 million square feet
Over 30% energy savings
\$73,000,000 savings over 20 years

- 3.1.7. **\$3,000,000 of ARRA Block Grant funding** allocated to the Commercial and Industrial Customized Rebate (CICR) program of the HEEP, a flexible program appropriate for the government (state and county) and nonprofit building portion of this Block Grant funding. This program objective is to provide grants for bundled technologies customized for specific customer needs. The customized approach also will allow rebates for technologies not on the standard list (such as efficient air conditioning equipment) of technologies. This funding will reduce costs for non-profits and government agencies and create jobs in the construction and remodeling trade sectors. This ARRA Block Grant funds will also support the City and County of Honolulu, the County of Maui, and the County of Hawaii.

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3.1.8. **\$200,000 of ARRA Block Grant funding** allocated to KIUC through DBEDT to offer the customer energy efficiency rebate programs for the County of Kauai for government and nonprofit buildings on Kauai. These funds are in addition to the \$300,000 KIUC customer energy efficiency project listed in 3.1.1.3, but are included in the negotiations with KIUC and the PUC, and will be added to the project when available.

3.1.9. **\$1,235,985 of the ARRA Energy Star Program funding** allocated to the State Energy Efficient Appliance Rebate Program (**SEEARP**) supporting GREP (see 3.1.1) for Honolulu, Maui, and Hawaii Counties (Kauai is supported by 3.1.8 above). Under GREP, this program will focus on swapping out inefficient home refrigerators (which represent about 14% of residential consumption) and replacing them with high efficiency Energy Star refrigerators. Since many homes have two inefficient refrigerators, our program will offer two for one: customers will turn in both refrigerators for a rebate to purchase an Energy Star refrigerator. Our program will include mandatory recycling so the old refrigerators may not be reused. A home efficiency package of water conservation devices and compact fluorescents will be included. A second major program will include installing two Energy Star ceiling fans in exchange for old air conditioning units. A home efficiency package will be included. Mandatory recycling will also be part of the program.

The Initial Grant Application was submitted online by DBEDT on July 31, 2009, to the USDOE via the Idaho Energy Office. The Comprehensive Application is due on October 15, 2009.

State Energy Efficient Appliance Rebate Program (SEEARP)
\$1,235,985
11.5 million kilowatt hours expected savings annually
106.6 million kilowatt hours over life of project
\$21.3M savings to consumers estimated over the life of the measures
9 jobs created or retained

3.1.10. **\$5,474,700 in County Block Grant Funding (\$737,800 for Hawaii County, \$3,863,700 for Honolulu County, \$267,900 for Kauai County, \$605,300 for Maui County) of ARRA Block Grant funding** will be provided directly to counties for energy efficiency and renewable energy projects in accordance with individual county needs and their individual applications subject to approval by the Department of Energy.

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3.2. Renewable Energy

3.2.1. **\$4,740,000 of ARRA SEP funding** will be used to support the development of an inter-island undersea cable to interconnect the island of Oahu with one or more islands in the County of Maui. This project will require a significant amount of initial investment in the form of studies, data collection, analysis, and outreach, as well as staff with knowledge in permitting, transmission, project management, contracting, and grants. Break-down of contracted amounts is as follows:

3.2.1.1. The Undersea Cable Support - Special Attorney General Contract will aid DBEDT in the development of the interisland cable by advising DBEDT on legal, regulatory, business, financing, and strategic decisions. This funding will reduce risk for the state and consumer, and shorten the timeline for getting the undersea cable in place. **ARRA SEP funding of \$200,000** are allocated for this contract.

Cable Special Attorney General
Reduces legal risk for state and consumer in structuring cable contract Reduce timeline for implementing cable plan of action

3.2.1.2. The Subject Matter Expert Contract will aid DBEDT in the development of the interisland cable by advising DBEDT in financing and procurement issues for the project and providing advice based on experience in development of undersea power transmission cables. This funding will reduce risk for the state and consumer, and shorten the timeline for getting the undersea cable in place. **ARRA SEP funding of \$500,000** are allocated for this contract.

Cable Subject Matter Expert
Reduces technical and contractual risk for state and consumer in structuring cable contract and funding Reduce timeline for implementing cable plan of action

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- 3.2.1.3. The Request for Information (RFI) Contract will enable DBEDT and the Hawaiian Electric Company (HECO) to collect information regarding the financing and development of the interisland cable via a cable developers' conference. The results of the RFI will be used in the Request for Proposal (RFP) for the interisland cable. This will directly reduce ambiguity and cost for the cable. **ARRA SEP funding of \$50,000** are allocated for this contract.

Request For Information
Reduces ambiguity for Request For Proposal Reduces cost and time to construction of cable

- 3.2.1.4. Request for Proposal (RFP) Contract: DBEDT/HECO will develop the financial, technical, regulatory, and environmental requirements for the interisland cable. **ARRA SEP funding of \$500,000** are allocated for this contract.

Request For Proposal
Ensures legal, procurement, and technical requirements met in RFP solicitation Reduces risk in solicitation

- 3.2.1.5. The Environmental Impact Statement (EIS) Contract will perform required environmental, cultural, and biological studies required for the development of the EIS for the interisland cable and the required grid upgrades on Oahu; support the drafting of required environmental assessment components; host stakeholder meetings on Molokai, Lanai, Maui, and Oahu. This will directly shorten the critical path for the deployment of the undersea cable. **ARRA SEP funding of \$3,690,000** are allocated for this contract.

Environmental Impact Study
Directly works critical path issues while cable procurement process proceeds Leverages state policy position for permitting and EIS analysis

- 3.2.2. To meet at least 40% of Hawaii's energy needs with renewable sources (solar, wind, wave, OTEC, geothermal, hydropower, and bioenergy) by 2030, multiple successful projects -- properly sited, cost-effective, effectively permitted and interconnected -- will be needed. For projects to be successful, project developers, decision-makers, regulators, landowners, the media, and the public need access to credible, timely, up-to-date information on Hawaii's resources, barriers, requirements, technologies, expertise, successes, failures, and opportunities.

- 3.2.2.1. **\$375,000 or ARRA SEP funding** for an Online Permitting Systems, contracted with a local professional services provider to develop a coordinated, secure, on-line permitting portal for renewable energy projects. Successful examples exist in other states. Tasks include working with agencies in Federal, State and County government; developing front end and back end infrastructure; testing and implementation. This will provide a simple, easy to understand point of entry for renewable energy project

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developers, and shorten and simplify the permitting process for projects. Portal will provide an automated process for permit selection and coordination.

Online Permitting Portal
Provides automated permit selection and coordination
Simplifies and provides transparency for permitting process for renewables

- 3.2.2.2. **\$200,000 of ARRA SEP funding** allocated for initial funding of the Expedited Permitting Account to support the coordinated permitting process prior to the collection of developer fees. The funds will be used to cover up-front costs for expediting permitting projects including performing required engineering studies, data collection, and site assessments.

Renewable Energy Facilitator Act 207 Initial Funding
Provides initial funding for Act 207 processes
Reduces timeline for initial large renewable processes

- 3.2.2.3. **\$1,135,000 of ARRA SEP funding** will be allocated to renewable energy project funding to accelerate the development of renewable energy projects by: 1) providing funding to “tip” renewable energy projects currently in the pipeline toward accelerated completion; and 2) documenting the projects, to provide information, guidance, and success stories to other project developers and the public.

Renewable Energy Project Funding
Direct acceleration of 3-4 renewable energy projects

3.3. Transportation Energy

Transportation Energy Diversification Program

Long Term Objective: 40% renewable energy by 2030

2012 Objective: at least 650 vehicles and charge stations in use; statewide non-petroleum refueling and recharging networks established; several makes and models of non-gasoline vehicles available

Foundation firmly established for non-petroleum vehicles and fuels

57 jobs created or retained directly through ARRA funding (per DOE job creation formula)

- 3.3.1. **\$3,750,000 of ARRA SEP funding** allocated to transportation energy diversification program to work with government and industry partners to develop a plan for rapid transformation of the energy demands of Hawaii's transportation sector. Grants will be provided to early adopters of commercially available technologies, including vehicles and infrastructure. Act 156 of the 2009 Legislature authorizes such a grant program. Result: 625 vehicle grants (\$5,000 per grant) and chargers (estimated \$1,000 cost per charger) funded. This allocation between grants and charging stations may be adjusted based on the needs of the market in this highly dynamic time for electric and other advanced technology vehicles.
- 3.3.2. **\$500,000 of ARRA SEP funding** allocated to alternative fuel vehicle and state infrastructure project will support State infrastructure and vehicle fleet demonstrations and transformation, providing funds for vehicles and infrastructure. Result: 25 vehicles (with \$19,000 per vehicle) and 25 charge stations (at an estimated \$1,000 per charging station) for the state.

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3.4. Energy Assurance

Energy Assurance Formula Grants
\$1,100,000
Supplements not Supplants current State Energy Office and Public Utility Commission work
Increase expertise in regulatory and energy assurance issues related to Smart Grid
Provides for increased training and staff capability with new technology

3.4.1. **\$782,000 provided under State Electricity Regulators Assistance Funding (SERAF)** will improve the State Public Utility Commission's (PUC's) ability to gain the expertise required to handle increasingly complex issues associated with Smart Grid technology and the associated regulatory issues. The SERAF program aims to ensure that PUCs can meet the increased demands caused by the increased workloads through the hiring of additional staff. This goes to ensure appropriate technical expertise will be dedicated to regulatory activities pertaining to Recovery Act electricity-related initiatives. The Hawaii PUC will be applying for this grant by the August 31, 2009 due date.

3.4.2. **\$318,000 provided under Enhancing State Government Energy Assurance Capabilities and Planning for Smart Grid Resiliency Grant** will create expertise at the State level on energy assurance planning and resiliency, focusing on Smart Grid; support development of energy assurance planning and plans; train personnel on execution of energy assurance plans; and fund energy emergency exercises to evaluate the effectiveness of the energy assurance plans. Hawaii's Energy Assurance proposal was submitted on July 27, 2009. The awards have been announced, but not yet received.

Hawaii ARRA Energy Formula Grants Summary

3.5. Projected Timeline

Week of 9 March

1. Solicitation opens for ARRA SEP Grant (DE-FOA-0000052) applications on March 12, 2009. State of Hawaii allotted \$25,930,000.

Week of 16 March

1. DBEDT-SID submits Initial Application for ARRA SEP Grant (DE-FOA-0000052) online on March 20, 2009.

Week of 23 March

1. Solicitation opens for ARRA Block (Energy Efficiency & Conservation Block Grant) on March 26, 2009. State of Hawaii allotted \$9,593,500.00.

Week of 20 April

1. State of Hawaii receives 10 percent of its ARRA SEP grant (\$2,593,000) on April 21, 2009. ARRA SEP funds will be disburse in steps. This allotment funded administrative costs only.

Week of 18 May

1. DBEDT-SID submits online the Comprehensive Application for ARRA SEP Grant (DE-FOA-0000052) on May 23, 2009.

Week of 25 May

1. GREP: Develop project concepts (3.1.1)
2. CICR: Begin discussions with SAIC/HEEP on commercial and industrial customized rebate program for installation of non-standard energy efficiency technologies (3.1.1.1)
3. ESH: Begin discussions with SAIC/HEEP on energy solutions for the home program to encourage residential customers to reduce electricity consumption (3.1.1.2)
4. Hospitality ENERGY STAR: Narrow scope to possible projects (3.1.4.1)
5. Gov, Business, NP ES & Code Adoption: Determine possible scope (3.1.4.2)
6. Training & Adoption of LEED: Develop project concepts (3.1.4.3)
7. DHHL: Continue discussions on possible projects, funding (3.1.5)
8. DAGS: Continue discussions on possible projects, funding (3.1.6)
9. DBEDT Block: Begin preliminary discussion on scope, possible projects and partners (3.1.7)
10. CABLE EIS : Met with NOAA and MMS to discuss federal permitting requirements for the Interisland Cable (3.2.1.5)

Week of 1 June

1. KIUC: Inquire about possible projects (3.1.1.3 and 3.1.8)
2. HSWAC: Determine project scenarios and partners (3.1.3)
3. Hospitality ENERGY STAR: Identify federal requirements (3.1.4.1)
4. Gov, Business, NP ES & Code Adoption: Identify federal requirements (3.1.4.2)
5. DHHL: Identify federal requirements, evolve project concepts (3.1.5)

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6. DAGS: Identify federal requirements; develop project concepts (3.1.6)
7. DBEDT Block: Review federal requirements (3.1.7)

Week of 8 June

1. GREP: Contact possible partners; discuss possible projects (3.1.1)
2. CICR: Continue discussions with SAIC/HEEP on rebate program for commercial and industrial customized installation of non-standard energy efficiency technologies (3.1.1.1)
3. KIUC: Develop project concepts (3.1.1.3 and 3.1.8)
4. WAP: Attend organizational meeting with OCS; discuss WAP grant requirements and ways DBEDT SID can assist (3.1.2)
5. Hospitality ENERGY STAR: Determine project partners and concepts (3.1.4.1)
6. Gov, Business, NP ES & Code Adoption: Identify stakeholders, partners and projects (3.1.4.2)
7. Training & Adoption of LEED: Identify project partners; focus scope (3.1.4.3)
8. DHHL: Focus project proposals and deliverables (3.1.5)
9. DAGS: Focus project proposals and deliverables (3.1.6)
10. DBEDT Block: Focus on viable projects and partners (3.1.7)
11. CABLE EIS: Meet with MMS, Army Corps, NOAA (3.2.1.5)

Week of 15 June

1. GREP: Identify stakeholders; expand strategic planning (3.1.1)
2. ESH: Continue discussions with SAIC/HEEP on energy solutions for the home program to encourage residential customers to reduce electricity consumption (3.1.1.2)
3. KIUC: Determine project requirements and federal reporting (3.1.1.3 and 3.1.8)
4. WAP: Continue to refine project concepts with OCS (3.1.2)
5. HSWAC: Determine project scope and focus on realistic goals (3.1.3)
6. Hospitality ENERGY STAR: Focus scope on identifying hotels that most likely will qualify for ENERGY STAR award (3.1.4.1)
7. Gov, Business, NP ES & Code Adoption: Begin preliminary draft of RFP (3.1.4.2)
8. DHHL: Finalize project proposals (3.1.5)
9. DAGS: Finalize project proposals (3.1.6)
10. DBEDT Block: Expand possible sub-recipient scenarios (3.1.7)

Week of 22 June

1. DBEDT-SID submits online the application for the ARRA Block Grant (EECBG) on June 25, 2009.
2. GREP: Continue to discuss wide range of projects for government, non-profits, and residential sectors (3.1.1)
3. KIUC: Begin discussing proposals with Randy Hee, KIUC Pres/CEO (3.1.1.3 and 3.1.8)
4. WAP: Assist OCS in focusing scope on energy efficiency and “big bang” items (3.1.2)
5. HSWAC: Begin preliminary draft of RFP (3.1.3)
6. Hospitality ENERGY STAR: Begin developing draft RFP (3.1.4.1)
7. Training & Adoption of LEED: Begin draft of RFP (3.1.4.3)
8. DHHL: Submit proposals to USDOE in EECBG application (3.1.5)
9. DAGS: Submit proposals to USDOE in EECBG application (3.1.6)

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Week of 29 June

1. GREP: Identify federal requirements (3.1.1)
2. ESH: Focus scope on energy solutions for the home program (3.1.1.2)
3. WAP: Discuss with OCS and PUC project plans (3.1.2)
4. Hospitality ENERGY STAR: Continue to evolve draft RFP (3.1.4.1)
5. DHHL: Prepare draft MOA (3.1.5)
6. DAGS: Prepare draft MOA (3.1.6)
7. DBEDT Block: Further discussions on expanded sub-recipient scenarios (3.1.7)

Week of 6 July

1. On July 10, 2009, USDOE informs us that Hawaii's ARRA SEP proposal was approved as amended. Hawaii received 40 percent more funding (\$10,372,000), bringing the total amount to 50 percent (\$12,965,000).
2. GREP: Begin developing RFP (3.1.1)
3. CICR: Focus scope with SAIC/HEEP on rebate program for commercial and industrial customized installation of non-standard energy efficiency technologies (3.1.1.1)
4. Gov, Business, NP ES & Code Adoption: Continue to develop draft RFP (3.1.4.2)
5. CABLE RFI : Develop RFI contract with HECO for the cable developers conference (3.2.1.3)

Week of 13 July

1. HSWAC: Continue work on RFP (3.1.3)
2. Training & Adoption of LEED: Continue to evolve RFP (3.1.4.3)
3. DHHL: Continue to work on draft MOA (3.1.5)
4. DAGS: Continue preparation of draft MOA (3.1.6)
5. SEEARP: State Energy Efficient Appliance Rebate Program (SEEARP) formula grant FOA announced on July 14, 2009. \$1,235,985 allotted to State of Hawaii. SID begins work on the Initial Application, due on August 15, 2009. (3.1.9)
6. CABLE: Form selection committee for SDAG contract (3.2.1.1)
7. CABLE RFI : RFI contract for cable developers conference sent to DBEDT ASO (3.2.1.3)

Week of 20 July

1. ESH: Identify federal mandates with SAIC/HEEP on energy solutions for the home program to encourage residential customers to reduce electricity consumption (3.1.1.2)
2. Design discussions with OCS and PUC for Weatherization program (3.1.2)
3. SEEARP: Finalize partners and Initial Application. Oahu, Maui and Big Island counties targeted for projects in support of GREP (3.1.1). (3.1.9)
4. CABLE SDAG: Selected SDAG for the cable project – Cliff Higa from Kobayashi Sugita and Goda – Begin contract negotiations (3.2.1.1)

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Week of 27 July

1. GREP: Discussions with the PUC and SAIC on program measures and procedures required to transfer funds for use of ARRA funds for government, nonprofits, and residential – completed (3.1.1)
2. ESH: Develop project concepts with SAIC/HEEP on energy solutions for the home program to encourage residential customers to reduce electricity consumption (3.1.1.2)
3. WAP: Meeting with SAIC, PUC, OCS, HSEO, and CAPs to form working group – completed (3.1.2)
4. DBEDT Block: Discuss project potentials and procedures (3.1.7)
5. SEEARP: Submit Initial Application Idaho Energy Office on July 31, 2009. (3.1.9)
6. CABLE RFI: RFI contract for cable developers conference sent to SPO for sole source advertisement (3.2.1.3)

Week of 3 August

1. GREP: Prepare draft MOA for PUC and PBFA/SAIC review. Negotiate MOA with SAIC/PBFA and option of funding programs through PBFA (3.1.1)
2. CICR: Identify federal mandates with SAIC/HEEP on rebate program for commercial and industrial customized installation of non-standard energy efficiency technologies (3.1.1.1)
3. KIUC: Discuss GREP with KIUC (Randy Hee, President/CEO) –completed (3.1.1.3 and 3.1.8)
4. Prepare draft MOA for OCS (3.1.2)
5. HSWAC: Review draft RFP; update for ARRA terms and conditions and reporting (3.1.3)
6. HSWAC: Review draft RFP with COS; incorporate ARRA terms, conditions and reporting (3.1.3)
7. DHHL: Revise draft MOA (3.1.5)
8. DAGS: Continue draft MOA for DAGS (3.1.6)
9. DBEDT Block: Begin preliminary draft MOA for SAIC (3.1.7)
10. CABLE RFI : RFI contract for cable developers conference sent to SPO for advertisement of sole source justification of using HECO (3.2.1.3)

Week of 10 August

1. GREP: PUC/PBFA review MOA (3.1.1)
2. ESH: Discuss proposals with SAIC/HEEP on energy solutions for the home program to encourage residential customers to reduce electricity consumption (3.1.1.2)
3. HSWAC: Complete draft RFP; evaluation committee proposal, evaluation forms and route for final review (3.1.3)
4. Hospitality ENERGY STAR: Draft RFP, pending receipt of ARRA RFP template with State of Hawaii, Federal and ARRA reporting requirements (3.1.4.1)
5. Gov, Business, NP ES & Code Adoption: Complete draft RFP, evaluation committee proposal, evaluation forms and route for final review (3.1.4.2)
6. DHHL: Review MOA (3.1.5)
7. DAGS: DAGS Review MOA (3.1.6)
8. SEEARP: Continue to work with Oahu, Maui and Big Island counties on prospective projects in support of GREP (3.1.1). Prepare Comprehensive Application. (3.1.9)
9. CABLE: SDAG Finalize contract terms, begin work on determining regulatory and financing issues relative to the development of the Interisland Cable (3.2.1.1)

Hawaii ARRA Energy Formula Grants Summary

10. CABLE SME: Develop selection committee for the SME contract (3.2.1.2)
11. CABLE EIS: Develop selection committee for the EIS RFP (3.2.1.5)
12. Online Permitting: Meet with Department of Health (DOH) to determine requirements for RFP and form selection committee (3.2.2.1)
13. Transportation: Update vehicle purchase guidelines. Meet with State agency transportation energy lead by example group (3.3.2)

Week of 17 August

1. GREP: Execute MOA with PUC; PUC initiate contract amendment with SAIC (3.1.1)
2. CICR: Discuss proposals with SAIC/HEEP. Receive SAIC/HEEP form for this program (3.1.1.1)
3. KIUC: Receive draft proposal from KIUC (3.1.1.3 and 3.1.8)
 - a. Request to SPO to get an exemption to 103D (Form 7) for a contract to KIUC for GREP programs (depends on receipt of KIUC proposal);
 - b. Complete draft contract for KIUC and forward draft contract for KIUC review.
4. WAP: Receive draft OCS MOA from OCS and revise as appropriate. Send to DBEDT ASO/C with AG review (3.1.2)
5. HSWAC: Complete final draft of RFP, appointment of evaluation committee with evaluation form; meeting of evaluation committee to review RFP and evaluation criteria (3.1.3)
6. Hospitality ENERGY STAR: Establish proposal review committee and review the proposal evaluation form with ASO's review and approval. Finalize RFP (3.1.4.1)
7. Gov, Business, NP ES & Code Adoption: Complete final draft of RFP, appointment of evaluation committee with evaluation form; meeting of evaluation committee to review RFP and evaluation criteria (3.1.4.2)
8. DHHL: Receive draft MOA from DHHL and revise as appropriate; send to DBEDT ASO/C and AG for review (3.1.5)
9. DAGS: Receive draft MOA from DAGS and revise as appropriate; send to DBEDT ASO/C and AG for review (3.1.6)
10. CABLE SME: Formalize selection committee for the Interisland Cable SME RFP. Meet to discuss requirements and selection criteria. Draft contract for the Interisland Cable SME RFP (3.2.1.2)
11. CABLE RFI: Receive approval of sole source justification to use HECO for contract from SPO. (3.2.1.3)
12. CABLE EIS: Formalize selection committee for the EIS RFP. Meet to discuss requirements and selection criteria. (3.2.1.5)
13. Online Permitting: Develop requirements for RFP (3.2.2.1)
14. Expedited Permitting Account: Fund the account with ARRA funding up to \$200K. (3.2.2.2)

Week of 24 August

1. ESH: Begin development of draft SAIC/HEEP MOA on energy solutions for the home program to encourage residential customers to reduce electricity consumption (3.1.1.2)
2. KIUC: Prepare final contract and send for ASO contract/AG review, approval for final (3.1.1.3 and 3.1.8)
3. HSWAC: Send RFP for contract/AG review, approval for issue (After RFP is issued estimate 3 months for advertising, evaluating proposals, approvals of contract) Contract will be issued around end of November. (3.1.3)

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4. Hospitality ENERGY STAR: Issue RFP with ASO's, AG's and SPO's review and approval (3.1.4.1)
5. Gov, Business, NP ES & Code Adoption: Send RFP for contract/AG review, approval for issue (After RFP is issued estimate 3 months for advertising, evaluating proposals, approvals of contract). Contract will be issued around end of November. (3.1.4.2)
6. DBEDT Block: SAIC reviews MOA (3.1.7)
7. CABLE SME: Send Interisland Cable SME RFP to DBEDT ASO. (3.2.1.2)
8. CABLE RFI: Finalize RFI contract with HECO. Send to TEL for signature and execution. Send invitations to cable developers RFI meeting. (3.2.1.3)
9. CABLE RFP: Begin development of cable procurement RFP contract requirements for sole source to HECO. (3.2.1.4)
10. Online Permitting: Submit RFP for development of online permitting contract to ASO (3.2.2.1)
11. Transportation: Meeting with potential partners to discuss vehicle technologies, demonstrations, and infrastructure (3.3.1)

Week of 31 August

1. Asia Pacific Clean Energy Symposium + other Training this week
2. CICR: Begin development of MOA with SAIC/HEEP on rebate program for commercial and industrial customized installation of non-standard energy efficiency technologies (3.1.1.1)
3. WAP: Receive OCS MOA from AG. Revise and send to COS/JP/TAP for review. (3.1.2)
4. Training & Adoption of LEED: Draft RFP (3.1.4.3)
5. DHHL: Receive MOA back from ASO/C and AG; revise and send to COS/JP/TAP for review (3.1.5)
6. DAGS: Receive MOA back from ASO/C and AG; revise and send to COS/JP/TAP for review (3.1.6)
7. SEEARP: Continue to work with Oahu, Maui and Big Island counties on prospective projects in support of GREP (3.1.1). Prepare Comprehensive Application. (3.1.9)
8. CABLE SME: Send Interisland Cable SME RFP to SPO for advertisement. (3.2.1.2)
9. CABLE RFP: Negotiate cable procurement RFP contract requirements with HECO. (3.2.1.4)
10. CABLE EIS: Develop requirements for EIS RFP (3.2.1.5)

Week of 7 September

1. KIUC: Approval for contract received, send final document to KIUC for signature (3.1.1.3 and 3.1.8)
2. WAP: Receive OCS MOA from TAP. Revise and send to OCS for review and signature. (3.1.2)
3. Training & Adoption of LEED: Establish proposal review committee and review the proposal evaluation form with ASO's review and approval. Finalize RFP (3.1.4.3)
4. DHHL: Receive MOA back from TAP; revise and send to DHHL for review and signature (3.1.5)
5. DAGS: Receive MOA back from TAP; revise and send to DAGS for review and signature (3.1.6)
6. DBEDT Block: Receive SAIC MOA back; review recommendations; make necessary changes (3.1.7)
7. CABLE SME: Selection committee review results of Interisland Cable SME RFP advertisement, select contractor. Begin negotiations with contractor. (3.2.1.2)
8. CABLE RFP: Continue negotiation of cable procurement RFP contract requirements with HECO. (3.2.1.4)

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9. CABLE EIS: Develop requirements for EIS RFP (3.2.1.5)
10. Online Permitting: Submit RFP to SPO for advertisement (3.2.2.1)
11. Transportation: Develop outline for implementation plan. (3.3.1)

Week of 14 September

1. CICR: Send draft MOA to SAIC/HEEP on rebate program for commercial and industrial customized installation of non-standard energy efficiency technologies (3.1.1.1)
2. ESH: Send draft MOA to SAIC/HEEP on energy solutions for the home program to encourage residential customers to reduce electricity consumption (3.1.1.2)
3. DBEDT Block: Send MOA to ASO/C and AG for approval (3.1.7)
4. SEEARP: Continue to work with Oahu, Maui and Big Island counties on prospective projects in support of GREP (3.1.1). Prepare Comprehensive Application. (3.1.9)
5. Renewable Energy: Develop project inventory (3.2.2.3)
6. Transportation: Meet individually with local partners to flesh out implementation plan. (3.3.1)

Week of 21 September

1. KIUC: Receive KIUC-signed contract back; send for DBEDT Director signature; (3.1.1.3 and 3.1.8)
2. WAP: Receive signed MOA back from OCS. Send to TEL for signature and execution. Begin MOA administration (3.1.2)
3. Hospitality ENERGY STAR: Award Contract with ASO's, AG's and SPO's review and approval and have it posted on HePS (3.1.4.1)
4. Training & Adoption of LEED: Issue RFP with ASO's, AG's and SPO's review and approval (3.1.4.3)
5. DHHL: Receive signed MOA back from DHHL. Send to TEL for signature and execution. Begin MOA administration. (3.1.5)
6. DAGS: Receive signed MOA back from DAGS. Send to TEL for signature and execution. Begin MOA administration. (3.1.6)
7. CABLE SME: Take part in RFI meeting. (3.2.1.2)
8. CABLE RFI: Host cable developer conference with HECO. Gather information on financing, permitting, procurement, and installation of undersea cable from existing cable developers. (3.2.1.3)
9. CABLE RFP: Send sole source contract to DBEDT ASO for review. (3.2.1.4)
10. CABLE EIS: Develop requirements for EIS RFP (3.2.1.5)
11. Online Permitting: Review responses for advertisement of RFP. Begin selection of contractor. (3.2.2.1)
12. Transportation: Meet individually with local partners to flesh out implementation plan. (3.3.1)

Week of 28 September

1. CICR: Receive back from SASIC/HEEP draft MOA. Revise and send to ASO/C and AG for review and approval (3.1.1.1)
2. KIUC: Receive signed contract back from DBEDT Director; send to DAGS for execution and encumbrance (3.1.1.3 and 3.1.8)

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3. Hospitality ENERGY STAR: Finalize award if the contract is not contested. Issue Notice to Proceed to CONTRACTOR. Meet with CONTRACTOR to review terms and conditions. Begin contract administration (3.1.4.1)
4. DBEDT Block: Receive SAIC MOA back from ASO/C and AG. Make changes. Send to SAIC for signature (3.1.7)
5. CABLE SME: Review results of RFI meeting with DBEDT, begin development or RFP criteria. (3.2.1.2)
6. CABLE RFI: Receive HECO's draft report of results from the cable developer conference. Report will form the basis for the requirements for the RFP for the development of the interisland cable. (3.2.1.3)
7. CABLE EIS: Send EIS RFP to DBEDT ASO (3.2.1.5)
8. Online Permitting: Begin negotiation with contractor for development of online permitting program (3.2.2.1)
9. Transportation: Meet individually with major State fleets; develop plan for demonstrations and infrastructure. (3.3.2)

Week of 5 October

1. ESH: Receive draft MOA back from SAIC/HEEP. Make revisions; send to ASO/C and AG for review and approval (3.1.1.2)
2. KIUC: Receive executed contract back from DAGS; send to KIUC with notice to proceed; (3.1.1.3 and 3.1.8)
3. Hospitality ENERGY STAR: Negotiate contract with awardee (3.1.4.1)
4. SEEARP: Finalize projects with Oahu, Maui and Big Island counties in support of GREP (3.1.1). Finalize Comprehensive Application. (3.1.9)
5. CABLE RFP: Send sole source contract to SPO for advertisement and approval. (3.2.1.4)
6. Online Permitting: Finalize contract, send to TEL for signature. Obligate funds. (3.2.2.1)
7. Transportation: Finalize draft implementation plan. Forward for Director's review (3.3.1 / 3.3.2)

Week of 12 October

1. CICR: Receive back from ASO/C and AG draft SAIC/HEEP MOA. Revise and send to TAP and Director for approval (3.1.1.1)
2. KIUC: Meet with KIUC to review scope of contract; begin contract administration (3.1.1.3 and 3.1.8)
3. Training & Adoption of LEED: Award Contract with ASO's, AG's and SPO's review and approval and have it posted on HEPS (3.1.4.3)
4. DBEDT Block: Receive signed SAIC MOA back; send to TAP and TEL for final review and signature (3.1.7)
5. SEEARP: Submit Comprehensive Application on FedConnect.net. Await notification of financial assistance award by December 2009. (3.1.9)
6. CABLE EIS: Send EIS RFP to SPO for advertisement (3.2.1.5)
7. Online Permitting: Gather all possible permits for renewable energy projects. (3.2.2.1)
8. Transportation: Follow up with vehicle manufacturers; schedule calls. (3.3.1 / 3.3.2)

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Week of 19 October 2009

1. CICR: Receive back from Director's Office approved draft MOA with SAIC/HEEP. Revise as needed and send to TAP and Director for review and approval (3.1.1.1)
2. ESH: Receive draft MOA back from ASO/C and AG. Make revisions; send to SAIC/HEEP for review and signature (3.1.1.2)
3. Hospitality ENERGY STAR: Send draft contract to ASO/C and AG for review and approval (3.1.4.1)
4. Training & Adoption of LEED: Finalize award if the contract is not contested, and Issue Notice to Proceed to CONTRACTOR (3.1.4.3)
5. DBEDT Block: Execute SAIC MOA; send copy to SAIC. Begin MOA administration. (3.1.7)
6. Online Permitting: Organize permitting requirements by technology and location. Develop online wizard for required permits to determine permitting requirements for individual projects. (3.2.2.1)
7. Transportation: Develop guidelines for infrastructure and grant program. (3.3.1)

Week of 26 October 2009

1. ESH: Receive draft MOA back from TAP and Director. Make revisions; send to SAIC/HEEP for review and signature (3.1.1.2)
2. Training & Adoption of LEED: Execute Contract (3.1.4.3)
3. CABLE RFP: SPO approves HECO sole source justification for development of interisland cable requirements. Final contract sent to TEL for signature. (3.2.1.4)
4. Online Permitting: Develop online wizard for required permits to determine permitting requirements for individual projects. Organize permits to allow for online entry of data into subject areas. (3.2.2.1)
5. Transportation: Develop "critical mass" plan, with commitments for 300-500 vehicles in 2010-2011. (3.3.1 / 3.3.2)

Week of 2 November 2009

1. CICR: Receive back from SAIC/HEEP signed MOA. Send to Director for signature. (3.1.1.1)
2. Hospitality ENERGY STAR: Receive contract back from ASO/C and AG. Make corrections and send to TAP and Director for review and approval (3.1.4.1)
3. Gov, Business, NP ES & Code Adoption: Contract complete, issue to Contractor, meeting with Contractor to go over scope, begin contract administration (3.1.4.2)
4. CABLE RFP: HECO begins development of requirements and evaluation criteria for the Interisland Cable procurement RFP. (3.2.1.4)
5. CABLE EIS: Selection committee review responses to EIS RFP. Begin selection process for contractor to perform EIS (3.2.1.5)
6. Online Permitting: Develop server requirements and tracking system for permits. (3.2.2.1)
7. Renewable Energy: Draft RFP (3.2.2.3)
8. Transportation: Provide information on vehicle plan to manufacturers. (3.3.1 / 3.3.2)

Week of 9 November 2009

1. CICR: Receive back from Director signed SAIC/HEEP MOA. Send copy to SAIC/HEEP. Begin MOA administration. (3.1.1.1)

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2. ESH: Receive signed MOA back from SAIC/HEEP. Send to TAP and Director for signature. Begin MOA administration (3.1.1.2)
3. Hospitality ENERGY STAR: Receive contract back from TAP and Director. Make corrections and send to Contractor for review and signature (3.1.4.1)
4. CABLE SME: Work with HECO for development of RFP criteria for the procurement of the interisland cable. (3.2.1.2)
5. CABLE EIS: Finalize selection of CONTRACT for EIS, begin negotiations with contractor (3.2.1.5)
6. Transportation: Provide information on vehicle plan to manufacturers. (3.3.1 / 3.3.2)

Week of 16 November 2009

1. Hospitality ENERGY STAR: Receive contract back from Contractor. Send to Director for signature. Send to DAGS for execution and encumbrance (3.1.4.1)
2. CABLE EIS: Ongoing negotiations with contractor (3.2.1.5)
3. Online Permitting: Begin trials of online permitting system. (3.2.2.1)
4. Transportation: Schedule meetings between fleets and vehicle & infrastructure providers. (3.3.1 / 3.3.2)

Week of 23 November 2009

1. HSWAC: Contract complete, issued to Contractor, meeting with Contractor to focus on scope (1.3)
2. Hospitality ENERGY STAR: Receive executed contract back from DAGS. Send Contractor Notice to Proceed. Meet with Contractor to review requirements. Begin contract administration (3.1.4.1)
3. CABLE EIS: Finalize EIS contract, send to TEL for signature. if the contract is not contested, issue Notice to Proceed to CONTRACTOR (3.2.1.5)
4. Online Permitting: Continue trials of online permitting system. (3.2.2.1)
5. Transportation: Continue meetings between fleets and vehicle & infrastructure providers. (3.3.1 / 3.3.2)