

Exhibit A WORK STATEMENT

TECHNICAL TASK LIST

| Task # | CPR | Task Name |
|--------|-----|--|
| 1 | | Administration |
| 2 | | Site Plan |
| 3 | | Manufacture and Factory Test |
| 4 | X | Factory Acceptance Test |
| 5 | | Delivery, Installation and Commissioning |
| 6 | | Training |
| 7 | X | Measurement and Verification (M&V) |
| 8 | | Quarterly Maintenance |
| 9 | | Technology Transfer Activities |
| 10 | | Production Readiness Plan |

KEY NAME LIST

| Task # | Key Personnel | Key Subcontractor(s) | Key Partner(s) |
|--------|----------------|----------------------|----------------|
| 1 | Bill O'Donnell | | |
| 2 | | | |
| 3 | Bill O'Donnell | | |
| 4 | | | |
| 5 | Bill O'Donnell | | |
| 6 | | | |
| 7 | | | |
| 8 | Bill O'Donnell | | |
| 9 | | | |
| 10 | Bill O'Donnell | | |

GLOSSARY

Specific terms and acronyms used throughout this scope of work are defined as follows:

| Term/ Acronym | Definition |
|--------------------------|---------------------------------------|
| CESA | California Energy Storage Association |
| CPR | Critical Project Review |
| DG | Distributed Generation |
| DOD | Depth of Discharge |
| ESS | Energy Storage System |
| Energy Commissi on | California Energy Commission |

| Term/ Acronym | Definition |
|--------------------------|---|
| EPRI | Electric Power Research Institute |
| IOU | Investor Owned Utility |
| M&V | Measurement and Verification |
| MSDS | Material Safety Data Sheet |
| PAC | Project Advisory Committee |
| PB150 | PowerBlock150 |
| PIER | Public Interest Energy Research |
| PPC | Premium Power Corporation |
| RD&D | Research, Development and Demonstration |
| SDG&E | San Diego Gas and Electric |
| TOU | Time of Use |
| UL | Underwriters Laboratories |
| UPS | Uninterruptable Power Supply |
| VAC | Voltage Alternating Current |
| VRLA | Valve Regulated Lead Acid |

Problem Statement:

The United States electricity industry will face significant challenges over the coming years. There will be a shift from a model in which electricity is generated and controlled centrally, to one in which energy is more dispersed and integrated at a local level, taking advantage of renewable energy sources. Additionally, environmental awareness and rising prices will require the energy industry to become increasingly responsive to the need for more timely energy usage and pricing information, more tailored energy options, and greater individual customer control.

This project will demonstrate the impact of energy storage on monitoring and control strategies, grid reliability, and load management. The PowerBlock system will provide local dispatchable stored energy for peak shaving, demand response and load management. It also lays the foundation for participation in other ancillary services programs and provides the firming and shifting of locally installed intermittent renewable generation. Larger deployment of energy storage will foster increased penetration of renewable generation and defer the need for building new plants for grid balancing requirements.

Goals of the Agreement:

The goal of this agreement is to demonstrate one 100kW/150kWh Zinc-Flow PowerBlock[®]150 (PB150) energy storage system (ESS) for customer-side applications (peak load reduction and load management). The project will be located at a Wal-Mart retail store at 4840 Shawline Street, San Diego, CA, within San Diego Gas and Electric's (SDG&E) Southern California operating territory. Specific goals include: shaving power peaks and load shifting that result in significant reduction of Wal-Mart's demand and energy charges; participation in one of SDG&E's demand response programs; successful integration of the system into Wal-Mart's facility; successful data

measurement and verification of the economic and social benefits and costs of the system; feasibility analysis and recommendations for further advancement of the technology and deployment of the technology for Wal-Mart.

Objectives of the Agreement:

The specific objectives of this project are to demonstrate and evaluate one Premium Power Corporation PB150, fully integrated mobile ESS to:

- Provide peak shaving in order to reduce demand charges and lower Wal-Mart's overall utility bills;
- Shift off-peak power to on-peak periods to assist the utility in load leveling generation resources and lower Wal-Mart's energy bill to take advantage of time of use (TOU) rates;
- Provide limited backup energy to a specific load circuit in the event of a power outage;
- Study the feasibility of using ESS at other California store locations with high demand or TOU rate structures;
- Demonstrate long term, commercial scale operation of a high-efficiency peak shift energy storage system, with the capability to withstand daily deep discharge cycling and maintain a 30+ year design life as opposed to today's Valve Regulated Lead Acid (VRLA) battery systems that have a limited cycling capability and life span.

Product Guidelines:

For complete product guidelines, refer to Section 5 in the Terms and Conditions.

TASK 1 ADMINISTRATION

Task 1.1 Attend Kick-off Meeting

The goal of this task is to establish the lines of communication and procedures for implementing this Agreement.

The Recipient shall:

- Attend a "Kick-Off" meeting with the Commission Project Manager, the Grants Officer, and a representative of the Accounting Office. The Recipient shall bring its Project Manager, Agreement Administrator, Accounting Officer, and others designated by the Commission Project Manager to this meeting. The administrative and technical aspects of this Agreement will be discussed at the meeting. Prior to the kick-off meeting, the Commission Project Manager will provide an agenda to all potential meeting participants.

The administrative portion of the meeting shall include, but not be limited to, the following:

- Discussion of the terms and conditions of the Agreement
- Discussion of Critical Project Review (Task 1.2)
- Match fund documentation (Task 1.6)
- Permit documentation (Task 1.7)

The technical portion of the meeting shall include, but not be limited to, the following:

- The Commission Project Manager's expectations for accomplishing tasks described in the Scope of Work
- An updated Schedule of Products
- Discussion of Progress Reports (Task 1.4)
- Discussion of Technical Products (Product Guidelines located in Section 5 of the Terms and Conditions)
- Discussion of the Final Report (Task 1.5)

The Commission Project Manager shall:

- Designate the date and location of this meeting.

Recipient Products:

- Updated Schedule of Products (no draft)
- Updated List of Match Funds (no draft)
- Updated List of Permits (no draft)

Commission Project Manager Product:

- Kick-Off Meeting Agenda (no draft)

Task 1.2 Critical Project Review (CPR) Meetings

The goal of this task is to determine if the project should continue to receive Energy Commission funding to complete this Agreement and to identify any needed modifications to the tasks, products, schedule or budget.

CPRs provide the opportunity for frank discussions between the Energy Commission and the Recipient. CPRs generally take place at key, predetermined points in the Agreement, as determined by the Commission Project Manager and as shown in the Technical Task List above. However, the Commission Project Manager may schedule additional CPRs as necessary, and any additional costs will be borne by the Recipient.

Participants include the Commission Project Manager and the Recipient and may include the Commission Grants Officer, the Public Interest Energy Research (PIER) Program Team Lead, other Energy Commission staff and Management as well as other individuals selected by the Commission Project Manager to provide support to the Energy Commission.

The Commission Project Manager shall:

- Determine the location, date, and time of each CPR meeting with the

- Send the Recipient the agenda and a list of expected participants in advance of each CPR. If applicable, the agenda shall include a discussion on both match funding and permits.
- Conduct and make a record of each CPR meeting. One of the outcomes of this meeting will be a schedule for providing the written determination described below.
- Determine whether to continue the project, and if continuing, whether or not modifications are needed to the tasks, schedule, products, and/or budget for the remainder of the Agreement. Modifications to the Agreement may require a formal amendment (please see the Terms and Conditions). If the Commission Project Manager concludes that satisfactory progress is not being made, this conclusion will be referred to the Energy Commission's Research, Development and Demonstration (RD&D) Policy Committee for its concurrence.
- Provide the Recipient with a written determination in accordance with the schedule. The written response may include a requirement for the Recipient to revise one or more product(s) that were included in the CPR.

The Recipient shall:

- Prepare a CPR Report for each CPR that discusses the progress of the Agreement toward achieving its goals and objectives. This report shall include recommendations and conclusions regarding continued work of the projects. This report shall be submitted along with any other products identified in this scope of work. The Recipient shall submit these documents to the Commission Project Manager and any other designated reviewers at least 15 working days in advance of each CPR meeting.
- Present the required information at each CPR meeting and participate in a discussion about the Agreement.

Commission Project Manager Products:

- Agenda and a list of expected participants (no draft)
- Schedule for written determination (no draft)
- Written determination (no draft)

Recipient Product:

- CPR Report(s) (no draft)

Task 1.3 Final Meeting

The goal of this task is to closeout this Agreement.

The Recipient shall:

- Meet with Energy Commission staff to present the findings, conclusions, and recommendations. The final meeting must be completed during the

closeout of this Agreement.

This meeting will be attended by, at a minimum, the Recipient, the Commission Grants Office Officer, and the Commission Project Manager. The technical and administrative aspects of Agreement closeout will be discussed at the meeting, which may be two separate meetings at the discretion of the Commission Project Manager.

The technical portion of the meeting shall present an assessment of the degree to which project and task goals and objectives were achieved, findings, conclusions, recommended next steps (if any) for the Agreement, and recommendations for improvements. The Commission Project Manager will determine the appropriate meeting participants.

The administrative portion of the meeting shall be a discussion with the Commission Project Manager and the Grants Officer about the following Agreement closeout items:

- What to do with any equipment purchased with Energy Commission funds (Options)
- Energy Commission's request for specific "generated" data (not already provided in Agreement products)
- Need to document Recipient's disclosure of "subject inventions" developed under the Agreement
- "Surviving" Agreement provisions, such as repayment provisions and confidential Products
- Final invoicing and release of retention
- Prepare a schedule for completing the closeout activities for this Agreement

Products:

- Written documentation of meeting agreements (no draft)
- Schedule for completing closeout activities (no draft)

Task 1.4 Monthly Progress Reports

The goal of this task is to periodically verify that satisfactory and continued progress is made towards achieving the research objectives of this Agreement on time and within budget.

The objectives of this task are to summarize activities performed during the reporting period, to identify activities planned for the next reporting period, to identify issues that may affect performance and expenditures, and to form the basis for determining whether invoices are consistent with work performed.

The Recipient shall:

- Prepare a Monthly Progress Report which summarizes all Agreement

activities conducted by the Recipient for the reporting period, including an assessment of the ability to complete the Agreement within the current budget and any anticipated cost overruns. Each progress report is due to the Commission Project Manager within 10 days of the end of the reporting period. The recommended specifications for each progress report are contained in Exhibit A, Attachment A-2.

Product:

- Monthly Progress Reports (no draft)

Task 1.5 Final Report

The goal of the Final Report is to assess the project's success in achieving its goals and objectives, advancing science and technology, and providing energy-related and other benefits to California.

The objectives of the Final Report are to clearly and completely describe the project's purpose, approach, activities performed, results, and advancements in science and technology; to present a public assessment of the success of the project as measured by the degree to which goals and objectives were achieved; to make insightful observations based on results obtained; to draw conclusions; and to make recommendations for further RD&D projects and improvements to the PIER project management processes.

The Final Report shall be a public document. If the Recipient has obtained confidential status from the Energy Commission and will be preparing a confidential version of the Final Report as well, the Recipient shall perform the following activities for both the public and confidential versions of the Final Report.

The Recipient shall:

- Prepare an Outline of the Final Report.
- Prepare a Final Report following the approved outline and the latest version of the PIER Final Report guidelines published on the Energy Commission's website at <http://www.energy.ca.gov/contracts/pier/contractors/index.html> at the time the Recipient begins performing this task, unless otherwise instructed in writing by the Commission Project Manager. Instead of the timeframe listed in the Product Guidelines located in Section 5 of the Terms and Conditions, the Commission Project Manager shall provide written comments on the Draft Final Report within fifteen (15) working days of receipt. The Final Report must be completed on or before the end of the Agreement Term.
- Submit one bound copy of the Final Report with the final invoice.

Products:

- Draft Outline of the Final Report

- Final Outline of the Final Report
- Draft Final Report
- Final Report

Task 1.6 Identify and Obtain Matching Funds

The goal of this task is to ensure that the match funds planned for this Agreement are obtained for and applied to this Agreement during the term of this Agreement.

The costs to obtain and document match fund commitments are not reimbursable through this Agreement. Although the PIER budget for this task will be zero dollars, the Recipient may utilize match funds for this task. Match funds shall be spent concurrently or in advance of PIER funds for each task during the term of this Agreement. Match funds must be identified in writing and the associated commitments obtained before the Recipient can incur any costs for which the Recipient will request reimbursement.

The Recipient shall:

- Prepare a letter documenting the match funding committed to this Agreement and submit it to the Commission Project Manager at least 2 working days prior to the kick-off meeting. If no match funds were part of the proposal that led to the Energy Commission awarding this Agreement and none have been identified at the time this Agreement starts, then state such in the letter. If match funds were a part of the proposal that led to the Energy Commission awarding this Agreement, then provide in the letter a list of the match funds that identifies the:
 - Amount of each cash match fund, its source, including a contact name, address and telephone number and the task(s) to which the match funds will be applied
 - Amount of each in-kind contribution, a description, documented market or book value, and its source, including a contact name, address and telephone number and the task(s) to which the match funds will be applied. If the in-kind contribution is equipment or other tangible or real property, the Recipient shall identify its owner and provide a contact name, address and telephone number, and the address where the property is located
- Provide a copy of the letter of commitment from an authorized representative of each source of cash match funding or in-kind contributions that these funds or contributions have been secured.
- Discuss match funds and the implications to the Agreement if they are reduced or not obtained as committed, at the kick-off meeting. If applicable, match funds will be included as a line item in the progress reports and will be a topic at CPR meetings.
- Provide the appropriate information to the Commission Project Manager if during the course of the Agreement additional match funds are received.
- Notify the Commission Project Manager within 10 days if during the

course of the Agreement existing match funds are reduced. Reduction in match funds must be approved through a formal amendment to the Agreement and may trigger an additional CPR.

Products:

- A letter regarding match funds or stating that no match funds are provided (no draft)
- Copy(ies) of each match fund commitment letter(s) (if applicable) (no draft)
- Letter(s) for new match funds (if applicable) (no draft)
- Letter that match funds were reduced (if applicable) (no draft)

Task 1.7 Identify and Obtain Required Permits

The goal of this task is to obtain all permits required for work completed under this Agreement in advance of the date they are needed to keep the Agreement schedule on track.

Permit costs and the expenses associated with obtaining permits are not reimbursable under this Agreement. Although the PIER budget for this task will be zero dollars, the Recipient shall budget match funds for any expected expenditures associated with obtaining permits. Permits must be identified in writing and obtained before the Recipient can make any expenditures for which a permit is required.

The Recipient shall:

- Prepare a letter documenting the permits required to conduct this Agreement and submit it to the Commission Project Manager at least 2 working days prior to the kick-off meeting. If there are no permits required at the start of this Agreement, then state such in the letter. If it is known at the beginning of the Agreement that permits will be required during the course of the Agreement, provide in the letter:
 - A list of the permits that identifies the:
 - Type of permit
 - Name, address and telephone number of the permitting jurisdictions or lead agencies
- The schedule the Recipient will follow in applying for and obtaining these permits.
- Discuss the list of permits and the schedule for obtaining them at the kick-off meeting and develop a timetable for submitting the updated list, schedule and the copies of the permits. The implications to the Agreement if the permits are not obtained in a timely fashion or are denied will also be discussed. If applicable, permits will be included as a line item in the Progress Reports and will be a topic at CPR meetings.
- If during the course of the Agreement additional permits become necessary, provide the appropriate information on each permit and an updated schedule to the Commission Project Manager.

- As permits are obtained, send a copy of each approved permit to the Commission Project Manager.
- If during the course of the Agreement permits are not obtained on time or are denied, notify the Commission Project Manager within 10 days. Either of these events may trigger an additional CPR.

Products:

- Letter documenting the permits or stating that no permits are required (no draft)
- A copy of each approved permit (if applicable) (no draft)
- Updated list of permits as they change during the term of the Agreement (if applicable) (no draft)
- Updated schedule for acquiring permits as changes occur during the term of the Agreement (if applicable) (no draft)

TECHNICAL TASKS

TASK 2.0 - SITE PLAN

The goal of this task is to provide a coordinated site plan and site preparation plan that identifies specific issues which need to be addressed during project implementation and validation.

The Recipient Shall:

- A detailed Site Plan Report will be completed at the beginning of the project. This site plan will assess power, physical and environmental conditions, as well as any other site-specific conditions that may drive system and utility infrastructure requirements and project success criteria. Particularly, the site plan will:
 - Provide critical load data, which considers voltage, current grounding and other usage characteristics, that will be used to estimate the PB150's impact on the loads and its backup capability, and required switch gear.
 - Evaluate the site's standard generating and existing backup sources, including the grid and any conventional sources such as gas turbines, diesel generators or alternative generating sources such as wind, photovoltaic, and geothermal, which may drive a non-standard PB150 configuration. This information will be used to help evaluate the physical and logical site configuration, including potential interaction between the PB150 and the generating source(s).
 - Identify the actual modes of operation, i.e. peak shaving, demand management, uninterruptable power supply (UPS)/backup or custom mode of operation, which will be used to specify system configuration and determine the performance and benefits (cost analysis methodology and

estimation).

- Determine the physical location of the unit based on access, grounding and surface preparation characteristics. This will be used to drive the material handling requirements and installation sequence. Proper grounding is a safety and operational requirement. The site's physical layout determines the location(s) of ground rod(s), as more than one rod may be required.
 - Evaluate serviceability of the installation location including tractor-trailer hookup/drop capability, forklift access, crane access and other service access needs. Positioning of the PB150 is critical to allow proper interconnection, adequate space for maintenance and repair operations, as well as removal of the system due to the unit being transportable and off-loadable.
 - Recommendations for site security will be provided. There will be limited access to manual controls and the PB150 will be secured against unrestricted public access.
 - Environmental conditions will be assessed and an action plan generated. Local weather and geography including temperature, humidity, elevation and flood plain will be considered. Extreme operating conditions may require a non-standard PB150 configuration.
 - Other items in site-specific design review will be considered, including: available short circuit current and distributed generation (DG) contribution, light load condition and back-feed, inadvertent islanding, equipment ratings, system protection and integration, existing service reinforcements/modifications, power quality and utility network interconnection protection requirements.
- Use the site plan survey to develop a site preparation guideline for the proper installation and commissioning of the PB150

Products:

- Completed Site Plan Report (no draft)
- Site Preparation Guidelines (no draft)

TASK 3.0 - MANUFACTURE AND FACTORY TEST

The goal of this task is to manufacture, assemble and successfully factory test one PB150.

The Recipient Shall:

- Manufacture one standard PB150. The Recipient will create and update (as needed) a build record during manufacture of the PB150. Adjustments to the design will be made to remain in compliance with the

- The completed PB150 will undergo factory test(s) and the recipient will develop a report on the testing process and results along with any changes that need to be made.
- The PB150 system will be packaged onto a 40 foot trailer with a chiller, transfer switch and any required transformers so that it can remain capable of being hauled and connected to any applicable site with a 480VAC or 240VAC service panel.

Products:

- Build Records (no draft)
- Factory Test Report (no draft)

TASK 4.0 - FACTORY ACCEPTANCE TEST

The goal of this task is to simulate in-service operation, verify system functionality, perform customer inspection and acceptance of the PB150 prior to delivery.

The Recipient Shall:

- Upon completion of the PB150 and factory test, a 7-day simulation of in-service operation will verify the modes of operation are functioning as established by the project site plan. Data collection will occur and be analyzed and the first operational report will be produced.
- Update the builds records and the factory test report based on the results from the 7-day simulation.
- At the end of the 7-day factory test a 1-day inspection and acceptance visit will be held at the recipients North Reading and/or Billerica Massachusetts facilities, where inspection and acceptance of the unit will occur resulting in a signed acceptance form from the recipient, the demonstration site and subcontractor(s). During the inspection process the build records, factory test report, and operational test report will be reviewed. A visual and physical inspection of the unit as well as system and subsystem functionality will be reviewed. All Underwriters Laboratories (UL) and other applicable standards will be reviewed. Delivery, installation and commissioning dates and resources will be reconfirmed.
- Participate in a CPR as per Task 1.2.

Products:

- Operational Test Report (no draft)
- Updated Build Records (no draft)
- Updated Factory Test Report (no draft)

- Signed Inspection and Acceptance Form (no draft)
- CPR Report (no draft)

TASK 5.0 - DELIVERY, INSTALLATION & COMMISSIONING

The goal of this task is to deliver, install and commission the PB150 at the project site.

The Recipient Shall:

- Work with the utility partner and site managers to utilize the site plan and permitting guidelines and the UL interconnection standards to install and commission the PB150 at the project site.
- Prior to shipment, an installation and commissioning plan will be generated. This plan will utilize the guidelines generated during the site planning, permitting and standards compliance tasks of this project to properly install and commission the PB150. Engineering documentation and materials (to be included in the installation and commissioning plan) for the site will typically include (but not be limited to):
 - Schematic wiring diagrams
 - Control wiring diagrams
 - Physical layout diagrams
 - Ground Rods
 - Safety equipment as deemed necessary
 - Any equipment required by permitting and safety agencies
- Ensure that one of its qualified field engineers will be present for system installation and commissioning. The project utility partner will lead and direct the final interconnection to the grid and provide over-site for the commissioning of the PB150. All installation partners and participants must read and understand all applicable safety and emergency procedures. An operation and maintenance manual will be provided several weeks before the shipment of the PB150. The manual will provide unloading and positioning instructions and required material handling equipment specifications.
- Generate a report on the delivery, installation and commissioning of the PowerBlock150 at the demonstration site.

Products:

- Installation and Commissioning plan (no draft)
- Operation and Maintenance manual (no draft)
- Delivery, Installation and Commissioning Report (no draft)

TASK 6.0 – TRAINING

The goal of this task is to provide operator and safety training to on-site personnel and the project partners.

The Recipient Shall:

- Develop a product operator manual for use by site personnel.
- Create a training curriculum for the 2-day session.
- Hold a two-day training session that will cover operation and safety procedures and basic system maintenance. The site operators and utility partners will learn the following (but not be limited to):
 - What to do in the event of a safety or emergency situation.
 - Trainees will review the Material Safety Data Sheet (MSDS) sheets and safety procedures in the event of an electrolyte containment failure and or other subsystem failure. They will learn the basic systems that comprise the PB150, how they function and interact.
 - The trainees will review the modes of operation in both manual and automatic modes and will learn how to perform basic troubleshooting and clear system faults. They will also learn to follow protocols in the event that basic troubleshooting procedures do not result in rectification of the system fault.
 - Trainees will learn how to remotely and locally access the PB150 monitoring software via the internet and Ethernet connection and review and download real-time and archived data for review and analysis. They will be capable of setting alarms that will send email and/or pager notification 24/7 of any preferred data set including faults, system self-corrections, when the unit enters a particular mode of operation (i.e. UPS or Peak Shave mode), or any other set of predetermined parameters.
- Develop a list of training session attendees for the Energy Commission.

Products:

- Training Session Curriculum and List of Attendees (no draft)
- Product Operator Manual (no draft)

Task 7.0 - MEASUREMENT & VERIFICATION (M&V)

The goal of this task is to conduct the measurement and verification (M&V) testing of the energy storage systems technical and economic performance and to provide SDG&E the information necessary to consider the technology for participation in their energy efficiency programs.

The Recipient Shall:

- Work with Energy Commission staff and utility partner's M&V team to identify required data to be measured and verified. The recipient will also assist in the performance analysis and feasibility of participation in the utility partner's energy efficiency programs.
- Provide data and analysis consistent with the objectives of this agreement in the Monthly M&V Reports.
- Participate in a CPR as per Task 1.2.

Products:

- Monthly M&V Report (no draft)
- CPR Report (no draft)

TASK 8.0 - QUARTERLY MAINTENANCE

The goal of this task is to provide project maintenance and a warranty to keep the project running smoothly over the demonstration period.

The Recipient Shall:

- Either the recipient or a qualified service personnel will visit the project site quarterly to perform basic and preventative maintenance. The recipient will authorize project partners that have been trained as described in Task 6 to perform basic system maintenance.
- Warrant that, with respect to the PowerBlock delivered, for a period of 18 months beginning on the date the PowerBlock is put into service, such PowerBlock (a) has been manufactured in a good workmanlike manner using new parts and components to meet or exceed the applicable Specifications in all material respects, (b) is substantially free from defects in material and workmanship, and (c) shall meet the applicable specifications when it is operated in accordance with guidelines set forth in the User Manual. The PB150 will be considered in-service upon the completion of the commissioning of the system as described in Task 5 above. This warranty shall cover both parts and labor.
- Basic and Preventative Maintenance will be performed by trained service and/or the recipient's personnel only. Basic and preventative maintenance procedures and the intervals in which they will be performed will be listed in the applicable sections of the owner's manual. The PB150 is equipped with extensive data monitoring and telemetry. Inspections may be done online to verify system operation and determine health of the system.
- System alarms will be set up to notify the recipient and the project partners (via email and pager) in the event that UPS mode has initiated, faults and/or service

is required.

Products:

- Quarterly Maintenance Reports (no draft)

TASK 9.0 - TECHNOLOGY TRANSFER ACTIVITIES

The goal of this task is to develop a plan to make the knowledge gained, experimental results, and lessons learned available to key decision-makers.

The Recipient shall:

- Prepare a Technology Transfer Plan. The plan shall explain how the knowledge gained in this project will be made available to the public. The level of detail expected is least for research-related projects and highest for demonstration projects. Key elements from this report shall be included in the Final Report for this project. This report should also include minimum run times with economic benefits in dollars by offloading peak demand.
- Conduct technology transfer activities in accordance with the Technology Transfer Plan. These activities shall be reported in the Monthly Progress Reports.

Products:

- Draft Technology Transfer Plan
- Final Technology Transfer Plan

TASK 10.0 - PRODUCTION READINESS PLAN

The goal of the plan is to determine the steps that will lead to the manufacturing of the technologies developed in this project or to the commercialization of the project's results.

The Recipient shall:

- Prepare a Production Readiness Plan. The degree of detail in the Production Readiness Plan discussion should be proportional to the complexity of producing or commercializing the proposed product and its state of development. The plan shall include, as appropriate, but not be limited to:
 - Identification of critical production processes, equipment, facilities, personnel resources, and support systems that will be needed to produce a commercially viable product.

- Internal manufacturing facilities, as well as supplier technologies, capacity constraints imposed by the design under consideration, identification of design critical elements and the use of hazardous or non-recyclable materials. The product manufacturing effort may include “proof of production processes.”
- A projected “should cost” for the product when in production.
- The expected investment threshold to launch the commercial product.
- An implementation plan to ramp up to full production.

Products:

- Draft Production Readiness Plan
- Final Production Readiness Plan