

# Charting a Course to Energy Independence

Providence, RI  
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# Agenda

- DLA/DESC Commitment to Renewable Energy
- Customer Sited Projects
- Projects
- Lessons Learned/Impending Barriers
- Requirements
- Evaluation
- Contact



# DEFENSE ENERGY SUPPORT CENTER

## Installation Energy Business Unit

- **DLA Director's Guidance:**

- **Improve support of renewable energy solutions. As an installation and renewable energy leader for DoD and interagency energy solutions, DLA/DESC will continue to drive DoD and interagency efforts in installation renewable energy support. DLA/DESC will be the energy procurement and execution arm for DoD and interagency consolidated requirements.**

- **DESC Goal:**

- **To facilitate and serve as the procurement arm for the building of on-site renewable energy projects on behalf of our partners with the intent of meeting or exceeding the goals established in the Energy Policy Act of 2005, Executive Order 13423 and National Defense Authorization Act of 2007.**



# Commitment to Renewable Initiatives

- DESC has dedicated internal resources to provide contracting expertise for DOD and Federal customers in support of long term power purchase agreements stemming from renewable energy project development
  - . Working with partners to develop requirements
  - . Teaming w/ DOD Military Service partners and DOE for technical expertise assistance
  - . Working w/ Federal Sector to develop ‘lessons learned’ and ‘best practices’ for long term contracting support



# Customer Sited Projects

- Third party entity installs, owns, operates and maintains
- Site purchases electricity through power purchase agreement (PPA)

## Pros

- No agency up-front capital required
- RE developer eligible for tax incentives, accelerated depreciation
- RE developer provides O&M
- Known long term electricity price for portion of site load

## Cons

- Contract length, NEPA
- Economy, available financing



# Pilot Project

- Department of Energy, Princeton Plasma Physics Lab, NJ
  - Customer Requirements
    - 1 MW roof and ground mounted Solar array
      - 600kW ground (carport structure)
      - 400kW roof array
    - Each item individually evaluated
    - Low Price Technically Acceptable
    - 10 year PPA
    - Solicitation issued 17 Feb 09; Closed 15 May 09
  - Lessons Learned/Impending Barriers
    - Financing Capability
    - Roof Quality
    - Interconnection Location
    - Communication of clear customer requirements



# Additional Projects

- Defense Logistics Agency, Defense Depot San Joaquin, CA
  - Customer Requirements
    - >800kW ground mounted Solar array
    - Low Price Technically Acceptable
    - 10 year PPA
    - Solicitation issued 29 May 09; Closes 28 Aug 09
  - Demonstration Project
    - Renewable Resource to Power Fuel Cell Forklift



# Customer Requirements

## **SHOULD INCLUDE:**

- Type of Renewable Resource
- Minimum size of project
- NEPA/Environmental Assessment
- Land Assessment
- Available data (load, wind studies, utility infrastructure, interconnection points, etc.)
- RECs-Keep or Sell, or Both
- Installation specific requirements (safety, environmental, access, etc.)
- Lease/Easement/License to convey land/infrastructure for project



# DESC Evaluation

## Low Price Technically Acceptable

### Mission Requirements

- Financial Capability
- Implementation Plan
- Performance Plan
- Quality Plan

### Past Performance

- Prime and Subcontractors

### Price



# Points of Contact

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