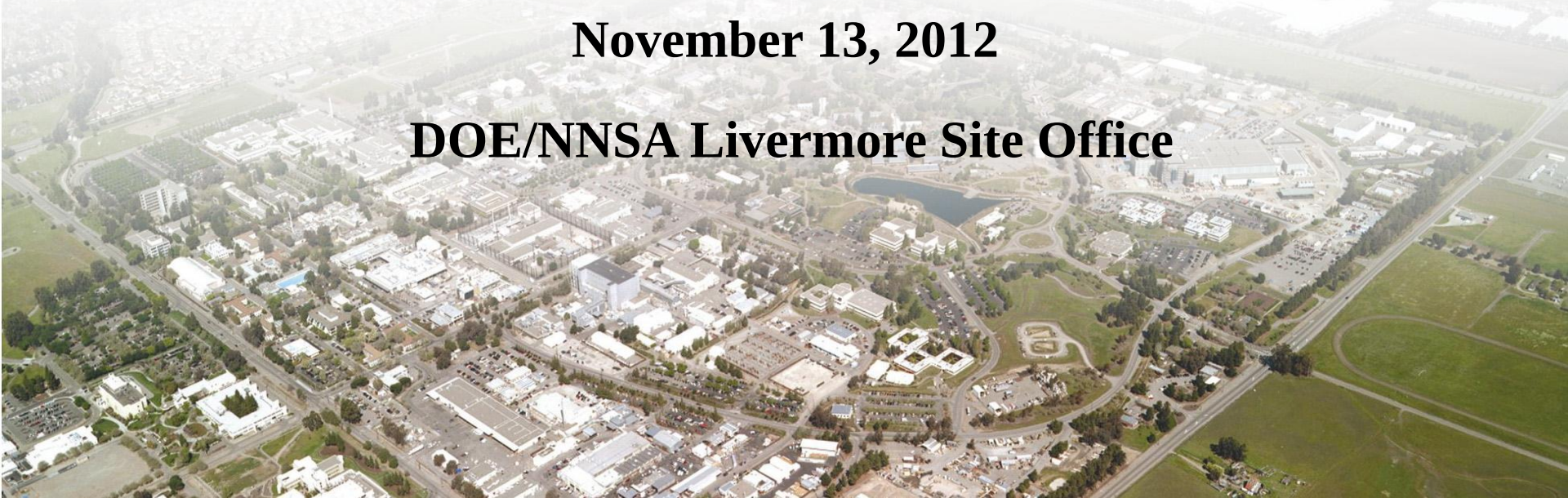
National Nuclear Security Administration

NNSA Livermore Site Office

Lawrence Livermore National Laboratory (LLNL)
Solar Project
Site Visit and Information Brief

November 13, 2012

DOE/NNSA Livermore Site Office



Agenda

- 8:45-9:15 Brief Overview and Logistics
- 9:30-10:30 Site Visit (via site taxi or personal vehicles)
- 10:45-11:30 Submission of Written Questions

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Project Site at LLNL

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Background

- Two RFIs (2011 and 2012) for renewable energy at LLNL evaluated location, technology, structure of project, eligible incentives etc.
- Electricity is purchased through Western Area Power Administration (WAPA) and averaging $54.00/MWH and recent annual usage was 402,756 MWH
- Daily load profile ranges from 43-65 MWH during daylight hours.

Goals

- DOE will continue to leverage its own expertise to identify and pursue renewable energy projects on DOE land. (DOE Strategic Sustainability Performance Plan, 2011)
- Solar project supports federal goals and targets for greenhouse gas reductions (Scopes 1, 2 and 3), use of onsite renewable energy, and reducing energy intensity.

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Attributes

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- Available site is relatively flat and open, previously disturbed, fenced, and within close proximity to existing electrical distribution system.
- Some environmental permitting will be completed by DOE/NNSA including NEPA and consultation with US Fish and Wildlife Service.
- SCADA data will be used for renewable energy research by DOE.

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Schedule

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- Site Visit- 11/13/2012
- Submit questions today and NLT- 11/30/2012
- Reponses to questions will be posted on an ongoing basis and NLT- 12/21/2012
- Proposals Due- 1/18/2012 by 4:00 pm pacific time
- Contractor Interviews (if necessary)- February 2013
- Vendor Selected- February/March 2013
- System fully operational in 2013

Moving Forward

- Interested Offerors are advised to monitor the Website for potential Opportunity Notice amendments, answers to questions, and other information updates.
- It is the responsibility of all interested Offerors to monitor the Website for current information.
- Some verbal answers to questions will be given today, however please refer back to the website for the complete official response.

https://llnl-solar.llnl.gov

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SE Corner of NW buffer

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P-186

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NW Buffer in Spring

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Access from Vasco Road

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Exterior LGS-19

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Interior LGS-19

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Background
Solicitation Documents

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- Opportunity Notice
- Attachment A- Statement of Work
- Attachment B- Site Map
- Attachment H- Price Proposal Form
- Attachment J- LLNL Site and Security Access Provisions
- Attachment K - LLNL Facilities Standards Medium-Voltage Power Cables
- Attachment F- Sample Worker Safety and Health Plan

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(Cont'd)

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- Attachment C- WAPA Sample Contract for Purchase of Energy
- Attachment D- WAPA General Power Contract Provisions
- Attachment E- Sample DOE/NNSA License Agreement

Evaluation

- Attachment I- Scoring Criteria Matrix –