



# **Appendix 6: MO PROPOSITION C REQUIREMENT: SOLAR STRATEGY**

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May 20, 2010

EE-2009-0237



# MO PROP C SOLAR COMPLIANCE STRATEGY STEPS

1. Solar Request For Proposal (RFP) Issued
2. Solar RFP Respondents
3. Short-List Request For Information (RFI)
4. Short-List Qualitative Analysis
5. Sample Project Timeline
6. Other Solar Opportunities
7. Next Steps & On-Going Work

# 2009 SOLAR REQUEST FOR PROPOSALS (RFP)

- RFP distributed on May 9, 2009 via:
  - Internal 'Solar Contacts' List
  - External 'Power Marketers' Site
    - Subscriber base of approximately 68,000
- Proposals required to provide KCP&L/GMOC ownership of the Solar Renewable Energy Credits (SRECs) associated with the energy
- Responses were due June 15, 2009

# SOLAR RFP RESPONSES

- 2009 Solar RFP Respondents
  - Respondents included 9 companies with offers varying from central solar to rooftop solar to the purchase of Solar RECs.
  - Bids included both ownership and PPA offers.
  - Bids were reviewed for least-cost alternatives in developing a short-list, under the assumption the energy and SRECs would have to be 'bundled'.

# SHORT-LIST REQUEST FOR INFORMATION (RFI)

- RFI distributed on January 4, 2010, to short-list bidders, requesting the following items:
  - BAFO (“best and final offer”)
  - Expected interconnection and delivery
  - Expected annual output (MWhs)
  - Expected in-service date of the facility (COD)
  - A review of our proposed solar PPA form, with a redline version showing all changes and/or exceptions to the form

# SHORT-LIST QUALITATIVE ANALYSIS

- Short-list respondents reviewed on qualitative characteristics, including:
  - Prior Experience
  - Financing
  - Ability to Meet Schedule
  - Panel Availability
  - Technology Maturity

# SAMPLE PROJECT TIMELINE

<u>Project Milestone</u>	<u>Expected Completion</u>
Land Acquisition	Done
PPA or Ownership Agreement Signed	April 2010
Interconnect Agreement Signed	May 2010
Development Permitting Completed	June 2010
EPC Contract Signed	July 2010
Module Supply Secured	July 2010
Project Finance Secured	July 2010
Start of Construction	August 2010
COD	December 2010

## OTHER SOLAR PROJECTS & OPPORTUNITIES

- Customer Site Located Facility
  - Solar Rebate would apply for Missouri
    - Example – The Green Zone
- Solar Demonstration Facility
  - Example – KCI Airport



## NEXT STEPS?

- Awaiting the final rules for clarification
- In the meantime, KCP&L continues to work:
  - Quantifying the impact a delay in the final rules will have on meeting the 2011 solar requirements.
  - Looking at the advantages/disadvantages of solar located at an existing power plant location.
  - Discussing the need to issue a new solar RFP to gauge market price changes from June, 2009.
  - Re-visiting the cost of Solar RECs, assuming geographic sourcing included the continental U.S.