LED Street Lighting

Public Information Sessions: October 8/9 & 23, 2014
Agenda

1. Introductions
2. Product overview
3. Customer economics
4. Rate design
5. Other utility LED programs
6. Process update
7. Anticipated timeline
8. Discussion
9. Next steps
Introductions…
Product Overview

- Xcel Energy-owned street lights
- Roadway (cobrahead)-only
- 100W, 150W, 250W, 400W equivalent replacements
- New LED products / rates for voluntary adoption
  - Retrofits / replacements
  - New construction
  - No change to current products / rates
- Estimated product availability mid-2015*

*Subject to PUC approval
Customer Economics

▶ Move to new LED rate
▶ No up-front costs
Rate Design

- Similar to SL rate structure:
  - System capacity
  - System energy
  - Plant recovery
  - Routine maintenance
  - A & G costs
  - Replacements
Rate Design, Cont’d

► Exclusions
  ► Non-routine maintenance

► Rate analysis to date indicates LED rate will be slightly lower than SL rate*
  ► At all equivalent wattage levels

*Subject to final rate modeling & vendor bids
Other Company-Owned LED Programs

► Duke Energy
  ► Roadway only for retrofits / decoratives for new
    ► No upfront charge for retrofits / customer pays delta for new
  ► Rates slightly lower compared to HPS, higher compared to mercury vapor
Other Company-Owned LED Programs

► Pacific Gas and Electric
  ► Roadway only
  ► Customer pays replacement cost difference upfront
  ► Rate similar to current HPS rate
Other Company-Owned LED Programs, cont’d

- Georgia Power
  - Roadway + 2 decorative post-top options
    - same rate / pricing
  - No upfront charge to customer
  - LED rate lower than HPS rate
Other Company-Owned LED Programs, cont’d

► Black Hills Energy
  ► Customer-owned only, no company-owned
► City of Ft. Collins Utilities
  ► Still in R&D
► Intermountain REA
  ► Converting all stock on company’s schedule
     ► Limited decorative options for new construction
Process Update

- National procurement strategy
- Specifications complete
- RFQ out / preliminary responses back
- Technical review underway
- 2015/16 DSM Plan- final draft preparation
  - Seeking approval for credit towards DSM savings goals
Anticipated Timeline

- October 30, 2014: DSM Plan filing
- Q4 2014: proposed LED rate filing with CPUC
- Winter 2015: product testing
- Spring 2015: DSM Plan approval (?)
- Spring 2015: contracting, procurement of LED labor and materials
- Summer 2015: CPUC Approval of LED rate
- Late Summer 2015: begin LED retrofits
Discussion...
Next Steps

► Submit additional written feedback:
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► Submit preliminary indications of program interest:
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► Formal application process created upon PUC approval