ENO IRP Public Technical Conference
2015 IRP Process & Company Overview

Milestone 1 – 2015 ENO IRP

June 27, 2014
Conference Objectives

- Explain integrated resource planning
- Highlight process for public input
- Summarize important facts about ENO
- Review process for evaluating demand-side resources
Integrated Resource Planning
Integrated Resource Plan (‘‘IRP’’)

- Integrated resource planning is a process utilized to develop a long-range plan for meeting customers’ future needs at the lowest reasonable cost.

- An IRP seeks to provide safe and reliable service at the lowest reasonable cost while mitigating risk from future uncertainty.

- Importantly, an IRP does not constitute a definitive plan to implement any specific action contemplated by the IRP.

- In addition, the Council for the City of New Orleans previously established guidelines for integrated resource planning.

- The Council’s guidelines are designed to incorporate public input and to ensure that each IRP reflects a balanced and reasonable approach to meeting customers’ future needs.
Process for ENO 2015 IRP
2015 IRP Process

- On June 5th the Council established the process for development of ENO’s 2015 IRP

- The process reflects lessons learned from the 2012 IRP and provides for public input during development of the IRP

- The following are key milestones in the Council’s process:
  - June 27  Milestone 1 – Inputs to DSM Potential Study
  - Oct 2014  Milestone 2 – DSM Potential Study Results / IRP Inputs
  - Feb 2015  Milestone 3 – IRP Modeling Results
  - Jun 2015  Milestone 4 – Draft IRP Report
  - Oct 2015  Final ENO 2015 IRP

- ENO will seek input at each of the milestones above
The process for development of the ENO 2015 IRP provides an opportunity for input at each milestone in the process:

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Timing of Technical Conference</th>
<th>Questions Due From Stakeholders*</th>
<th>Company Responses Due*</th>
<th>Intervenor Comments*</th>
<th>Guidance from City Council*</th>
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<tbody>
<tr>
<td><strong>Milestone 1 – DSM Potential Study Inputs (Including Avoided Cost)</strong></td>
<td>June 27, 2014</td>
<td>Within 7 days</td>
<td>Within 30 days</td>
<td>Within 60 days</td>
<td>Within 90 days</td>
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<tr>
<td><strong>Milestone 2 – IRP Inputs Including DSM Potential Study Results</strong></td>
<td>October 2014</td>
<td>Within 7 days</td>
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<td><strong>Milestone 3 – IRP Modeling Results</strong></td>
<td>February 2015</td>
<td>Within 7 days</td>
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<td><strong>Milestone 4 – Draft IRP Report</strong></td>
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<td>Within 7 days</td>
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<td>Within 90 Days</td>
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*Deadline is from the date of each respective technical conference*
Questions

- After this meeting (and future meetings), ENO will accept questions and comments relevant to the IRP through its website:
  - Fill out the “Submit a Question” Form
  - The last day to submit a question pertaining to Milestone 1 is July 3rd
  - ENO will post responses to relevant questions associated with Milestone 1 by July 28th
Overview of Entergy New Orleans
ENO Overview: Electric Service Territory

Electric service in 15th Ward (Algiers) provided by ELL
ENO Overview: Company Facts

- In 2013, ENO served 164,000 electric customers in the City of New Orleans
  - Customer peak demand in 2013 occurred in August and totaled 1,012 MW
  - Customers used over 5.1 billion kWh of electricity in 2013

- ENO currently owns and operates:
  - A 781 MW gas fired electric generating plant (The Michoud Station)
  - 134 miles of high voltage transmission Lines
  - 1,054 miles of overhead distribution lines
  - 380 miles of underground distribution lines
ENO Overview: 2013 Carbon Intensity

If CO₂ were regulated, the Entergy System in general and ENO in particular emit less CO₂ per MWh than most other regional utilities – a typical ENO customer produces about half as much CO₂ as typical US customers.

2013 Average CO₂ Per MWh of Generation and Purchased Power

- **Total US**: 0.59
- **Entergy Regulated**: 0.44
- **Entergy Arkansas**: 0.36
- **Entergy New Orleans**: 0.31
- **Entergy Louisiana**: 0.38
- **Entergy GSU LA**: 0.54
- **Entergy Texas**: 0.55
- **Entergy Mississippi**: 0.47
Following approval from the City Council, Entergy New Orleans (along with the other Entergy Operating Companies) successfully integrated with MISO in December 2013.

What is MISO?
- A Regional Transmission Organization (RTO)

What does MISO (an RTO) do?
- Ensures adequate resources are available to serve load
- Maintains reliability of the transmission system
- Manages energy markets within geographic footprint
- Facilitates a transmission planning process to enhance efficiency of the electric grid

How will MISO affect the ENO IRP?
- MISO provides access to a large marketplace for resources
- The MISO market will help ensure ENO continues to provide customers with safe and reliable service at the lowest reasonable cost
- The ENO IRP will use a model that represents the MISO market:
  - Planning Reserves (capacity)
  - Energy Market
  - Transmission Expansion