INDIANA FORECAST & RESOURCE NEEDS

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Presented by:
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2013 Forecast Highlights

- 2013 forecast growth is lower than in previous forecasts due to increases in efficiency
  - Higher prices reduce customer usage
  - Utility DSM
  - Efficiency standards

- Resource requirements are lower than in previous forecasts
  - Additional resources needed by 2016
Indiana Electricity Requirements

- The 2013 forecast was produced prior to SEA 340, which will affect the forecast.
- Based on the old DSM rule, energy use grows at 0.74% per year.
- If we add the DSM back in, it grows at 1.17% per year.
Retirements

• The 2013 forecast included about 2,300 MW of retirements in 2015, largely associated with MATS compliance.
• Another 430 MW of “scheduled” retirements were included between 2020 and 2029.
• Compliance with the EPA CO2 rule could result in earlier retirement of additional generation.
Age of Indiana’s Coal Fleet

- ~37% of Indiana’s coal fleet is > 40 years old
- ~80% of Indiana’s coal fleet is > 30 years old
- ~98% of Indiana’s coal fleet is > 20 years old

Data source: IURC 2014 Annual Report
Indiana Resource Requirements

- Resources may be provided by conservation measures, contractual purchases, purchases of existing assets, or new construction.
- Existing resources are adjusted into the future for retirements, contract expirations, and IURC approved new resources.
## Indiana Resource Requirements (MW)

<table>
<thead>
<tr>
<th>Year</th>
<th>Baseload</th>
<th>Total</th>
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<tbody>
<tr>
<td>2016</td>
<td>120</td>
<td>410</td>
</tr>
<tr>
<td>2017</td>
<td>210</td>
<td>630</td>
</tr>
<tr>
<td>2018</td>
<td>460</td>
<td>890</td>
</tr>
<tr>
<td>2019</td>
<td>570</td>
<td>1,060</td>
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<tr>
<td>2020</td>
<td>650</td>
<td>1,280</td>
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<tr>
<td>2021</td>
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<td>2022</td>
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<td>2027</td>
<td>1,530</td>
<td>3,210</td>
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</tbody>
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Further Information

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• www.purdue.edu/discoverypark/energy/SUFG/