Agency Overview

- Independent regulatory agency
- Quasi-judicial agency
- Regulates the rates for interstate transmission of electricity, natural gas, and oil
- Reviews applications for interstate natural gas pipelines, gas storage, LNG, and non-federal hydropower facilities
Commissioners

ACTING CHAIRMAN
CHERYL LAFLEUR

July 2010 - June 2019

COMMISSIONER COLETTE
HONORABLE

January 2015 - June 2017

COMMISSIONER

COMMISSIONER
Office of Energy Projects

- Provide the Commission with recommendations regarding applications for jurisdictional hydroelectric and natural gas projects
  - Perform engineering and environmental review of projects
  - Issue environmental documents as required by NEPA
  - Consult with federal and state agencies, tribes, NGOs, and the public (stakeholders)
  - Conduct field inspections
- Staff of archeologists, biologists, geologists, engineers, environmental protection specialists, and recreation planners
## Major Pipeline Project Approvals

<table>
<thead>
<tr>
<th>Year</th>
<th># Projects</th>
<th>Capacity Bcfd</th>
<th>Miles of Pipeline</th>
<th>Compression HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>30</td>
<td>23.0</td>
<td>2,727</td>
<td>849,110</td>
</tr>
<tr>
<td>2008</td>
<td>25</td>
<td>16.3</td>
<td>2,142</td>
<td>648,838</td>
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<tr>
<td>2009</td>
<td>27</td>
<td>14.1</td>
<td>1,276</td>
<td>748,749</td>
</tr>
<tr>
<td>2010</td>
<td>21</td>
<td>9.1</td>
<td>1,569</td>
<td>501,694</td>
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<tr>
<td>2011</td>
<td>16</td>
<td>4.2</td>
<td>323</td>
<td>280,255</td>
</tr>
<tr>
<td>2012</td>
<td>18</td>
<td>4.4</td>
<td>193</td>
<td>145,920</td>
</tr>
<tr>
<td>2013</td>
<td>17</td>
<td>7.3</td>
<td>263</td>
<td>185,011</td>
</tr>
<tr>
<td>2014</td>
<td>20</td>
<td>11.0</td>
<td>419</td>
<td>473,220</td>
</tr>
<tr>
<td>2015</td>
<td>25</td>
<td>14.5</td>
<td>322</td>
<td>477,897</td>
</tr>
<tr>
<td>2016</td>
<td>33</td>
<td>17.6</td>
<td>1,014</td>
<td>1,393,340</td>
</tr>
</tbody>
</table>
Pipeline Projects Pending

41.20 Bcfd Total
3,069 Miles
as of December 31, 2016
Pipeline Projects Pre-Filing

- Alaska Pipeline (Alaska LNG) (3,500)
- Corpus Christi Pipeline (1,500)
- Valley Expansion (WBI Energy) (40)
- Sooner Trails Pipeline (NextEra Gas) (1,200)
- Midship Pipeline (Cheniere Midstream) (1,400)
- Spire STE Pipeline (800)
- Access Northeast (Algonquin) (825)
- Birdsboro Pipeline (DTE Midstream Appalachia) (79)
- Northeast Supply Enhancement (Transco) (409)
- Driftwood LNG Pipeline (4,000)
- Spire STL Pipeline (400)
- Calcasieu River Ventura Global Pipeline (2,800)
- Birdsboro Pipeline (DTE Midstream Appalachia) (79)
- Valley Expansion (WBI Energy) (40)
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16.25 Bcfd Total 1,822 Miles
as of December 31, 2016
Historical Changes in Fuel Mix

1990 Total Generating Capacity
794 GW

- Natural Gas: 21%
- Coal: 42%
- Nuclear: 14%
- Oil: 9%

2015 Total Generating Capacity
1,183 GW

- Renewable: 18%
- Oil: 4%
- Nuclear: 9%

Source: Based on data derived from Velocity Suite, an ABB company, October 2016.
Future Changes in Fuel Mix

- In next five years, 90,650 MW of new generation expected

<table>
<thead>
<tr>
<th>Category</th>
<th>MW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas</td>
<td>52,577</td>
</tr>
<tr>
<td>Renewables</td>
<td>29,008</td>
</tr>
<tr>
<td>Nuclear</td>
<td>6,346</td>
</tr>
<tr>
<td>Coal</td>
<td>2,720</td>
</tr>
<tr>
<td>Total</td>
<td>90,650</td>
</tr>
</tbody>
</table>

- 69% Wind
- 25% Solar
- 3% Water
- 3% Other Renewables
Thank You!

Terry L. Turpin
Director, Office of Energy Projects
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