The Coal Institute
Summer Trade Seminar
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Dominion Energy
Dominion Energy: Safety

OSHA recordable incident rate

2006: 1.87
2007: 1.40
2008: 1.24
2009: 1.25
2010: 1.08
2011: 0.95
2012: 0.92
2013: 0.83
2014: 0.74
2015: 0.74
2016: 0.66
2017: 0.60
2018: 0.55

71% reduction

Peer average: 1.06

1 Represents the average 2018 OSHA recordable cases incidence rate for the electric utility operations of the 17 peer operating companies that comprise the Southeastern Electric Exchange.
Dominion Energy: Regulated Energy Infrastructure Footprint

- $61B market cap
- $96B assets
- 21,300 employees
- 7.5M customers (total)
- 3.4M customers (elec. utility)
- 3.3M customers (gas utility)
- 18 states of operation
- 10,200 electric trans. miles
- 84,800 electric dist. miles
- 15,900 gas trans. miles
- 92,900 gas dist. miles
- 1.1 Tcf gas storage
- 31GW generation (total capacity)
- 11GW generation (zero-carbon)

Note: Dominion Energy manages Ft. Hood’s electric utility system (located in Texas) which is denoted as a black dot on the map.
Dominion Energy: Scale

Largest U.S. utility companies (by market cap, $B)

By the numbers

- $96B, Total assets, 5th largest
- 21,300, Total employees, 4th largest
- 6.7M, Utility customers, 7th largest
- 3.3M, Gas utility customers, 6th largest
- 2,600, Solar MWs, 4th largest
- 35%, Zero carbon as % of total generation
Dominion Energy: New Emission Reduction Targets

**Dominion Energy carbon emissions (million metric tons)**

- Achieved 27 million metric ton reduction (47%) since 2005

**Supplemental target:**
- 55% reduction in carbon emissions by 2030 (vs. 2005)
- 80% reduction by 2050 (vs. 2005)

**Strategy to achieve target**
- Continue transition to cleaner generation, including development of additional renewable energy (solar and wind)
- Pursue extension of licenses for nuclear units, which provide carbon-free generation
- Modernize infrastructure across electric and natural gas operations to support additional renewable capacity
- Enhance conservation and energy efficiency programs at the customer level
## Dominion Energy: New Emission Reduction Targets

<table>
<thead>
<tr>
<th>Intensity targets announced in Dec. 2018</th>
<th>Supplemental March 2019 emissions targets</th>
</tr>
</thead>
<tbody>
<tr>
<td>60% reduction in carbon intensity by 2030 (vs. 2000)</td>
<td>55% reduction in carbon emissions by 2030 (vs. 2005)</td>
</tr>
<tr>
<td>50% reduction in methane intensity by 2030 (vs. 2010)</td>
<td>50% reduction in methane emissions by 2030 (vs. 2010)</td>
</tr>
</tbody>
</table>

Note: Carbon and methane emissions reductions targets do not include the Southeast Energy Group. The company expects to update its targets to include the Southeast Energy Group later this year.
CAPP Coal Production & Shipment to Domestic Power Plants

Data Source: EIA

- 62% of Production to Power Plants
- 24% of Production to Power Plants
- Domestic Met + Export (Met + Steam)

Compound Quarterly Growth Rate (CQGR) = -4%
CQGR = 1%
Compound Quarterly Growth Rate = -6%
CQGR = -3%
NAPP Coal Production & Shipment to Domestic Power Plants

Data Source: EIA

- 76% of Production to Power Plants
- 86% of Production to Power Plants

Compound Quarterly Growth Rate = -1%
DEV Coal Consumption

Data Source: EIA

Coal Burns (000 tons)
Henry Hub Prices ($/mmbtu)

CAGR = -8%

Coal Burns
Avg Henry Hub Price

DEV Gas Consumption

NG Consumption (bcf)

CAGR ('10-'18) = 14%
Power Price & Monthly Coal Dispatch Cost

Data Source: EIA

- PJM West RTC Prices
- Southeast CAPP Plant (Freight + Market FOB)
- Southeast NAPP Plant (Freight + Market FOB)
Coal Plant Capacity Factors: SO, DUK, SCANA, D

Data Source: EIA
Coal Plant Capacity Factors: SO, DUK, SCANA, D (Monthly)

Data Source: EIA
<table>
<thead>
<tr>
<th>Coal Plant Name</th>
<th>Avg MTPY</th>
<th>Coal Basin Share</th>
<th>Avg Capacity Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>VCHEC</td>
<td>1.9</td>
<td>100% CAPP</td>
<td>70%</td>
</tr>
<tr>
<td>Mt Storm</td>
<td>2.9</td>
<td>100% NAPP</td>
<td>59%</td>
</tr>
<tr>
<td>Clover</td>
<td>1.5</td>
<td>100% CAPP</td>
<td>60%</td>
</tr>
<tr>
<td>Chesterfield</td>
<td>1.5</td>
<td>60% CAPP-40% NAPP</td>
<td>50%</td>
</tr>
<tr>
<td>Wateree</td>
<td>1.5</td>
<td>88% CAPP-12% NAPP</td>
<td>65%</td>
</tr>
<tr>
<td>Cope</td>
<td>0.7</td>
<td>100% CAPP</td>
<td>66%</td>
</tr>
<tr>
<td>Williams</td>
<td>1.2</td>
<td>100% CAPP</td>
<td>70%</td>
</tr>
</tbody>
</table>

Data Source: EIA
Thank You!