OE ENERGY
MARKET SNAPSHOT
East Version – October 2016 Data

Office of Enforcement
Federal Energy Regulatory Commission
November 2016
Natural Gas and Fuels Markets
East
Northeast Day-Ahead Prices
Averaged Annually/Seasonally

<table>
<thead>
<tr>
<th></th>
<th>Average Day Ahead Prices ($/MMBtu)</th>
<th>Algonquin Citygates</th>
<th>Transco Zone 6 NY</th>
<th>Transco Zone 6 Non-NY</th>
<th>Columbia Appalachia</th>
<th>Henry Hub</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Annual</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>6.95</td>
<td>5.11</td>
<td>4.03</td>
<td>3.72</td>
<td>3.72</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Summer</td>
<td>4.24</td>
<td>3.92</td>
<td>3.84</td>
<td>3.77</td>
<td>3.76</td>
</tr>
<tr>
<td></td>
<td>Winter 2013/2014</td>
<td>15.76</td>
<td>11.40</td>
<td>9.66</td>
<td>4.60</td>
<td>4.61</td>
</tr>
<tr>
<td>2014</td>
<td>7.95</td>
<td>6.22</td>
<td>5.98</td>
<td>4.30</td>
<td>4.32</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Summer</td>
<td>3.50</td>
<td>2.89</td>
<td>3.53</td>
<td>4.14</td>
<td>4.18</td>
</tr>
<tr>
<td></td>
<td>Winter 2014/2015</td>
<td>9.17</td>
<td>6.68</td>
<td>5.25</td>
<td>3.15</td>
<td>3.21</td>
</tr>
<tr>
<td>2015</td>
<td>4.71</td>
<td>3.77</td>
<td>3.33</td>
<td>2.51</td>
<td>2.60</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Summer</td>
<td>2.51</td>
<td>2.25</td>
<td>2.53</td>
<td>2.58</td>
<td>2.67</td>
</tr>
<tr>
<td></td>
<td>Winter 2015/2016</td>
<td>3.18</td>
<td>2.26</td>
<td>2.11</td>
<td>1.86</td>
<td>1.97</td>
</tr>
<tr>
<td>2016 YTD</td>
<td>2.85</td>
<td>1.95</td>
<td>2.03</td>
<td>2.26</td>
<td>2.38</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Summer</td>
<td>2.60</td>
<td>1.66</td>
<td>1.93</td>
<td>2.43</td>
<td>2.55</td>
</tr>
<tr>
<td></td>
<td>Winter 2016/2017</td>
<td>1.95</td>
<td>1.60</td>
<td>1.72</td>
<td>2.19</td>
<td>2.53</td>
</tr>
</tbody>
</table>

Notes: Updated Nov-2016

Source: Derived from ICE data
Northeast Day-Ahead Prices

Source: Derived from ICE data

Notes:

Updated Nov-2016
Northeast Monthly Average Basis Value To Henry Hub

Source: Derived from ICE data

Notes:

Updated Nov-2016
Daily Northeast Natural Gas Demand All Sectors

Source: Derived from Bentek Energy data

Note: Northeast is defined as Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Delaware, Maryland, Virginia, West Virginia, Ohio and Kentucky

Updated: Oct 2015
Northeast Natural Gas Market Overview: NG Consumption for Power Generation

Northeast Natural Gas Consumption for Power Generation

Source: Derived from Bentek Energy data

Note: Northeast is defined as Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Delaware, Maryland, Virginia, West Virginia, Ohio and Kentucky

Updated: Oct 2015
## Southeast Natural Gas Market: Annual Hub Prices

### Southeast Day-Ahead Prices
Averaged Annually/Seasonally

<table>
<thead>
<tr>
<th>Year</th>
<th>Average Day Ahead Prices ($/MMBtu)</th>
<th>FGT Z3</th>
<th>Tetco-M1</th>
<th>Transco St 65</th>
<th>Transco Zone 5</th>
<th>Henry Hub</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>Annual</td>
<td>3.77</td>
<td>3.66</td>
<td>3.71</td>
<td>4.07</td>
<td>3.72</td>
</tr>
<tr>
<td></td>
<td>Summer</td>
<td>3.83</td>
<td>3.68</td>
<td>3.74</td>
<td>3.95</td>
<td>3.76</td>
</tr>
<tr>
<td></td>
<td>Winter 2013/2014</td>
<td>4.62</td>
<td>4.61</td>
<td>4.60</td>
<td>12.42</td>
<td>4.61</td>
</tr>
<tr>
<td>2014</td>
<td>Annual</td>
<td>4.34</td>
<td>4.28</td>
<td>4.30</td>
<td>7.50</td>
<td>4.32</td>
</tr>
<tr>
<td></td>
<td>Summer</td>
<td>4.21</td>
<td>4.12</td>
<td>4.16</td>
<td>4.17</td>
<td>4.18</td>
</tr>
<tr>
<td></td>
<td>Winter 2014/2015</td>
<td>3.21</td>
<td>3.14</td>
<td>3.19</td>
<td>5.40</td>
<td>3.21</td>
</tr>
<tr>
<td>2015</td>
<td>Annual</td>
<td>2.62</td>
<td>2.53</td>
<td>2.58</td>
<td>3.53</td>
<td>2.60</td>
</tr>
<tr>
<td></td>
<td>Summer</td>
<td>2.69</td>
<td>2.58</td>
<td>2.65</td>
<td>2.72</td>
<td>2.67</td>
</tr>
<tr>
<td></td>
<td>Winter 2015/2016</td>
<td>1.99</td>
<td>1.91</td>
<td>1.95</td>
<td>2.28</td>
<td>1.97</td>
</tr>
<tr>
<td>2016 YTD</td>
<td>Annual</td>
<td>2.38</td>
<td>2.30</td>
<td>2.33</td>
<td>2.09</td>
<td>2.38</td>
</tr>
<tr>
<td></td>
<td>Summer</td>
<td>2.54</td>
<td>2.47</td>
<td>2.50</td>
<td>1.96</td>
<td>2.55</td>
</tr>
<tr>
<td></td>
<td>Winter 2016/2017</td>
<td>2.42</td>
<td>2.29</td>
<td>2.38</td>
<td>1.97</td>
<td>2.53</td>
</tr>
</tbody>
</table>

**Notes:**
Source: Derived from ICE data

Updated Nov-2016
Southeast Natural Gas Market: Day-Ahead Prices

Southeast Day-Ahead Prices

Source: Derived from ICE data

Updated Nov-2016
Southeast Natural Gas Market: Day Ahead Basis To Henry Hub

Southeast Day-Ahead Basis

$50

$40

$30

$20

$10

$0

$-10

Day Ahead Basis ($/MMBtu)


Tetco-M1 Basis

Transco St 65 Basis

FGT Z3 Basis

Transco Zone 5 Basis

30D Moving Avg

Source: Derived from ICE data

Updated Nov-2016
Southeast Monthly Average Basis Value To Henry Hub

Day-Ahead Prices Averaged Monthly ($/MMBtu)

- $9.00
- $8.00
- $7.00
- $6.00
- $5.00
- $4.00
- $3.00
- $2.00
- $1.00
- $0.00
- $(1.00)
- $(2.00)

FGT Z3 Basis
Tetco-M1 Basis
Transco St 65 Basis
Transco Zone 5 Basis

Source: Derived from ICE data
Updated Nov-2016
Southeast Natural Gas Market: Daily Demand

Daily Southeast Natural Gas Demand All Sectors

Source: Derived from Bentek Energy data

Note: Southeast is defined as North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Arkansas, and Tennessee.

Updated: Oct 2015
Southeast Natural Gas Market: NG Consumption for Power Generation

Southeast Natural Gas Consumption for Power Generation

Source: Derived from Bentek Energy data

Note: Southeast is defined as North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Arkansas, and Tennessee.

Updated: Oct 2015