West Natural Gas Market: Regional Map

West Natural Gas Region

Federal Energy Regulatory Commission Market Assessments

[Map of the West Natural Gas Region with major gas trading hubs marked.]
## West Natural Gas Market: Annual Hub Prices

### West Day-Ahead Natural Gas Prices

**Averaged Annually/Seasonally**

<table>
<thead>
<tr>
<th></th>
<th>SoCal Border</th>
<th>Opal Wyoming Plant</th>
<th>El Paso Permian</th>
<th>PG&amp;E Malin Oregon</th>
<th>Henry Hub</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Average Day Ahead Prices ($/MMBtu)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2018 Annual</td>
<td>2.92</td>
<td>2.75</td>
<td>2.03</td>
<td>2.77</td>
<td>3.12</td>
</tr>
<tr>
<td>2018 Summer</td>
<td>2.74</td>
<td>2.33</td>
<td>1.88</td>
<td>2.37</td>
<td>2.91</td>
</tr>
<tr>
<td>Winter 2018/2019</td>
<td>4.01</td>
<td>4.64</td>
<td>1.93</td>
<td>4.68</td>
<td>3.33</td>
</tr>
<tr>
<td>2019 Annual</td>
<td>2.67</td>
<td>2.78</td>
<td>1.11</td>
<td>2.83</td>
<td>2.51</td>
</tr>
<tr>
<td>2019 Summer</td>
<td>2.10</td>
<td>1.97</td>
<td>0.79</td>
<td>2.02</td>
<td>2.39</td>
</tr>
<tr>
<td>Winter 2019/2020</td>
<td>2.17</td>
<td>2.23</td>
<td>1.06</td>
<td>2.27</td>
<td>2.07</td>
</tr>
<tr>
<td>2020 Annual</td>
<td>2.17</td>
<td>2.03</td>
<td>1.32</td>
<td>2.06</td>
<td>1.99</td>
</tr>
<tr>
<td>2020 Summer</td>
<td>2.07</td>
<td>1.81</td>
<td>1.24</td>
<td>1.83</td>
<td>1.88</td>
</tr>
<tr>
<td>Winter 2020/2021</td>
<td>3.09</td>
<td>3.13</td>
<td>2.26</td>
<td>3.19</td>
<td>2.56</td>
</tr>
</tbody>
</table>

Source: Data derived from Bloomberg Platts data

Updated Jan-2021
### West Natural Gas Market: Day-Ahead Prices

#### West Daily Day-Ahead Prices

**Source:** Data derived from Bloomberg Platts data

<table>
<thead>
<tr>
<th>Location</th>
<th>Jan-18</th>
<th>Jan-19</th>
<th>Jan-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>SoCal Border Opal Wyoming Plant</td>
<td>-$5</td>
<td>$0</td>
<td>$5</td>
</tr>
<tr>
<td>El Paso Permian</td>
<td>$5</td>
<td>$10</td>
<td>$15</td>
</tr>
<tr>
<td>PG&amp;E Malin Oregon</td>
<td>$10</td>
<td>$15</td>
<td>$20</td>
</tr>
</tbody>
</table>

**30 Day Moving Avg**

- Jan-18
- Jan-19
- Jan-20

**Graph Details:**
- **Y-axis:** Spot Day-Ahead Prices ($/MMBtu)
- **X-axis:** Jan-19 to Nov-20
- **Legend:**
  - SoCal Border
  - Opal Wyoming Plant
  - El Paso Permian
  - PG&E Malin Oregon

**Updated Jan-2021**
West Natural Gas Market: Day-Ahead Basis to the Henry Hub

West Daily Day-Ahead Basis

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Source: Data derived from Bloomberg Platts data  Updated  Jan-2021
West Natural Gas Market: Day Ahead Basis Averaged Monthly

West Day-Ahead Basis Averaged Monthly

Federal Energy Regulatory Commission  Market Assessments

Source: Data derived from Bloomberg Platts data  Updated  Jan-2021
Daily Rockies Natural Gas Demand All Sectors

Source: Derived from Bentek Energy data

Updated Jan-2021
West Natural Gas Market: Daily Demand

Daily Southwest and Northwest Natural Gas Demand All Sectors

Federal Energy Regulatory Commission Market Assessments

Source: Derived from Bentek Energy data

Note: Data derived from interstate natural gas pipeline flows.

Updated Jan-2021
West Natural Gas Consumption for Power Generation

Federal Energy Regulatory Commission  Market Assessments

Source: Derived from Bentek Energy data

Updated  Jan-2021