Eastern Ohio Shale Dashboard - December 1st, 2017

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**Eastern Ohio Shale Dashboard**

**December 1st, 2017**

### Potentially Created Jobs by County

<table>
<thead>
<tr>
<th>County</th>
<th>Jobs Created</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monroe</td>
<td>Blue吃饱</td>
</tr>
<tr>
<td>Belmont</td>
<td>Green吃饱</td>
</tr>
<tr>
<td>Jefferson</td>
<td>Yellow吃饱</td>
</tr>
<tr>
<td>Guernsey</td>
<td>Orange吃饱</td>
</tr>
<tr>
<td>Harrison</td>
<td>Blue吃饱</td>
</tr>
<tr>
<td>Noble</td>
<td>Green吃饱</td>
</tr>
<tr>
<td>Carroll</td>
<td>Yellow吃饱</td>
</tr>
<tr>
<td>Columbiana</td>
<td>Orange吃饱</td>
</tr>
</tbody>
</table>

Source: ODNR, CSU Center for Economic Development; as of November 4th, 2017

Note: Jobs are calculated with quarterly coefficients.

### Shale Indicators

#### New Well Count

- **Q2'17 - Q3'17**
- **Year Change***: +40%

#### Employment

- **Quarter 3**
- **12,482**
- **Year Change***: +30%

#### WTI Oil Price per Barrel

- **Quarter 3**
- **$51.67**
- **Year Change***: +8%

#### Sales Tax

- **$18.5 m**
- **Year Change***: +10%

### Shale Insights

- **Saudi Arabia and Russia push** to extend an agreement to limit petroleum production. The OPEC cartel and non-OPEC producers are developing a pact to cut output throughout 2018 and reduce global oil oversupply.

- **WTI crude oil prices** have fluctuated dramatically in late October and November among news of political unrest and stockpile adjustments. Prices hover around $56 per bbl as of Nov. 17th, near its two-year high.

- **EIA forecasts** record-breaking US crude oil production in 2018, at 9.9 million barrels per day, breaking the previous record of 9.6 million set in 1970. US dry natural gas production in 2018 is projected to be 78.9 bcf/d, which is 5.4 higher than 2017.

- **The NEXUS natural gas pipeline** is starting construction in 2017, after receiving permission from the Federal Energy Regulatory Commission in October 2017. Construction is expected to take ten months.

- **Shell ethane cracker development in Beaver County, PA under construction;** PTT Global signs memorandum of understanding on Oct. 2nd with JobsOhio regarding potential Belmont County, OH ethane cracker

*Note: Year changes are calculated from the current quarter to the same quarter the year before.*