Eastern Ohio Shale & Housing Dashboard - Quarters 1&2, 2016

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**Repository Citation**

Hexter, Kathryn W.; Lendel, Iryna; Post, Charlie; Downer, Nick; and Martis, Sydney, "Eastern Ohio Shale & Housing Dashboard - Quarters 1&2, 2016" (2016). *All Maxine Goodman Levin School of Urban Affairs Publications*. 0 1 2 3 1383.

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### Eastern Ohio Shale & Housing Dashboard

**Quarter 1 - Quarter 2, 2016**

#### Potentially Created Jobs by County

<table>
<thead>
<tr>
<th>County</th>
<th>New Well Count</th>
<th>Quarter Change</th>
<th>Year Change*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belmont</td>
<td>67</td>
<td>+29%</td>
<td>-50%</td>
</tr>
<tr>
<td>Monroe</td>
<td>29</td>
<td>-1%</td>
<td>-46%</td>
</tr>
<tr>
<td>Harrison</td>
<td>30</td>
<td>+22%</td>
<td>+7%</td>
</tr>
<tr>
<td>Noble</td>
<td>45</td>
<td>+22%</td>
<td>+7%</td>
</tr>
<tr>
<td>Carroll</td>
<td>15</td>
<td>+22%</td>
<td>+7%</td>
</tr>
<tr>
<td>Jefferson</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Columbiana</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

#### Shale Indicators

**Quarter 2 (06/29/2016)**

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Change</th>
<th>Year Change</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>New Well Count</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Employment</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WTI Oil Price per Barrel</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Housing Indicators</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Number of Home Sales</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Median Sale Price</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Median Days on Market</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Multifamily Rent per Square Foot</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Multifamily Rental Vacancy Rate</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Utica Upstream and Midstream Activities

**Map**

- **Drilling**
- **Drilled**
- **Producing**

**Status**

- **Fractionation Plants**
  - Belleracer
  - Markwest
  - Utica East Ohio

- **Cryogenic Processing Plants**
  - Belleracer
  - Markwest
  - Pennant
  - Utica East Ohio

- **De-Ethanization Plants**
  - Markwest

- **Gathering Pipelines**
  - Belleracer
  - Antero
  - Markwest
  - Magnum Hunter
  - Other

**Source:** ODNR, Center for Economic Development; as of June 25 2016

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### Source

- **Belmont**
- **Carroll**
- **Columbiana**
- **Guernsey**
- **Harrison**
- **Jefferson**
- **Monroe**
- **Noble**

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

Renters Cost Burdened >30%
2012  Trend 2012-2014  2014
<60% HAMFI  71.9%  66.7%
>60% HAMFI  4.6%  10.1%

 Owners Cost Burdened >30%
2012  Trend 2012-2014  2014
<60% HAMFI  53.6%  57.6%
>60% HAMFI  7.6%  8.9%

Housing Summary

Market Trends. Despite fluctuations in the price of oil and employment in the industry, the housing markets in the eastern Ohio region have remained relatively stable since 2012.

Vacancy. Multifamily rental and owner vacancy rates indicate that markets are the tightest for low income renters, with little change in vacancy rates over time.

Cost Burden. More than half of low-income renters and owners were cost burdened in 2014. The percentage of cost burdened renters declined since 2012, while the percentage of cost burdened homeowners increased.

Sales Price. Median home sale price in the region was $80,000 in 2016. 60% of home sales were less than $100,000. The annual rate of increase has declined since 2014.

Housing Availability

Multifamily Vacancy Rate
2012  Trend 2012-2016  2016
Affordable  3.2%  3.4%
Market  7.7%  7.7%

Owner Vacancy Rate
8-County 2012  Trend 2012-2014  2014
Study Area 11%  12.7%

Multifamily Rent per Square Foot, Q1 2012 - Q1 2016

Shale Activity Begins in Ohio

Source: Costar

Prepared by the Center for Economic Development and the Center for Community Planning & Development

Maxine Goodman Levin College of Urban Affairs