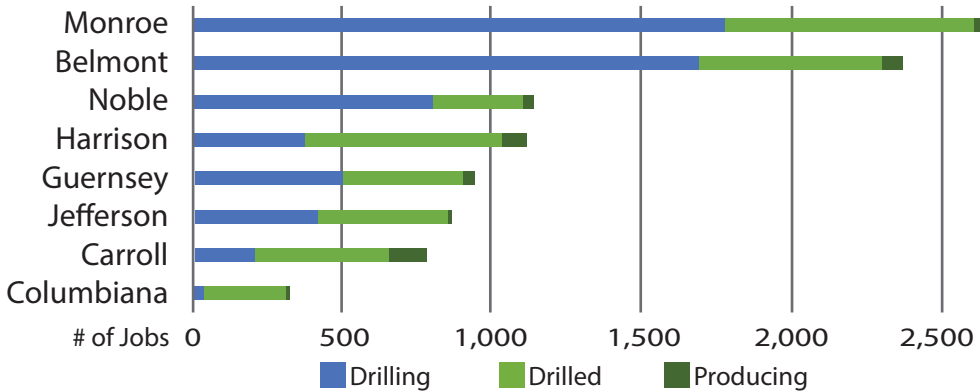


Eastern Ohio Shale & Housing Dashboard

January 1, 2017

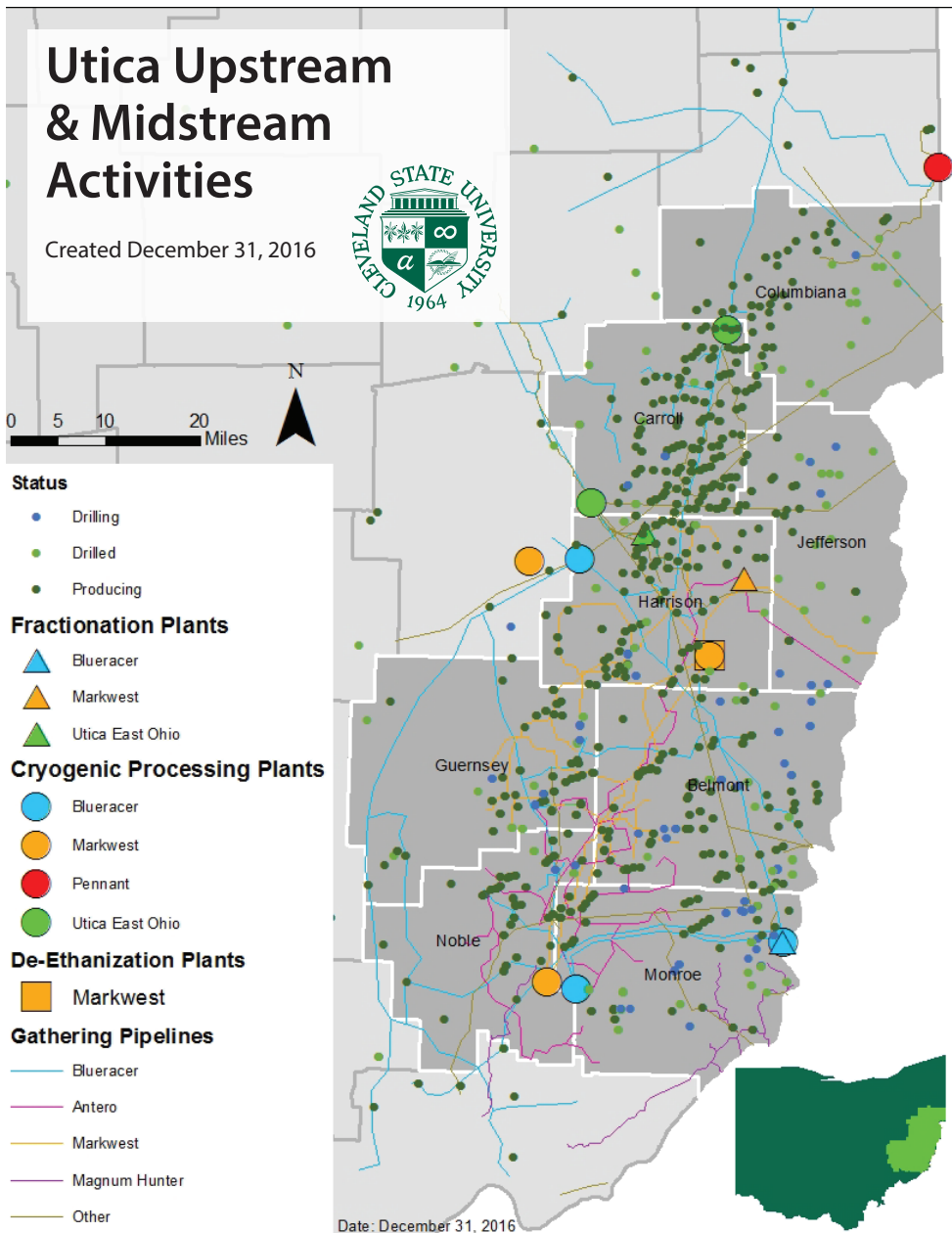
Potentially Created Jobs by County



Source: ODNR, Center for Economic Development; as of December 31, 2016
 Note: Jobs are calculated with quarterly coefficients.

Utica Upstream & Midstream Activities

Created December 31, 2016



Date: December 31, 2016

Source: ODNR, Center for Economic Development

Shale Indicators

Quarter Change Quarter 4 Year Change*

New Well Count

Source: ODNR



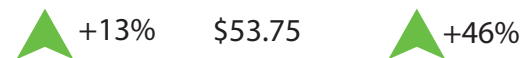
Employment

Source: CSU



WTI Oil Price per Barrel

Source: FRED



Sales Tax

Source: Department of Taxation (Quarter 4)



Housing Indicators

Quarter Change Quarter 3 Year Change

Number of Home Sales

Source: MLS



Median Sale Price

Source: MLS



Median Days on Market

Source: MLS



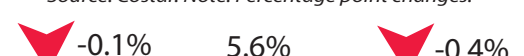
Multifamily Rent per Square Foot

Source: Costar



Multifamily Rental Vacancy Rate

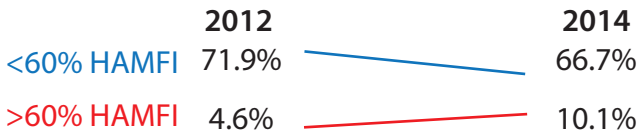
Source: Costar. Note: Percentage point changes.



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

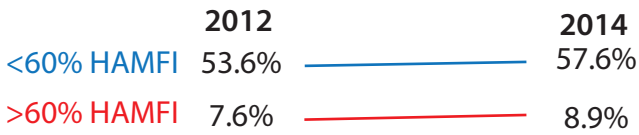
Housing Affordability

Renters Cost Burdened >30%



Source: IPUMS-USA, University of Minnesota, www.ipums.org

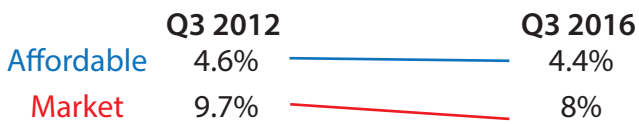
Owners Cost Burdened >30%



Source: IPUMS-USA, University of Minnesota, www.ipums.org

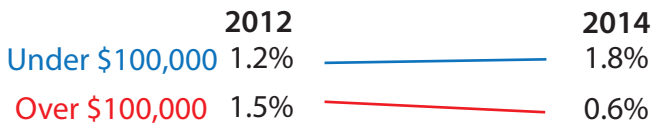
Housing Availability

Multifamily Vacancy Rate



Source: Costar

Owner Vacancy Rate



Source: ACS Public Use Microdata Sample, 2012 and 2014

Housing Summary

Market Trends. Housing activity tends to slow in the third quarter. Overall, the third quarter housing indicators for the eight counties are consistent with this and reflect little change in the housing market.

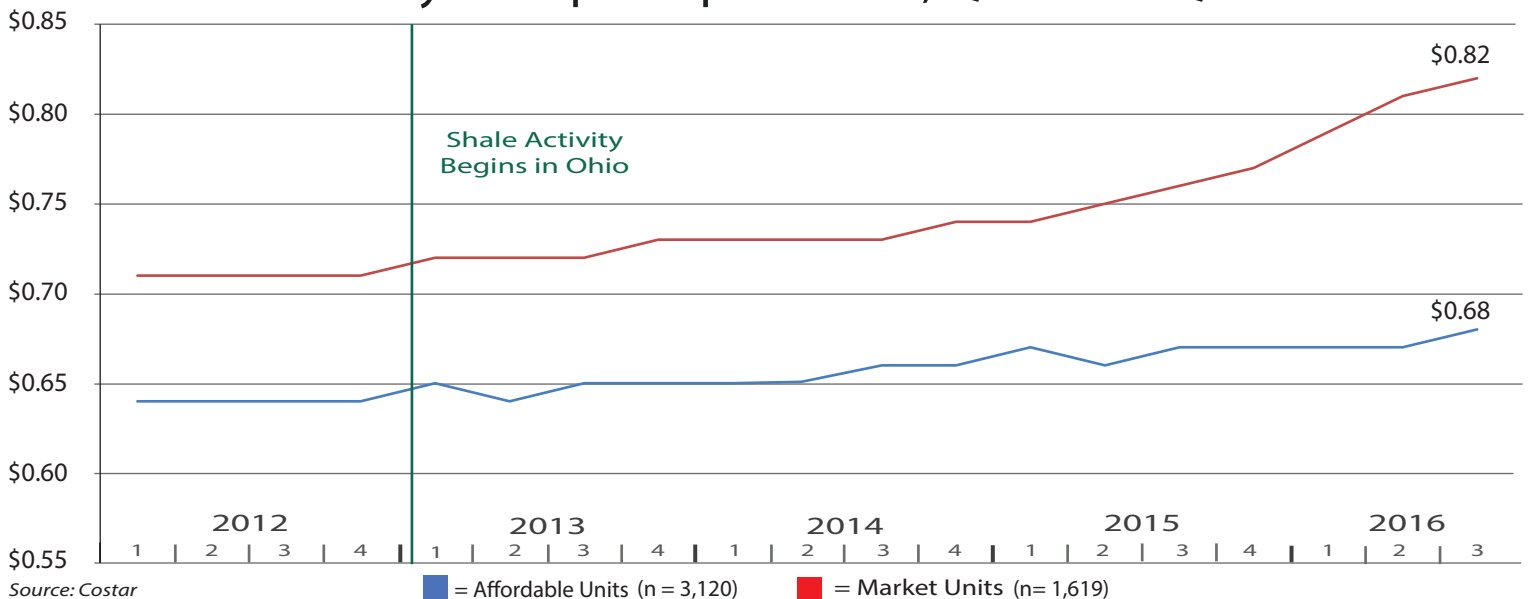
Vacancy. The quarterly slowdown is reflected by the increase in median days on the market, which is up 18% from the second quarter. The decline of 3.7% from this time last year indicates that the market is stable and improving slightly. Rental vacancy rates went down, indicating a slight tightening of the rental market as well.

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.

*Note: Cost burden data could not be updated due to data limitations.

Sales Price. Home sales activity increased slightly by 0.7% from Q2 to Q3 and median sales price gained 1.9%, indicators of a stabilizing for-sale housing market. Overall, median rents hovered around 72 cents per square foot; market units continued a slight upward trend, with rents rising 1.2%.

Multifamily Rent per Square Foot, Q1 2012 - Q3 2016



Source: Costar