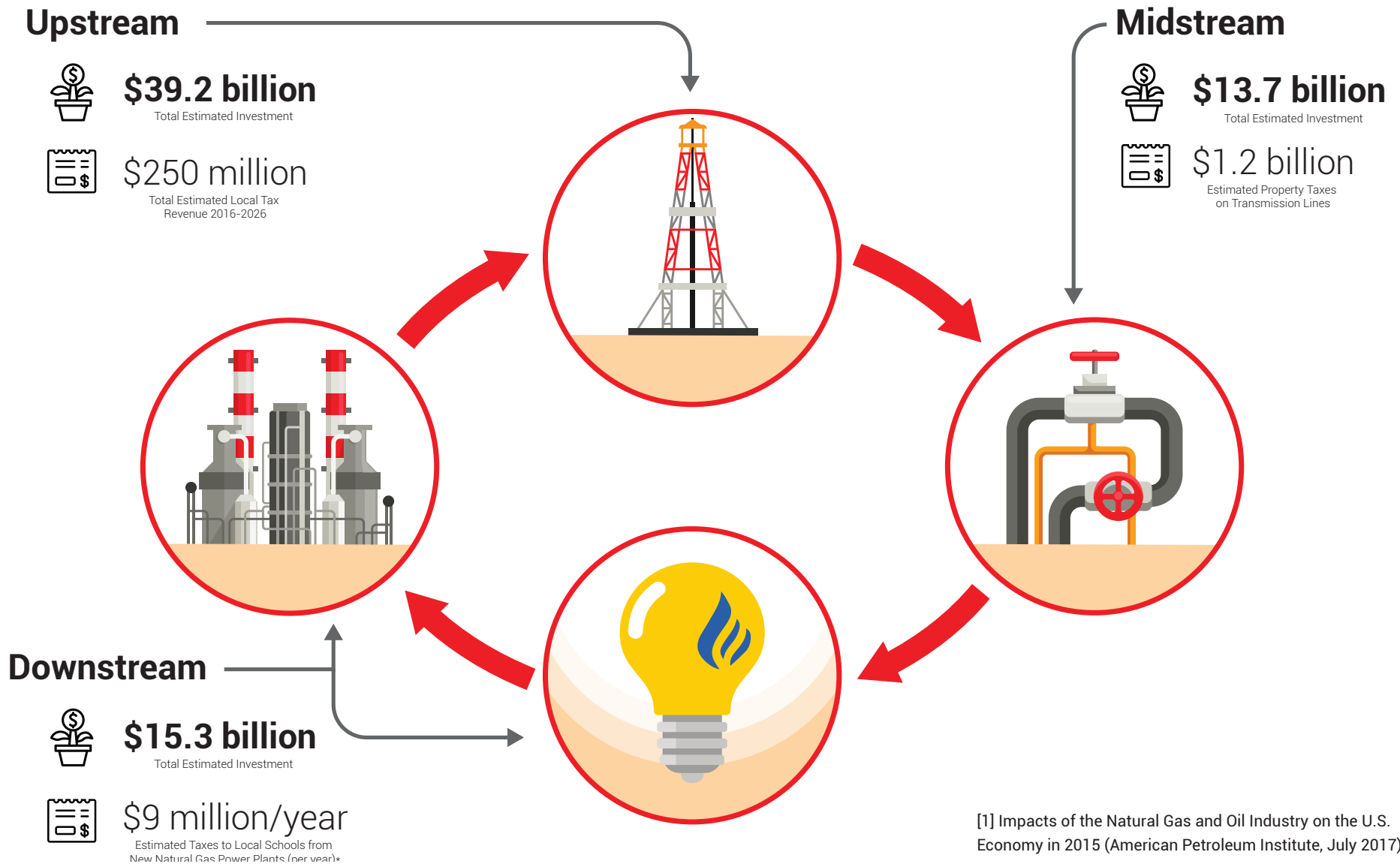


## Shale is Powering Ohio's Economy

The natural gas and oil industry supported **262,800 jobs** and contributed \$37.94 billion to Ohio's economy in 2015 alone!<sup>[1]</sup> In fact, the Ohio Laborers' District Council is working more hours than any other state, and the estimated economic investment from upstream, midstream and downstream is staggering.



[1] Impacts of the Natural Gas and Oil Industry on the U.S. Economy in 2015 (American Petroleum Institute, July 2017).

### Total Estimated Upstream Utica Investment & Taxes Through Q1 2016<sup>2</sup>

|   |                       |
|---|-----------------------|
| Land Investments  | \$18.8 Billion        |
| Drilling Costs  | \$14.8 Billion        |
| Road Construction & Maintenance                                     | \$888 Million         |
| Operating Expense and Gathering Lines                               | \$3 Billion           |
| Royalties paid to Mineral Owners                                    | \$1.6 Billion         |
| <b>Total Estimated Investment</b>                                   | <b>\$39.2 Billion</b> |
| Total Estimated Local Tax Revenue from Ad Valorem Paid Through 2015 | \$45.8 Million        |
| Total Estimated Local Tax Revenue from Ad Valorem Paid 2016-2026    | \$250 Million         |

[2] Source Cleveland State University & Energy In Depth

| <b>Total Estimated Midstream Investment, Through Q1 2016<sup>3</sup></b> |                       |
|--|-----------------------|
| Estimated Investment for Gathering Lines                                 | \$3.1 Billion         |
| Estimated Investment for Processing Plants                               | \$1.1 Billion         |
| Estimated Investment for Fractionation Plants                            | \$1 Billion           |
| Estimated Investment for Storage Tanks                                   | \$234 Million         |
| Railroad Terminals   | \$117 Million         |
| Interstate Transmission Lines <sup>4</sup>                               | \$7.95 Billion        |
| <b>Total Estimated Midstream Investment</b>                              | <b>\$13.7 Billion</b> |
| Estimated Property Taxes on Transmission Lines                           | \$1.2 Billion         |

[3] Assumes all 5 projects in various stages of development and taxes for all five projects for five years total

[4] Source Cleveland State University & Energy In Depth

| <b>Total Estimated Downstream Investment, Through Q1 20165</b>                 |                       |
|--|-----------------------|
| Petrochemical Plants (Invested to date)  | \$315 Million         |
| PTT Global Chemical  | \$5 Billion           |
| New Natural Gas Electric Power Plants <sup>6</sup>                             | \$10 Billion          |
| Combined Heat and Power Plants   | \$4.5 Million         |
| Natural Gas Refueling Stations   | \$37.6 Million        |
| <b>Total Estimated Downstream Investment</b>                                   | <b>\$15.3 Billion</b> |
| Estimated Taxes to Local Schools from New Natural Gas Power Plants (per year)* | \$9 Million/year      |

[5] Assumes 11 Natural Gas Power Plants in various stages of development

[6] Source Cleveland State University, Bricker & Eckler & Energy In Depth