

Ohio 2022 Energy Sector Industry Contribution Analysis

Electric Power Generation Biomass

Report prepared November 2022 by Eric Romich, Associate Professor, OSU Extension Community Development

Technical Report #
OER-BPG-122022

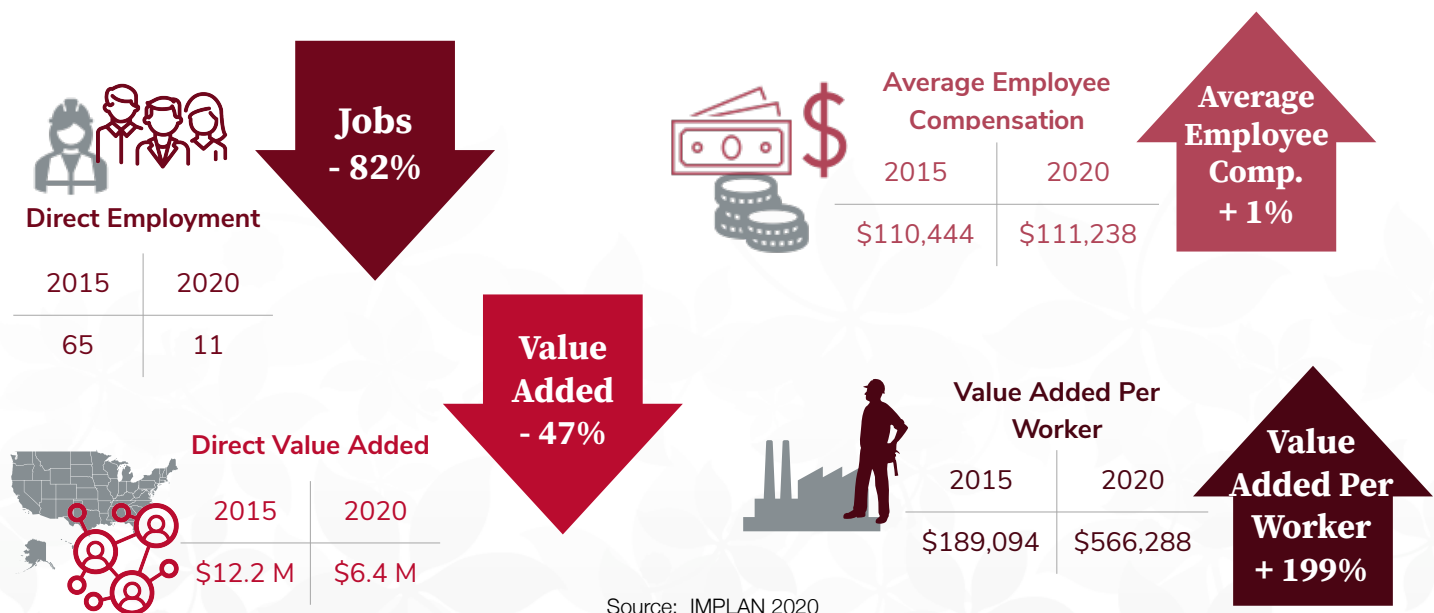
Total employment impact for the biomass electric generation industry in 2020 was 53 total jobs which consisted of 11 jobs directly associated with the biomass electric generation industry, 25 indirect jobs as a result of business to business transactions, and 17 induced jobs supported by household spending. The biomass electric generation industry contributed a total of \$10.7 million in value added, including \$6.4 million in direct value added, \$2.7 million in indirect value added, and \$1.5 million of induced value added. In summary, in 2020 the biomass electric generation industry accounted for 0.1% of both the Ohio energy sectors total employment and the total value added. This technical bulletin summarizes the

Table 1: Biomass Electric Generation Impact Summary (2020)

| Impact | Jobs | Value Added |
|--------------|-----------|-----------------|
| Direct | 11 | \$6.4 M |
| Indirect | 25 | \$2.7 M |
| Induced | 17 | \$1.5 M |
| Total | 53 | \$10.7 M |

“direct” contribution trends of the biomass electric generation industry to the Ohio economy, direct employment by county, and top industries impacted by employment. For additional information, please refer to the 2022 Ohio Energy Industry Contribution Analysis bulletin #OER-122022.

Ohio 5-Year Trends of Direct Contribution



Ohio Biomass Electric Generation Direct Employment by County (2020)



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Modeling Software

IMPLAN® model, 2020 Data, using inputs provided by the user and IMPLAN Group LLC, IMPLAN System (data and software), 16905 Northcross Dr., Suite 120, Huntersville, NC 28078. www.IMPLAN.com

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Table 2: Biomass Electric Generation Employment Impact Top 10 Industries (2020)

| Industry | Direct | Indirect | Induced | Total |
|---|--------|----------|---------|-------|
| Electric power generation - Biomass | 11 | 0 | 0 | 11 |
| Employment services | 0 | 6 | 0 | 6 |
| Full-service restaurants | 0 | 1 | 1 | 2 |
| Other real estate | 0 | 1 | 1 | 2 |
| Scenic and sightseeing transportation and support activities for transportation | 0 | 1 | 0 | 1 |
| Hospitals | 0 | 0 | 1 | 1 |
| Truck transportation | 0 | 1 | 0 | 1 |
| Other local government enterprises | 0 | 1 | 0 | 1 |
| Limited-service restaurants | 0 | 0 | 1 | 1 |
| Scientific research and development services | 0 | 1 | 0 | 1 |

Source: IMPLAN 2020



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