Community Microgrids

DESCRIPTION
Community Microgrids develops microgrid systems throughout Massachusetts for a mix of residential, commercial, and institutional consumers. These microgrid systems consist of distributed energy generation sources, including solar photovoltaics, battery storage technology, combined heat and power (CHP) plants, hydrogen fuel cells, and backup generators.

BENEFITS
Microgrids generate clean and reliable energy to households and businesses, make the grid more resilient, and increase energy security. Investments in Community Microgrids develop new workforce opportunities in battery and electrical component manufacturing, construction, and engineering, and support jobs in the broader economy in the long-term by lowering utility costs for households and businesses.

RESULTS
Supports 9.0 jobs per million dollars invested, compared to 7.8 jobs per million dollars in the state’s ten largest industries. Lower fossil fuel consumption from Community Microgrids investments creates nearly $660,000 in energy cost savings, improved public health, and climate benefits per million dollars invested.

JOBS PER MILLION INVESTED
- Community Microgrids: 9.0 Jobs
- State’s Ten Largest Industries: 7.8 Jobs

TOP OCCUPATIONS
1. Electrical, Electronic, and Electromechanical Assemblers
2. General and Operations Managers
3. Miscellaneous Assemblers and Fabricators
4. Freight, Stock, and Material Movers
5. Wholesale Manufacturing Sales Representatives

BENEFITS PER MILLION INVESTED
- Energy Cost Savings: $443,100
  - Energy costs avoided by reducing grid reliance
- Air Pollution Health Benefits: $101,300
  - Saved lives and avoided illnesses from improved air quality
- Climate Benefits: $114,300
  - Avoided future damages of climate change from greenhouse gas pollution

Total Benefits: $658,700

These findings are an excerpt from Investing in a Better Massachusetts: An Analysis of Jobs and Community Benefits from Green Investments. Read the full report here.