

FRANKLIN COUNTY ENERGY STUDY

July 12, 2018



Mid-Ohio Regional
Planning Commission

Exclusive: County/MORPC report says changing energy policies, usage will save \$500M a year

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Franklin County residents and businesses spend \$4.4 billion a year on energy, of which nearly 70 percent goes to waste.

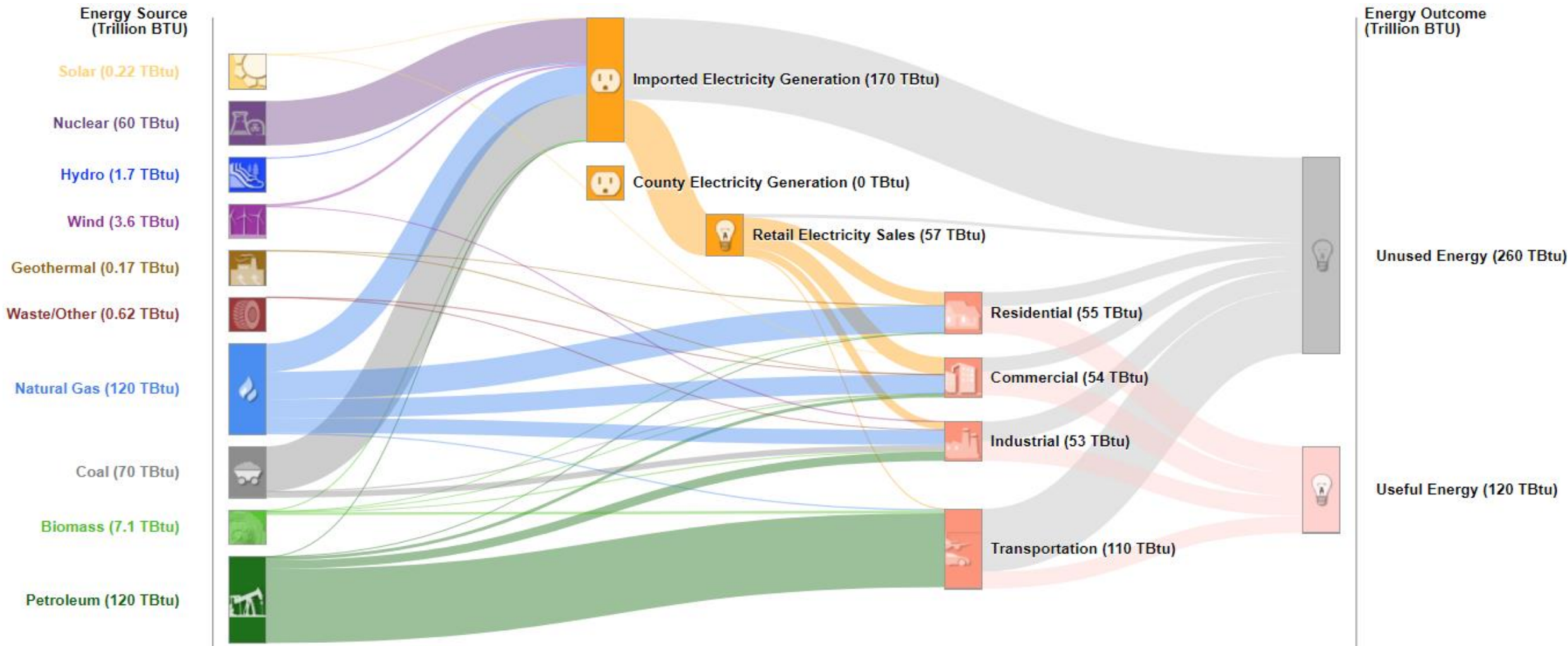
That's one of the surprising numbers found in the county's just-completed six-year energy study that tracked usage and inefficiency. Armed with that knowledge, county officials and the Mid-Ohio Regional Planning Commission say they will start a push to save hundreds of millions of dollars and better grow the local economy.

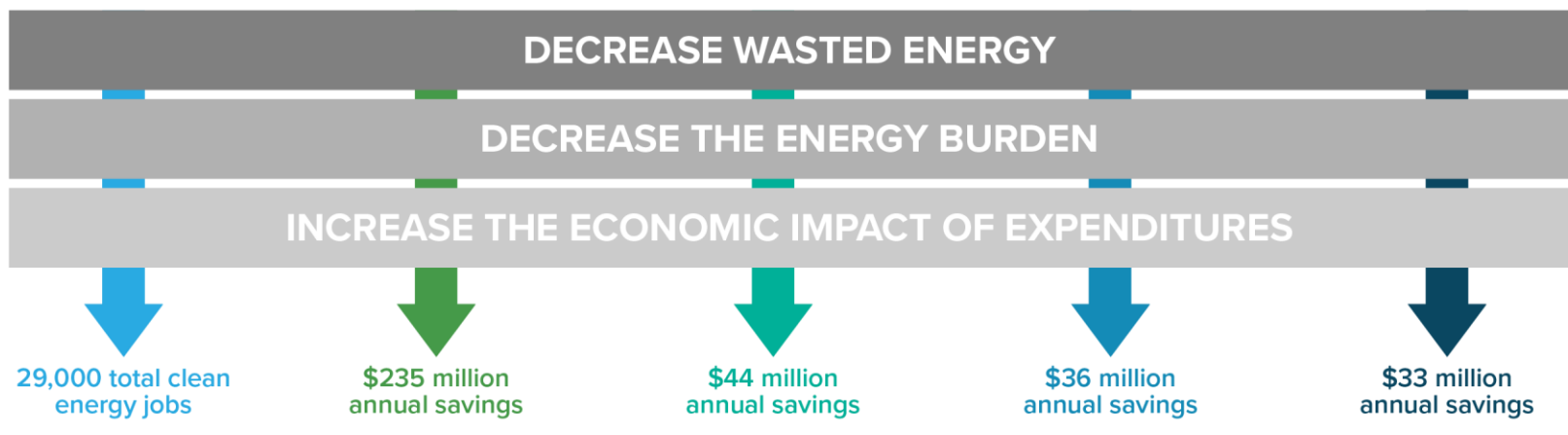
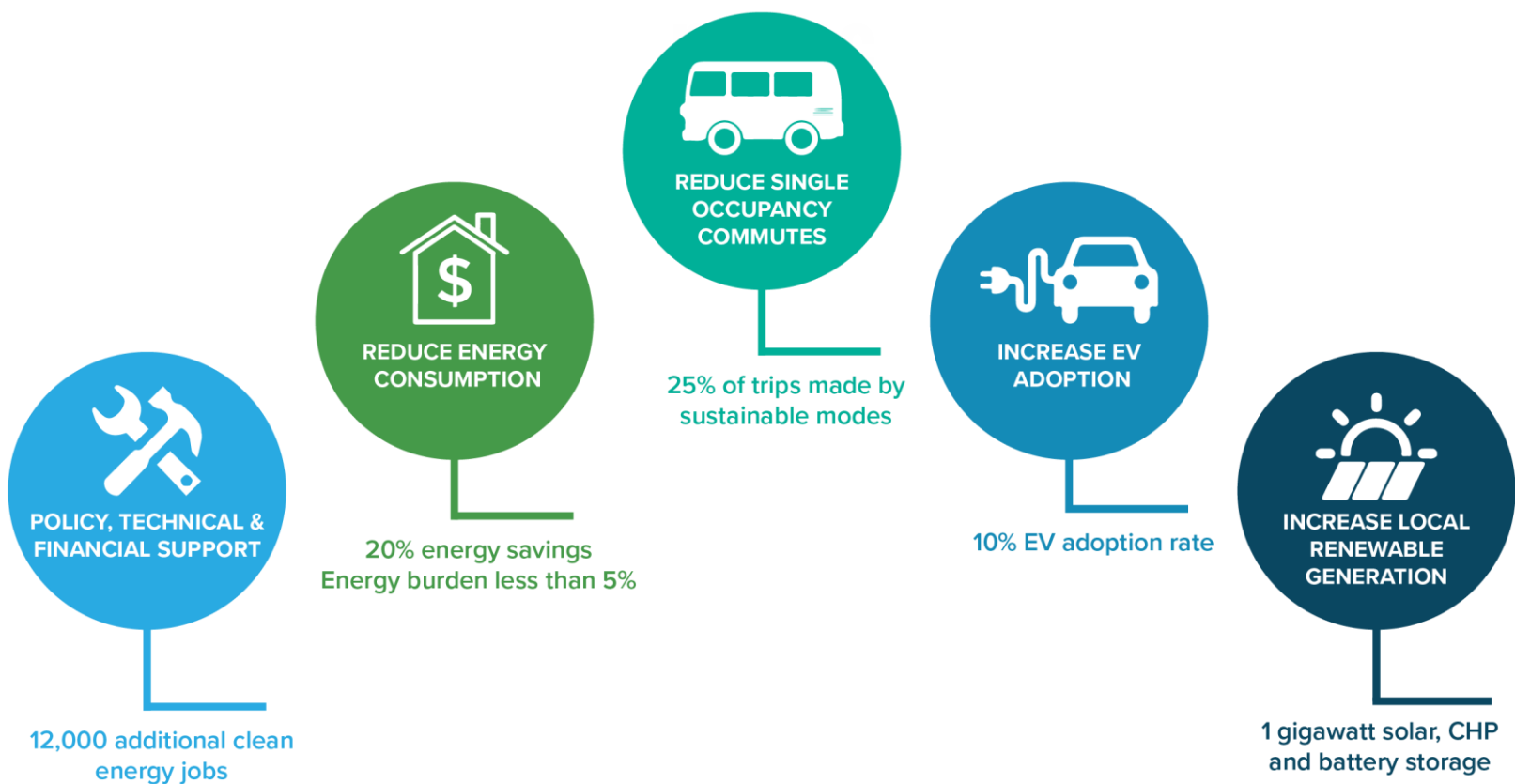
In 2015, homes and businesses in Franklin County used 380 trillion [British thermal units](#) of energy. Of that, 260 trillion Btu, or 69 percent, is wasted because of inefficiencies in energy generation, transportation and end use. That waste translates into nearly \$3 billion a year.



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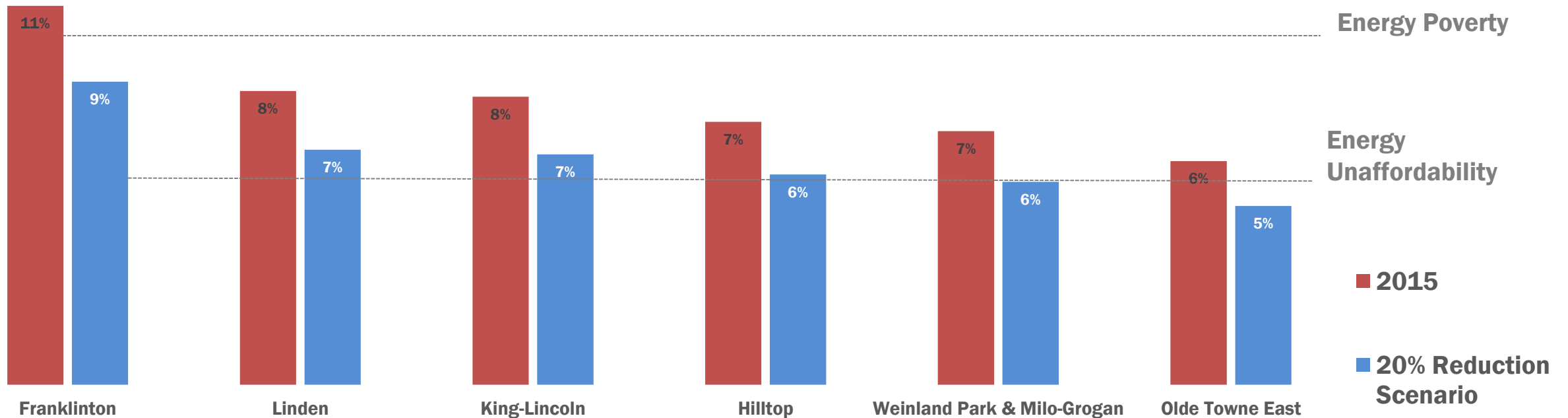


QUADRUPLE CLEAN ENERGY JOBS | \$348 MILLION IN ANNUAL ENERGY SAVINGS
\$500 MILLION IN ADDITIONAL ECONOMIC IMPACT | 19% ELECTRICITY GENERATION FROM CLEAN ENERGY

Recommendation: Reduce energy consumption in homes/buildings

Targets:

- Energy savings: 20% by 2030
- Average Residential Energy Burden: below 5%

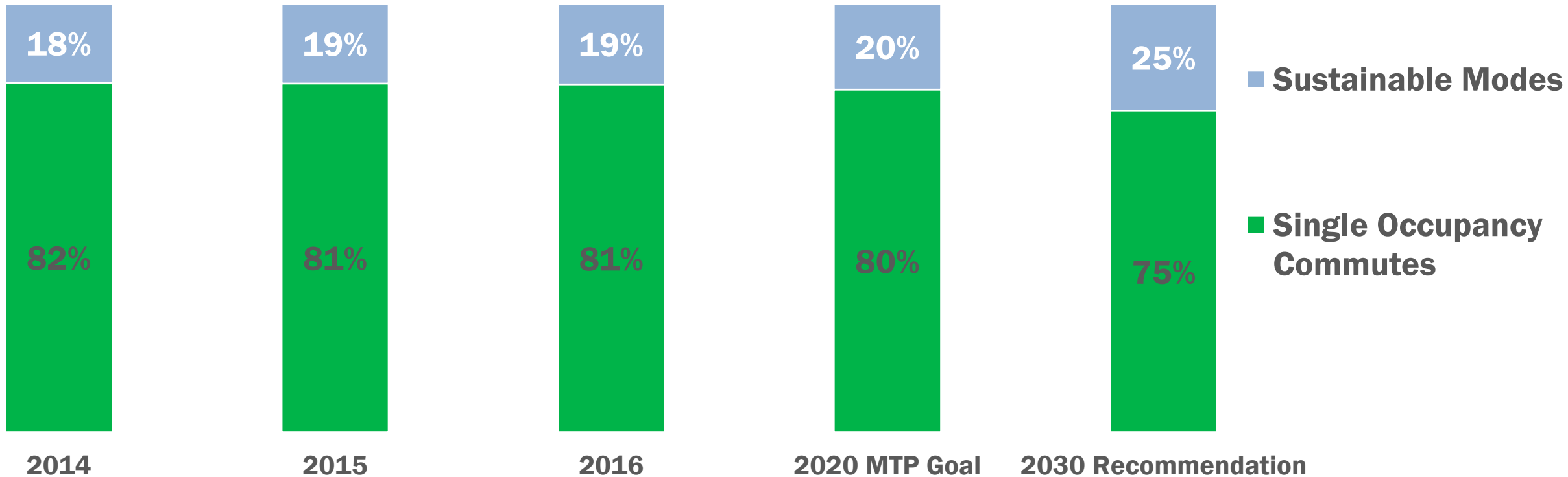


Recommendation:

Reduce single-occupancy vehicle commutes & increase EV adoption

Targets:

2030 mode split: Drive alone = 75%
Sustainable modes = 25%

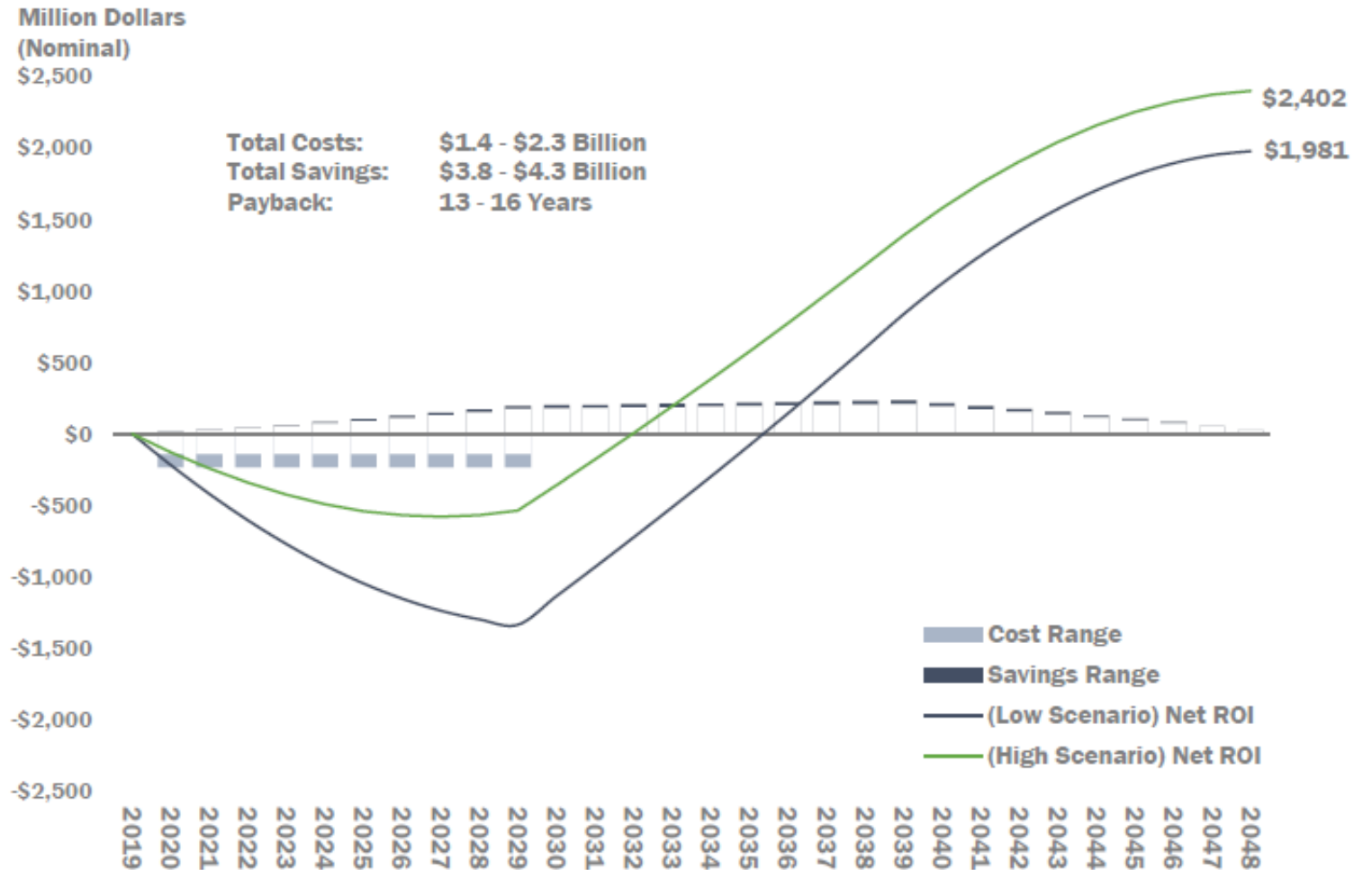


Recommendation:

Target:

1 GW of new solar, CHP and energy storage

Increase local clean energy generation



Economic Benefits:

Goal	Annual Consumer Savings	Annual Reduction in Outflow
2. Reduce Energy Consumption in Homes and Businesses (20% Reduction from 2015)	\$235 M	5.3%
3. Reduce Single-Occupancy Vehicle Commutes (75% Drive Alone; 25% Sustainable Modes)	\$47 M	1.2%
4. Increase the Adoption of Electric Vehicles (10% of Market)	\$36 M	0.8%
5. Increase Local Renewable Generation (1 GW: PV, CHP and Battery)	\$33 M	6.0%
Economic Benefits of Energy Savings	\$348 M	13.3%



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