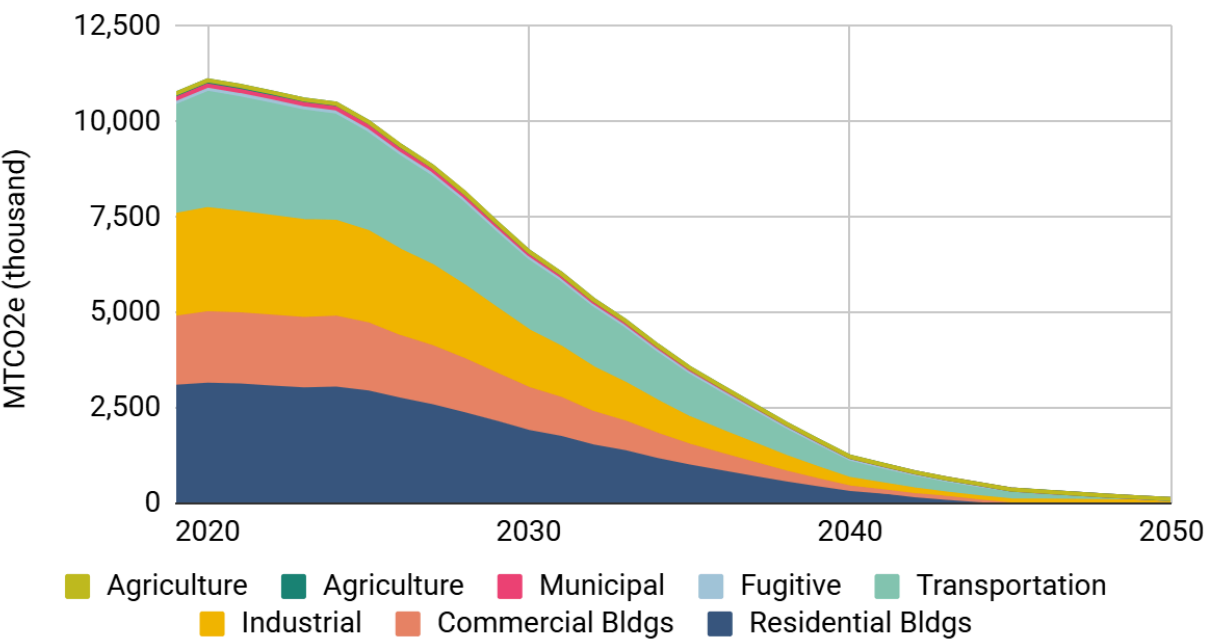


Southeast Michigan Healthy Climate Plan: City of Detroit

Future Emissions

In 2019, Detroit emitted approximately 10.7 million MT of greenhouse gases, or 14.5% of Southeast Michigan's total emissions. If no changes are made, these emissions are projected to increase by 2050. If the climate actions described in the Southeast Michigan Healthy Climate Plan are taken, Detroit's total emissions are projected to decrease by 39% by 2030 and by 99% (to just over 91,000 MT) by 2050.

Climate Action Reduces Emissions in Detroit



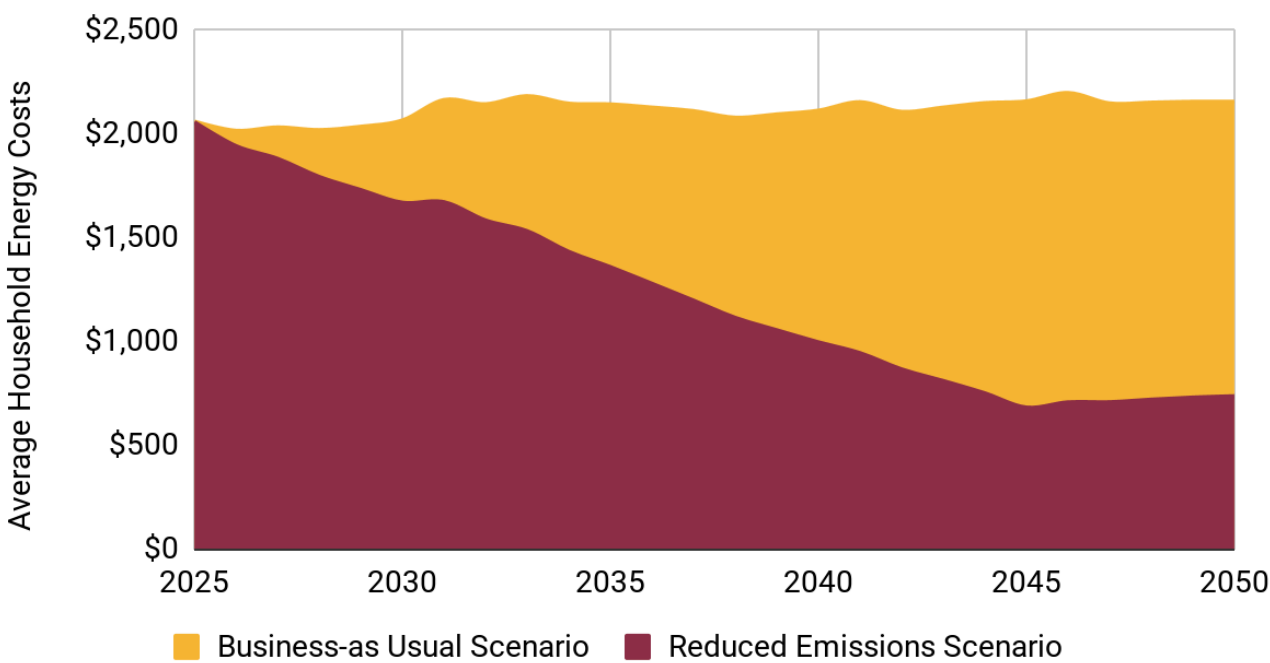
Southeast Michigan Healthy Climate Plan: City of Detroit

Climate Action Reduces Household Energy Costs in Detroit by \$1,374 by 2045

The average household in Detroit currently pays \$2,053 annually for home energy and transportation. If no changes are made, these costs are expected to **increase** to \$2,151 by 2050.

By contrast, carrying out the climate actions described in the Southeast Michigan Healthy Climate Plan will **reduce** average household energy costs by \$1,374 or 67% by 2045.

Annual Household Energy Costs in Detroit



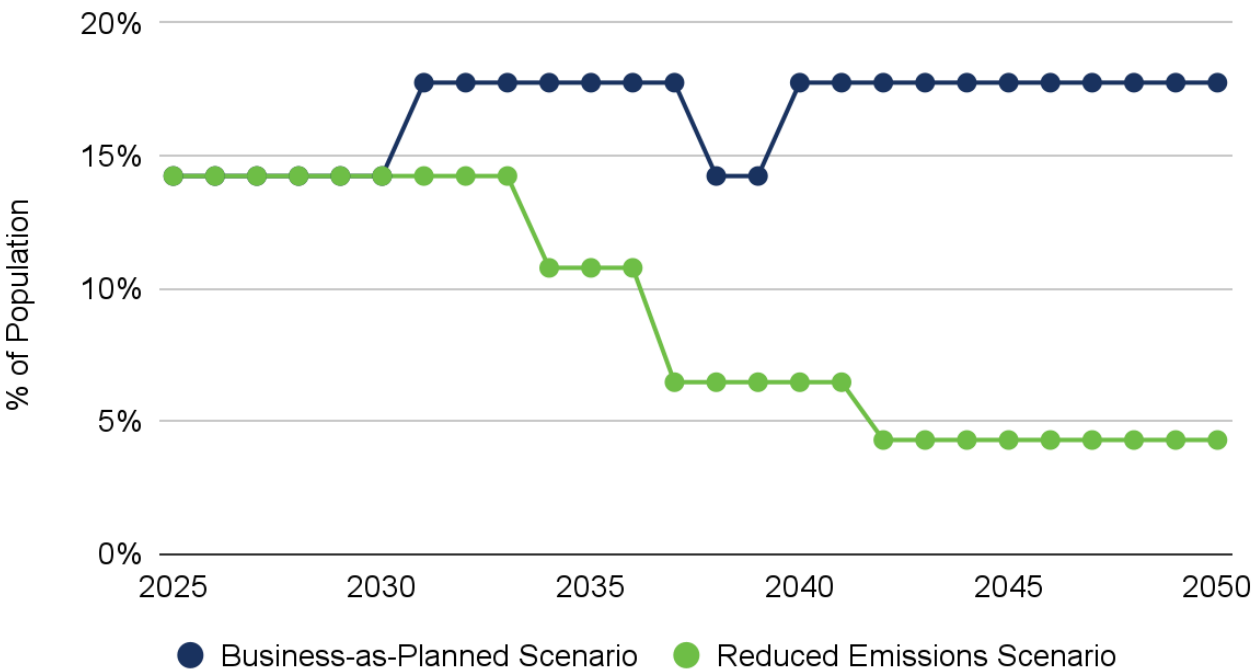
Southeast Michigan Healthy Climate Plan: City of Detroit

Climate Action Eliminates Energy Poverty for more than 65,000 Detroiters by 2042

In 2025, over 96,000 Detroiters were experiencing energy poverty.¹ If no changes are made, energy poverty is projected to continue to affect between 96,000 and 126,000 people (14-18% of the population) until 2050.

By contrast, if the actions in the Southeast Michigan Healthy Climate Plan are carried out, the number of Detroiters experiencing energy poverty is projected to fall to 30,700 (just over 4% of the population) by 2042.

Energy Poverty in Detroit



Climate action in Detroit has the potential to eliminate energy poverty for more than 65,000 Detroiters by 2042. These changes will persist until at least 2050.

¹ EPA. Environmental Justice Screening and Mapping Tool (EJScreen). Accessed December 15, 2024.

Southeast Michigan Healthy Climate Plan: City of Detroit

Costs or Savings?

About half of the climate actions in the SEMCOG Healthy Climate Plan will save Detroiters money. In particular, replacing buses and personal vehicles with electric models, and retrofitting buildings to make them more energy efficient will save vehicle and building owners money for every ton of emissions they eliminate. The marginal abatement cost curve below provides more detail.

