

Setting a Foundation for the Roadmap

Goal Statement

Eliminate all operational greenhouse gas emissions and pollution from New Mexico's residential and small commercial buildings by 2050. This is as a means to creating affordable, comfortable, healthy, efficient, and resilient homes for **ALL** New Mexicans, prioritizing low income, disadvantaged, and Tribal communities.

Group Charge

Develop a New Mexico Building Decarbonization Roadmap by November of 2024. The roadmap is a document describing:

1. The actions needed to achieve a shared goal;
2. Measures to assess progress toward that goal, including interim targets for different sectors;
3. Owners of actions; and
4. A communications strategy for sharing, securing broad buy-in, and/or supporting implementing actions.

Defining Building Decarbonization

Building decarbonization is the process of reducing the greenhouse gas (GHG) emissions that result from a building's operations. This is accomplished by making energy efficiency improvements (and energy use reductions) to a building, replacing appliances that burn fossil fuels – which can include furnaces, boilers, water heaters, clothes dryers, ovens, and wood/pellet stoves – with all-electric alternatives, and providing the building with clean electricity.

Scope

In Scope

- Electrifying gas appliances
- Improving energy efficiency and weatherization
- Residential: single and multi-family
- Small and medium commercial
- Tribal
- Distributed Energy Resources deployment where there are synergies with building decarbonization
- Indoor air pollutants (Co2, NOx, Particulates, So2, VOCs)
- Building requirements - new construction, EV and solar ready

Out of Scope¹

- Embodied carbon from building materials
- Oil & gas, industrial, large commercial
- Gas decommissioning
- Water consumption improvements that reduce the community's carbon footprint

¹ While all of these topics are important to reducing greenhouse gas emissions from the building sector, this initiative will focus on operational emissions from the residential and small commercial segments.