



Haub School of
Environment and
Natural Resources

Laramie
WYOMING

Emissions Reduction Plan Update Presentation

Corrinne Scieszka
EAC Meeting
April 6th, 2023

Status

- Interviews for initial drafting of plan completed
- Continuing engagement with MT2030 Networking Group
- Drafting sections in progress- on track for initial draft to go out end of May, to be reviewed for a final draft in August

ICLEI Emissions Inventory Categories



- Buildings and Facilities
- Vehicle Fleet
- Employee Commute
- Solid Waste Facilities
- Waste and Wastewater Treatment Facilities

Buildings and Facilities

Potential Strategies:

Retro-Commissioning (Building Efficiency)

LEED for Existing Buildings

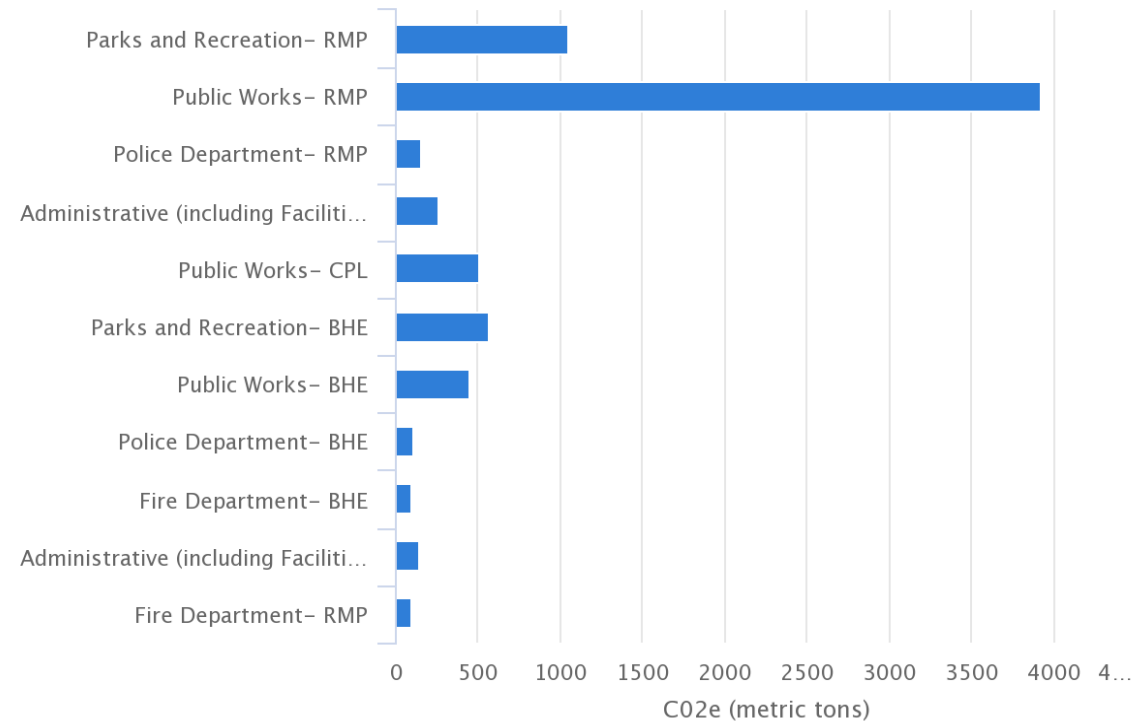
Solar Photovoltaic Installation

Install Lighting Occupancy Sensors

Convert Facilities Space Heating to Heat Pumps

Low Power Computing (Monitors, Desktops, Laptops)

CO2e By Record

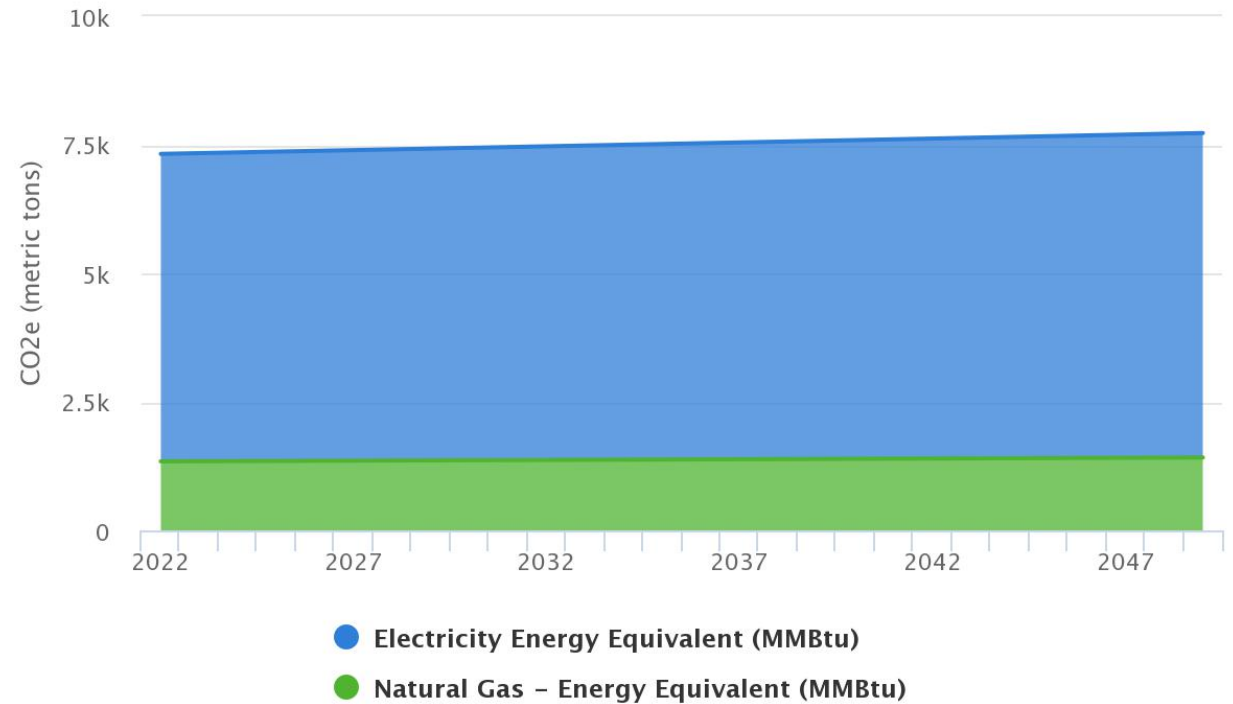


Business as Usual Projection

ICLEI tool allows modeling of different scenarios

- I.e., if no strategies are implemented versus if buildings are retrofit, solar panels are installed, etc.

Projected CO2e values



Example Scenario Implementation: Retro-Commissioning

Scenario: Retro-commission municipal buildings by 2050

Assumptions (from ClearPath Calculator): savings of 1.7 kw/sqft/year

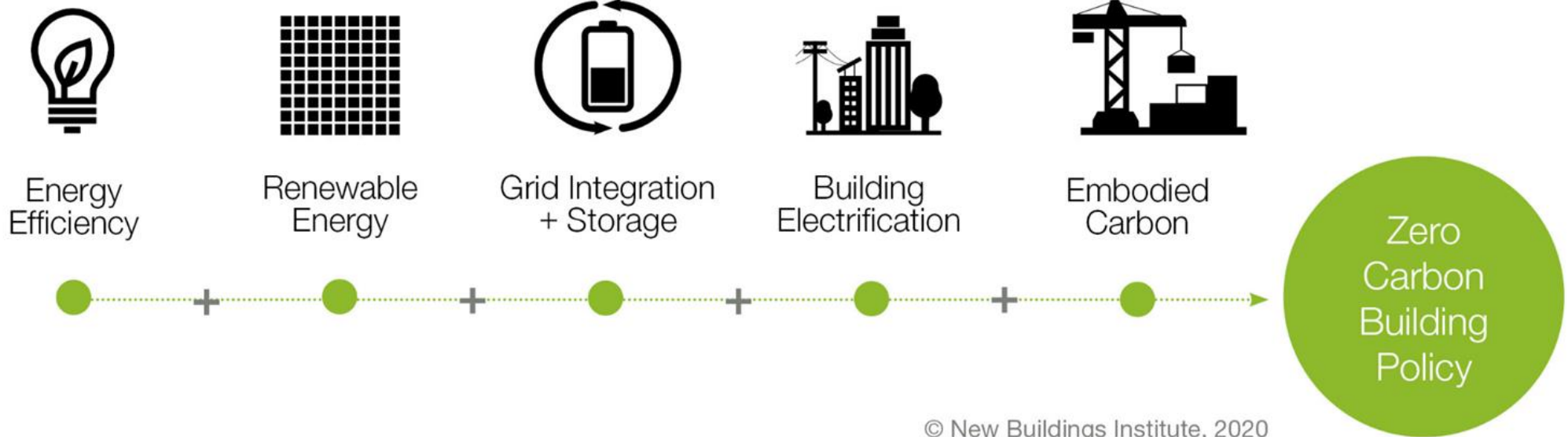
Reduction: -719.05 MTCO_e

Projected CO₂e Values With Reductions Applied



MT2030: New Buildings Institute Info

The Five Foundations of Zero Carbon Building Policies



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Thank you!

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Any Questions?