MAZZETT Three Steps to Decarbonization of the Built Environment Austin Barolin, PE, CEM, LEED AP **START:** Senior Energy & Decarbonization Analyst Develop a Decarbonization Master Plan Continuous Energy Commissioning & Conservation Measures Ongoing Maintenance (ECM) Reduction Retro-Commissioning Review (RCx) Current Building Codes **BARRIERS TO** Energy **IMPLEMENTATION** Audit Increases to Operational Costs (Electricity vs. Gas) • Electrical Capacity Available on the Grid Resiliency Electrification Renewable • Restrictive Building Codes Heat Energy Recovery Source

Solar PV & Wind

Induction Cooking

Heat Pumps & Heat Recovery Chillers

No More Gas-Fired Equipment

Geothermal & Ground -Sourced Heat

OPPORTUNITIES FOR IMPROVEMENT

- Develop Local and State-wide Decarb & Energy Initiatives
- Local Building Code Changes
- Add Renewables to Utility Grid
- Alternative Financing Strategy Including Federal (IRA) and Local-level Incentives

Battery Storage

Thermal Energy Storage



decarbhealthcare.com

