

Action Implementation Blueprints



ACTION NAME

Shift CMLP's electricity supply to 100% carbon-free sources by 2030.

DESCRIPTION OF ACTION

Decarbonizing the electricity supply is the most impactful strategy for reducing town-wide carbon emissions, reducing emissions almost 25% by 2030. Carbon-free electricity also creates deeper carbon reductions through electrifying buildings and transportation. CMLP will provide carbon-free electricity by contracting for renewable energy generation through Power Purchase Agreements (PPAs) and by purchasing Renewable Energy Certificates (RECs).

CHAMPION

CMLP

IMPLEMENTATION STEPS

PLANNING CONSIDERATIONS

TIME FRAME

KEY PARTNERS

1. Continue with the plan adopted by the Concord Municipal Light Board to prioritize owning renewable energy generation and also purchase and retire Class I RECs to increase the percentage of carbon-free electricity provided to Concord Light customers with a target of 100% by 2030.

2020-2030

- CMLP
- Concord Municipal Light Board

2. Educate CLMP customers on the 100% carbon-free electricity by 2030 goal and its associated financial, climate and resiliency benefits. Share with community the percentage of renewable and carbon-free electricity purchases annually and show progress toward 2030 goal. Highlight in-town renewable energy projects and regional projects supported by CMLP's purchases.

2020-2030

- CMLP
- Sustainability Division
- CSEC
- CAAB
- Community groups



FINANCING RESOURCES AND MECHANISMS	
<ul style="list-style-type: none">• CMLP ratepayers• Town budget and staff time	
TRADEOFFS (CHALLENGES/BARRIERS)	EQUITY CONSIDERATIONS
<ul style="list-style-type: none">• Electricity rates will increase to support renewable energy.	<ul style="list-style-type: none">• Town could consider implications and potential alleviation of impact of ‘REC purchase’ line on low-income ratepayer’s electric bills.
TRACKING SUCCESS	ENGAGING THE COMMUNITY
<p>Outputs:</p> <ul style="list-style-type: none">• Retirement of RECs• Reporting on progress toward 100% carbon-free electricity goal <p>Outcomes:</p> <ul style="list-style-type: none">• GHG emissions reduction (23% community-wide by 2030)• Additional GHG reductions for electrification strategies	<ul style="list-style-type: none">• Progress toward the 2030 goal can be a source of excitement and pride for Concord residents that their community is achieving deep decarbonization and actively addressing the climate crisis.• Town committees and community groups with sustainability missions can help to build community support.