



ENERGY: GOALS, STRATEGIES, AND ACTIONS

Goal 1	Carbon-free sources provide 100% of Wellesley's electricity by 2050.
Goal 2	Energy is used in ways that foster decarbonization through efficiency, beneficial electrification, and demand curve management.
Strategy: Accelerate the installation of local renewable energy generation and storage in Wellesley.	
Action	Identify opportunities for and install solar and, where appropriate, energy storage on municipal buildings.
Action	Design and deliver outreach programs to encourage the installation of solar and energy storage on residential, commercial, and institutional properties.
Action	Work with other municipal light plants and key partners to advocate for State incentives for local renewable installations, energy storage, and other emissions reduction programs in municipal utility communities.
Action	Explore opportunities for ground-mounted solar in the solar district and for local installations of geothermal and wind projects.
Strategy: Maximize amount and diversify the non-emitting energy purchased by the MLP.	
Action	Advocate for access to State initiatives for procuring non-emitting energy sources.
Action	Identify and directly enter into Power Purchase Agreements for non-emitting energy sources.
Strategy: Use electricity rates, technology, and incentive programs to optimize emissions reductions in the management of electricity demand.	
Action	Design 'Time of Use' rates that incentivize decarbonization actions, shift and reduce system peak load, and promote more efficient use of electricity.
Action	Design MLP's energy efficiency incentive programs to optimize impact, including an energy conservation campaign to educate residents and businesses on how to best use electricity, avoid waste, and reduce GHGs.
Action	Design and implement voluntary and automated demand response programs.
Action	Reduce peak demand and create a resilience enhancement plan utilizing energy storage, critical load management and microgrids.
Action	Look for opportunities to develop Virtual Power Plants that aggregate distributed energy storage and flexible demand resources in ways that optimize real time energy costs and carbon content.
Action	Promote and support beneficial electrification programs that take into account the electrical system load profile.
Action	Support building electrical service upgrades and local infrastructure development to fully enable renewable energy generation, energy storage, and beneficial electrification.