



Commercial Building Electrification Guide

Maryland's Building Energy Performance Standards (BEPS) provide a pathway to high performance healthy buildings.

1. Assess Your Building & Set Goals

Benchmark Your Building

Establish your building's baseline energy performance.

Schedule an Energy Audit

Identify existing fossil fuel systems such as furnaces, boilers, water heaters, and other equipment, equipment lifetimes, and potential cost-saving opportunities.

Define Electrification & Sustainability Targets

Align goals with decarbonization, cost savings, and/or policy compliance

Check State BEPS Obligations

Confirm upcoming compliance deadlines and targets

2. Plan Electrification & Prepare Infrastructure

Evaluate Electrical System Readiness

Confirm electrical capacity and utility service availability

Create Roadmap for Systems Electrification

Electrification is a process! Determine which systems to prioritize switching first, whether prioritizing envelope or other efficiency upgrades can make this more feasible, and create a retrofit schedule. Ensure your systems are properly-sized and not based on like-for-like replacement size. Your audit may help with this step.

Explore Funding & Incentives

Contact the Clean Buildings Hub to point you to grants, utility rebates, tax credits, low-interest financing, and technical assistance options to help reduce upfront costs

3. Implement, Optimize & Track Progress

Install & Commission Electric Systems

Hire qualified contractors to install and conduct performance testing post-install

Train Staff & Optimize Controls

Maximize efficiency with building control systems and by creating and upholding a continuous maintenance plan

Monitor Results & Adjust As Needed

Track cumulative energy savings and update your strategy over time



Reap the rewards! Efficient, electrified buildings are typically more comfortable, safer, healthier, and have lower operating costs.

**Visit Maryland's Clean
Buildings Hub Website**

