

Battery-Powered Landscaping Equipment Resources Guide

DOER Leading by Example and Operational Services Division are working collaboratively to promote the adoption of battery-powered landscaping equipment (BPLE) at state facilities. BPLE offers a clean, emissions-free alternative to traditional gas- and propane-powered internal combustion equipment. Besides contributing to the Commonwealth's decarbonization goals, this equipment offers numerous benefits including reduced operational costs and improved staff health and comfort. This guide is intended to summarize key resources to help state entities navigate the various educational resources, costs, benefits, incentives, and Statewide Contract availability.

Learn the Benefits	<p>Compared to fossil fuel-based equipment, BPLE is quieter, smoother, easier to maintain, and produces zero onsite greenhouse gas and particulate matter emissions. Several resources are available to provide a deeper dive on the potential benefits to state entities:</p> <ul style="list-style-type: none"> • Presentation from 2022 Ride and Drive event: Recording and Slides • Two-page flyer: Commercial-Grade BPLE for State Entities • OSD's Environmentally Preferable Products Program • Leading by Example Sustainable Landscaping • External organizations: Quiet Communities and AGZA
Calculate Your Savings	<p>Depending on the type of equipment, BPLE may have higher capital costs than traditional equipment. However, due to lower fuel and maintenance costs, BPLE often has a lower lifetime cost of ownership. Use the Commercial Battery-Powered Electric Lawn and Garden Equipment Calculator to estimate the potential costs and emissions savings by switching to BPLE.</p>
Test the Equipment	<p>The DCAMM Tool Barn is a program available to state agencies to borrow and test equipment at no cost. The Tool Barn includes a battery electric backpack leaf blower, commercial push mower, and pro-turn mower. For the latest inventory, usage guidelines, and request form, see the Tool Barn Program website.</p>
Leverage Statewide Contracts	<p>BPLE is available for purchase via Statewide Contract FAC116: Lawns and Grounds Equipment, Category 8. Many vendors have demonstration equipment for potential buyers to test prior to purchase. The FAC116 Contract User Guide includes vendor contact information and instructions for using this contract. To ensure you are procuring commercial-grade equipment, consult the FAC116 Commercial Grade BPLE Specifications document on COMMBUYS.</p>
Get a Rebate	<p>Mass Save offers a \$3,500 rebate for the purchase of commercial-grade battery-powered lawnmowers with battery capacity greater than 7kWh, as well as \$100 rebates for leaf blowers, string trimmers, and chainsaws with capacity greater than 0.5kWh. Rebates are also available for residential equipment. Visit the Mass Save website for more information and rebate forms.</p>
Report Progress	<p>Did your entity purchase battery-powered equipment? What were your challenges? Success stories? Contact Ryan.Kingston@mass.gov to share your progress and discuss barriers.</p>