

Members in the Better Buildings Alliance agree to participate in at least one program activity each year and share their successes with their peers. Explore a variety of activities below tailored to your sector, from testing out an implementation model to joining a technology adoption campaign. [Contact us](#) to participate today!

### Technology and Market Solutions

**Try a new technology or market solutions activity for your sector.** To view a full list of activities, visit each team's webpage on the [Technology Solutions pages](#) or [Market solutions pages](#).

Team	Activity
<a href="#">Lighting &amp; Electrical</a>	<ul style="list-style-type: none"> <li>▶ <b>New in 2015</b> <a href="#">Interior Lighting Campaign</a>: Receive technical assistance and win awards for high efficiency troffer lighting retrofits. Coming soon: a specification for 2x2, 2x4, and 1x4 troffers, a utility incentives database, product lists, technical reports, and case studies.</li> <li>▶ <a href="#">Lighting Energy Efficiency in Parking Campaign (LEEP)</a>: Receive technical assistance and recognition for reducing parking garage and parking lot energy use.</li> </ul>
<a href="#">Energy Management Information Systems (EMIS)</a>	<ul style="list-style-type: none"> <li>▶ Use the <a href="#">technology classification framework</a>, <a href="#">EIS cost and benefits report</a>, and <a href="#">EMIS crash course</a> to learn about critical aspects of successful EMIS use.</li> </ul>
<a href="#">Space Conditioning</a>	<ul style="list-style-type: none"> <li>▶ <a href="#">Advanced RTU Campaign (ARC)</a>: Install efficient HVAC rooftop unit (RTU) technology. Gain access to DOE technical experts, be recognized for achievements in RTU retrofits or upgrades, and qualify for discounts on ASHRAE technical guides.</li> <li>▶ Coming soon: Best practices for duct leakage fact sheet and guidance for a systems approach to central plant HVAC.</li> </ul>
<a href="#">Renewables Integration</a>	<ul style="list-style-type: none"> <li>▶ Use the <a href="#">solar decision guide</a> to evaluate solar for your organization.</li> <li>▶ Stay tuned for the forthcoming Healthcare sector-specific solar PV guide, which will assess best practices for navigating barriers to implementation in healthcare facilities.</li> </ul>
<a href="#">Food Service</a>	<ul style="list-style-type: none"> <li>▶ Collaborate with the Consortium for Energy Efficiency (CEE) to develop guidance on commercial kitchen Demand Control Ventilation (DCV) best practices and a retrofit evaluation checklist. See the introductory webinar presentation <a href="#">here</a>.</li> <li>▶ Profile a food service energy efficiency project as a Showcase Project on the Better Buildings website or help quantify the non-energy benefits of energy management systems (EMS) to justify project costs.</li> </ul>

## Procurement Specifications

Try a procurement specification tailored for your sector when purchasing energy efficient technologies. The specifications listed below have the potential to offer significant benefit for the various end-use energy consumers in commercial buildings.

Specification	Savings Opportunity
<b>Commercial Heat Pump Water Heater</b>	<p><b>Save 70%</b> on water heating energy by using heat pump water heaters instead of electric storage water heaters. <a href="#">View spec.</a></p> <p>A <b>commercial kitchen</b> with daily hot water usage of 1,000 gallons installed a heat pump water heater with a heating capacity of 32,000 British thermal units per hour and a coefficient of performance of 3.5. The heat pump water heater saved the facility more than \$6,000 per year with additional space conditioning impacts.</p>
<b>LED Site Lighting (for Parking Lots)</b>	<p><b>Save 40%</b> or more on energy costs; additional benefits include long life, reduced maintenance costs, and improved lighting uniformity. <a href="#">View spec.</a></p> <p><b>T.J.Maxx</b> realized a 3-year payback by replacing high-pressure sodium and metal halide luminaires with LED technology. <a href="#">View the case study.</a></p>
<b>High-Efficiency Wallpack Lighting</b>	<p><b>Save approximately 40%</b> by replacing fixtures and <b>70%</b> by using controls. Additional benefits include longer life and lower maintenance costs. <a href="#">View spec.</a></p> <p>If a hotel of 185 rooms applied the specification at 1,200 sites across its building portfolio, it would save an estimated 12.7 million kWh and \$1.3 million in energy savings annually.</p>

## Other DOE Opportunities

Topic	Description
<b>Multi-Load Laundry Demonstration</b>	<p>Save up to \$17,000 per year in utility costs by installing a laundry ozonation system to reduce laundry energy use by approximately <b>11%</b> and water consumption by approximately <b>35%</b>.</p> <p>Typical <b>multi-load washers</b> used in moderate sized hotels can use more than \$100,000/year in water and energy (up to 11,000 MMBtu to heat water and 1.3 million gallons of water per year).</p> <p>View the results:</p> <ul style="list-style-type: none"> <li>▶ <a href="#">Demonstration of Advanced Technologies for Multi-Load Washers in Hospitality and Healthcare – Ozone Based Laundry Systems</a></li> <li>▶ <a href="#">Demonstration of Advanced Technologies for Multi-Load Washers in Hospitality and Healthcare – Wastewater Recycling Technology</a></li> </ul>
<b>Commercial Building Partnership Program</b>	<p>Partner with DOE and national laboratory staff who provide technical expertise to explore energy-saving ideas and strategies that are applied to specific building project(s) and that can be replicated across the market.</p> <p><b>InterContinental Hotels Group</b> and its franchise, <b>B.F. Saul Company Hospitality Group</b>, incorporated energy efficiency measures into major renovation plans instead of only undergoing equipment retrofits to save energy across the building envelope, lighting, HVAC, and service hot water totaling an estimated 29% reduction in energy use. <a href="#">View the case study.</a></p>

## Implementation Models

Try a proven solution from a **Better Buildings Challenge partner**. Better Buildings Challenge partners share strategies for addressing key barriers to energy efficiency, including policies, processes, outreach efforts, tools, and resources. Click [here](#) for a full list.

Topic	Barrier	Solution
<p><a href="#">Chasing Quarters With Energy Set-Points</a></p> <p>HEI HOTELS AND RESORTS</p>	<ul style="list-style-type: none"> <li>Lack of standard operating procedure for key energy set-points for HVAC systems, Domestic Hot Water, and Food &amp; Beverage areas at managed properties</li> </ul>	<ul style="list-style-type: none"> <li>Partner with chief engineers and hotel department heads at each facility to develop and certify building-specific temperature set-points</li> <li>Implement portfolio-wide standard operating procedures for set-point maintenance</li> </ul>
<p><a href="#">Wyndham Vacation Ownership Green Certification Program</a></p> <p>WYNDHAM WORLDWIDE</p>	<ul style="list-style-type: none"> <li>Lack of a formal process for improving energy efficiency and implementing sustainable practices in the timeshare industry</li> </ul>	<ul style="list-style-type: none"> <li>Develop a timeshare-focused green certification program driven by strict adherence to quality assurance</li> </ul>
<p><a href="#">Energy Looking Glass Dashboard</a></p> <p>HEI HOTELS AND RESORTS</p>	<ul style="list-style-type: none"> <li>Lack of centralized information on energy and other key data</li> </ul>	<ul style="list-style-type: none"> <li>Create an Energy management tracking tool</li> </ul>
<p><a href="#">Building Upgrade Value Calculator</a></p> <p>USAA REAL ESTATE COMPANY</p>	<ul style="list-style-type: none"> <li>Difficulty garnering approval for investments in building energy efficiency due to incomplete understanding of financial and other benefits</li> </ul>	<ul style="list-style-type: none"> <li>Develop a tool to convert results of energy efficiency upgrades into metrics that are meaningful for financial decision makers</li> </ul>