

MASSACHUSETTS STATE GOVERNMENT LEADING BY EXAMPLE

COUNTDOWN TO 100 LEED CERTIFICATIONS

Since 2007, all new construction at state-owned facilities are required to meet the Massachusetts LEED Plus standard, which requires buildings to achieve both LEED certification and be designed to meet energy performance that is 20% better than the existing Massachusetts building energy code. Since that time, 100 buildings have been constructed that prioritize green building elements such as energy and water efficiency, sustainable materials, and innovative design. This poster highlights the 96th building to be certified in the state-owned building portfolio.



#96 MASSPORT TERMINAL B OPTIMIZATION

The Terminal B Optimization Project at Logan International Airport streamlined passenger security screening and baggage handling, and improved operational efficiencies. This extensive retrofit achieved LEED Silver Certification and includes the following key design elements:



35% reduction in potable water usage



Incorporated design elements to reduce heat island effect



Interior space designed with low emission paints and floor coverings



20% recycled content building materials, 75% of construction debris diverted from landfills



18% improvement on baseline building performance rating

PROJECT INFO

PROJECT MANAGER: MassPort

DESIGN TEAM: AECOM

CONTRACTOR: Turner Construction

CERTIFICATION: January 2022

SIZE: 97,230 sq ft

BUILDING FEATURES

- Curtain walls of dynamic windows automatically adjusts opacity based on sun light, reducing energy for heating and cooling by up to 18%
- 65 charging stations support fleet of electric ground service equipment
- Smart lighting optimizes energy efficiency during peak and off-peak occupancy conditions

MASSPORT SUSTAINABILITY

- 8 LEED buildings in portfolio
- In March 2022, MassPort announced a goal to achieve net-zero emissions by 2031 through energy efficiency, electrification, and supporting development of renewable energy



Learn more:

Leading by Example Program: [Green Buildings](#)
U.S. Green Building Council: [Terminal B Optimization Project](#)
MassPort Sustainability: [Being Green at MassPort](#)

