

Hannaford Grocery Store

Augusta, Maine

Owner

Hannaford Bros. Co.

Architect

WBRC

Design Architect

Next Phase Studios

Building Contractor

Whiting-Turner

Photovoltaic System Design

Solar Design Associates, Inc.

Completion Date

July 2009

Construction Cost

\$5 million

Total Area

48,000 sf

LEED Certification Level

Platinum

Services Provided

LEED Consulting

Owner's Sustainability Representative



Hannaford's first LEED Platinum-certified supermarket opened in July 2009 comprising 48,000 square feet. Fore Solutions, acquired by Thornton Tomasetti in 2012, provided consulting services directing green design features including daylighting, solar photovoltaic panels, geothermal heating and cooling, high-efficiency refrigeration, energy efficient lighting and an advanced recycling program.

As the owner's sustainability representative and LEED consultant, the team recycled or reused 96% of demolition debris and 99% of the contents of the building from the previously developed site. More than 70% of the wood used in the store is FSC certified with many of the counters constructed of recycled materials. Interior daylighting is maximized through windows, a clerestory, skylights and solartubes. A 7,000-square-foot green roof reduces water runoff, increases biodiversity on the site, and helps insulate the store.

Hannaford uses 50% less energy than a typical grocery store. Reclaimed heat from the GreenChill refrigeration system meets almost 100% of the store's heating needs. Two geothermal wells located 750 feet below ground regulate the store's interior temperature along with a 41-kilowatt solar array providing on-site power.

