

Royal Farms #149


Project Type: Retail


LEED Rating System: LEED for New Construction


Certification Level: Certified

Royal Farms decided in early DD's that they would pursue LEED Certification for this building, and any subsequent Royal Farms stores being built in the future. The project team met and a LEED Consultant was hired to evaluate ways to incorporate LEED into the basic store layout. The store had a few hurdles to overcome from the beginning. Given the nature of a 24-hour convenience retail store, there were certain issues with lighting that could not be overcome (i.e. reducing the amount later in the evening). The design team developed a more-efficient lighting system and increased the efficiency of the HVAC system. Processing the Waste Oil from fryers for recycling into biodiesel fuel has also been incorporated into this store, as well as any future Royal Farms Stores

Major Sustainability Highlights:

 42% water reduction by utilizing waterless urinals, dual flush toilets, and low flow shower heads

 17.87% energy savings

 75% diversion of the construction waste

Additional Sustainable Highlights:

11.38% of materials contained recycled content

Project Team:

Owner: Royal Farms
MEP: Emerson
Civil: CMR
Architect: Peter W. Ratcliffe, Architects
General Contractor: Hopkins & Wayson
LEED Consultant: Lorax Partnerships, LLC

LEED® Facts

Royal Farms #149 Odenton, MD

LEED for New Construction
 Certification awarded February 28, 2012

Certified 41*

Sustainable Sites 7/26

Water Efficiency 8/10

Energy & Atmosphere 5/35

Materials & Resources 6/14

Indoor Environmental Quality 9/15

Innovation & Design 6/6

Regional Priorities 0/4

**Out of a possible 110 points*