



Deval L. Patrick, Governor  
Timothy P. Murray, Lt. Governor  
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**massDOT**  
Massachusetts Department of Transportation

# Barnstable Municipal Airport's New Passenger Terminal Building

## Description

### **Project Description:** *NEW TERMINAL BUILDING - HYA*

Barnstable Municipal Airport is committed to helping the environment in any way possible and this is true for the airport's new 35,000 square-foot passenger terminal building. The town, Barnstable Municipal Airport Commission (BMAC), Cape Cod Commission, airport staff, and consultants took steps to implement "green" initiatives into the design of the new facility.

The Barnstable Municipal Airport will seek an Energy Star rating for the new passenger terminal after it opens (anticipated opening is Fall 2011). They took steps to incorporate green initiatives into some of the major components of the interior and exterior design.

### **GreenDOT Goals and Targeted Outcomes:**

#### **1. Reduce greenhouse gas (GHG) emissions**

The following steps were incorporated into the terminal building design to reduce GHG emissions:

- White roofs to reduce solar heat gain (thus reducing cooling loads);
- High performance window glazing (insulated, tinted and low-energy) to reduce energy cost (heating loads) and solar heat gain (cooling loads);
- Low flow toilets and faucets;
- Low volatile organic compounds (VOC) paints and sealants;
- Use of materials with recycled material content (steel, concrete, ceiling tiles, etc.);
- Highly-efficient HVAC systems with energy recovery units;
- Fluorescent interior lighting to reduce energy usage;
- Point of service water heaters, reduced pumps and efficient motors and pumps installed;
- Low-water plants added to landscaped areas; and
- Dark-sky exterior lighting added to the design.

#### **2. Promote the healthy transportation options of walking, bicycling, and public transit**

An agreement with the Cape Cod Regional Transit Authority will offer passengers transit bus service from the Airport on a regular schedule.

- Bike racks added to promote bicycling to/from the airport; and
- Sidewalks added on Barnstable Road to promote walking.

#### **3. Support smart growth development**

Not applicable at this time

## Actions to Date

### **Responsible Agencies:**

Barnstable Municipal Airport Commission (BMAC)  
Cape Cod Commission  
Barnstable Municipal Airport  
Town of Barnstable

### **Contact Person(s)/Phone #/Email:**

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## Next Steps

**Start up Date:** October 2011

**Timeframe for Initiative and/or Launch:**  
October 2011

### **Next Steps & Schedule:**

1. The Barnstable Municipal Airport will seek an Energy Star rating for the new passenger terminal after it opens (anticipated opening is Fall 2011).

