

Green Airports: How Airports are Realizing Energy Savings

<https://marketpublishers.com/r/G62E2A3F194EN.html>

Date: August 2012

Pages: 93

Price: US\$ 229.00 (Single User License)

ID: G62E2A3F194EN

Abstracts

Airports often struggle to comply with environmental regulations arising out of operations. Airports must grapple with reducing tons of toxic emissions caused by landings, takeoffs, and use of diesel shuttles. And soaring energy-related facility costs can decimate bottomlines.

Some airports have been slow to adopt measures that go beyond minimum requirements. But there are as many airports leading the way in converting their operations and facilities into Green Airports.

This report examines the green airport industry including federal initiatives, private programs, and alternative fuel vehicle programs in use at airport facilities.

It includes case studies of 47+ airport energy efficiency programs with full contact information including address, phone, and email.

It also features contact information and profiles of major developers and contractors that specialize in planning and installing green energy initiatives at airport.

The The Air Transport Association of America acknowledged the need to address emission of greenhouse gas from airline operations. It joined with the International Air Transport Association in adopting ambitious targets to mitigate GHG emissions from the airline industry including:

Continue industry fuel (and, hence, CO₂) efficiency improvements, resulting in an average annual CO₂ efficiency improvement of 1.5 percent per year on a revenue ton mile basis through 2020;

Cap industry-wide CO2 emissions from 2020 (carbon-neutral growth) subject to critical aviation infrastructure and technology advances achieved by the industry and government; and

Contribute to an industry-wide goal of reducing CO2 emissions by 50 percent by 2050, relative to 2005 levels.

This report includes Airport Energy Case Studies including:

Austin Bergstrom International Airport

Baltimore-Washington International Airport

Baton Rouge Metropolitan Airport

Boston Logan International Airport

Buffalo Niagara International Airport

Chattanooga Airport

Chicago O'Hare International Airport

Chicago-Rockford Airport

Cincinnati-Northern Kentucky International Airport

Cleveland Hopkins International Airport

Dallas/Fort Worth International Airport

Denver International Airport

Detroit Metropolitan Airport

DFW International Airport

Eugene Airport-Mahlon Sweet Field

Fort Lauderdale-Hollywood International Airport

Hartsfield Atlanta International Airport

Houston Airport

Indianapolis International Airport

John F. Kennedy International Airport

Lambert-St. Louis International Airport

LED Lighting at Tulsa International Airport

Los Angeles International Airport

Louis Armstrong New Orleans International Airport

Phoenix Sky Harbor International Airport

Pittsburgh International Airport

Portland International Airport

Redmond Airport

Ronald Reagan Washington National Airport

Sacramento International Airport

Salt Lake City International Airport

San Diego International Airport

San Francisco International Airport

Seattle-Tacoma International Airport

T.F. Green Airport

The Long Beach Airport

Tucson International Airport

This report is a comprehensive guide to understanding regulations and initiatives in the green airport industry. It provides detailed case studies of airport green initiatives in place at dozens of airports.

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