FAA Airport Sustainability Funding Mechanisms

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Voluntary Airport Low Emission Program (VALE)

- Reduces airport ground emissions

- Funded by FAA Airport Improvement Program (AIP) & Passenger Facility Charges (PFCs)

Examples
- Low emission vehicles
- Refueling and recharging stations
- Gate electrification
VALE Great Lakes Region

- 18 Eligible Airports in AGL
- 10 Airports Participated to Date
- 34 Million Dollars invested in AGL Since 2005
- Nearly 1/3 of the 33 Airports Nationwide are from AGL
- Nearly ¼ of total $140 Million in VALE since 2005 invested in AGL
2015 VALE Participants

- Chicago O’Hare
  $2 million

- Port Columbus
  $2.7 million

- Cleveland Hopkins
  $1.1 million

- Indianapolis
  $3.9 million
Sustainable Master Plan

- Outagamie County Regional Airport Wisconsin
- Akron-Canton Regional Airport Ohio
- Dayton-Wright Brothers Airport Ohio
- James M. Cox Dayton International Airport
- Kent State University Ohio
- Minneapolis-St. Paul International Airport Minnesota
Sustainable Master Plan

• Examples of sustainability goals:

  ☑ Dispose of 100% of used de-icing fluid within a 25 mile radius of the airport by 2015
  ☑ Use only environmentally friendly products at airport facilities
  ☑ No net losses of wetlands
  ☑ Achieve an 80% reduction in greenhouse gas emissions by 2050
  ☑ All new construction projects will exceed guidelines outlined in the local Best Management Practices Manual for construction and post-construction
Sustainable Master Plan

• **Examples of sustainability initiatives:**
  - Work with local jurisdictions to promote compatible land uses for adjacent properties
  - Providing incentives to staff, tenants, and the public to use alternative fuel vehicles
  - Seek LEED-certification for new terminal buildings
  - Make sustainability a significant part of airport branding and marketing
  - Increase airport tours and events for the local community
  - Convert vehicle fleets to alternative fuels
  - Sustainability Aviation Guidance Alliance (SAGA)

- Initiatives are drawn from planning and stakeholder meetings, and existing sustainability resources
SOLAR Farms

- Rockford
- Indianapolis
- Madison
- Springfield
- Minneapolis St. Paul
- Fort Wayne
Greenhouse Gases (GHGs)

- Zero Emissions Vehicles (ZEV)
- NextGen
  - Air traffic Modernization
- Continuous Lower Energy, Emissions, and Noise (CLEEN)
- VALE
- Aviation Environmental Design Tool Version 2b (AEDT 2b)
  - Emissions Dispersion Modeling
How does the FAA Support Sustainability?

• Training Staff, Consultants, and Sponsors

• Promote Sustainability in Master Planning

• Seeking Airports for ZEV Program

• Seeking Airports for energy efficiency and sustainable infrastructure

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Thank you

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