

A blue-tinted map of North America with a grid overlay. A black dot is placed over the location of Denver, Colorado, with the word "DENVER" written in black capital letters to its right.

● DENVER

Metro Wastewater Reclamation District Capacity Purchase

Craig Schillinger
Title?
Planning and Development
October 31, 2012



DENVER INTERNATIONAL AIRPORT
TOGETHER WE SOAR

Metro Wastewater Background

- Airlines use Aircraft De-icing Fluid (ADF) to reduce the ice and frost load on aircraft
- ADF has a high contaminant load—i.e., Biological Oxygen Demand (BOD) discharge Metro is a special district encompassing the Denver Metropolitan Region, including DIA, created to treat wastewater including BOD discharge
- Metro is empowered to charge each customer for its service according to the anticipated demand placed on Metro's treatment facilities
- Metro has an ongoing capital improvement plan to expand their treatment capacity

ADF Discharge Drivers and Management

- Drivers
 - Amount of ADF-contaminated wastewater discharged from DIA is primarily driven by the weather. Specifically:
 - Precipitation rate and amount
 - Temperature
 - Number of planes that need to leave the Airport during a weather event
- Management of Collected ADF
 - **Environmentally Responsible:** send only 30% to Metro Wastewater for treatment
 - **World-wide Sector Leadership:** at 70% recycling, DIA represents the “gold-standard” by a significant margin

3

Metro Wastewater Capacity Purchase

- DIA inherited Stapleton's seven tons per day of BOD capacity in Metro's system
- DIA has "rented" approximately 3.75 tons per day of additional capacity each year
- DIA proposes to purchase four tons of permanent capacity
 - Allows DIA to accommodate future growth
 - Maintains current service levels for the airlines winter operations

Metro Wastewater Intergovernmental Agreement (IGA) Parameter Highlights

- Price is \$16.2M before application of \$3.8M of DIA's previous rental payments for a net price of \$12.4M
 - Price based on Metro's current capitol rates for organic load
- DIA/Metro IGA (1) triggers purchase payment and (2) documents the Metro/DIA relationship
- Sole source negotiated contract

DIA Environmental Highlights DENVER

- Deicing fluid collection and recycling (industry leader at 70%)
- Alternatively fueled vehicles (Fleet employs 300+ 32% of DIA's total fleet)
- Composting program now collects paper towels from public restrooms in the main terminal
- Recycling programs are expanding, including a new plastic film baler at the Joint Use Cargo Area
(DIA recycles over 1,400 tons of paper, cans, and bottles annually)

6

DIA Environmental Highlights Continued

- Environmental Management System for the entire airport (certified under ISO-14001 standard since 2004)
- Sustainability Management Plan (in development, with grant support from FAA)
- Solar panels generate 8 megawatts of electricity (6% of DIA's usage)
- Initiating DIA bus pass program with key business partners



● DENVER

Questions?

Craig Schillinger
Title?
Planning and Development
October 31, 2012



DENVER INTERNATIONAL AIRPORT
TOGETHER WE SOAR