



COLORADO

Department of
Transportation



CDOT Division of Aeronautics

Presentation to TLRC

July 23, 2014



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Transportation

Mission Statement

In support of the Colorado Department of Transportation's development of a forward-looking multi-modal transportation system in the 21st century, the Colorado Division of Aeronautics shall promote partnering with its public and private constituents to enhance aviation safety, aviation education, and the development of an effective air transportation system through the efficient administration of the Colorado Aviation Fund.

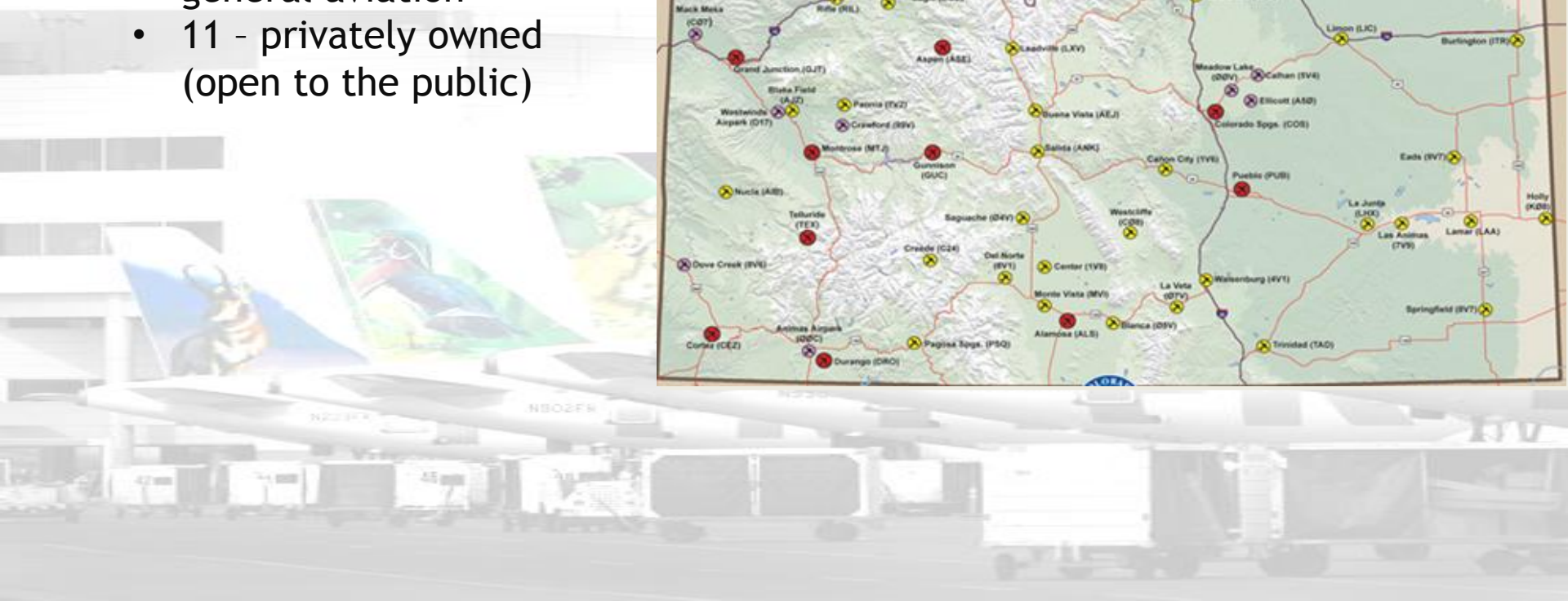
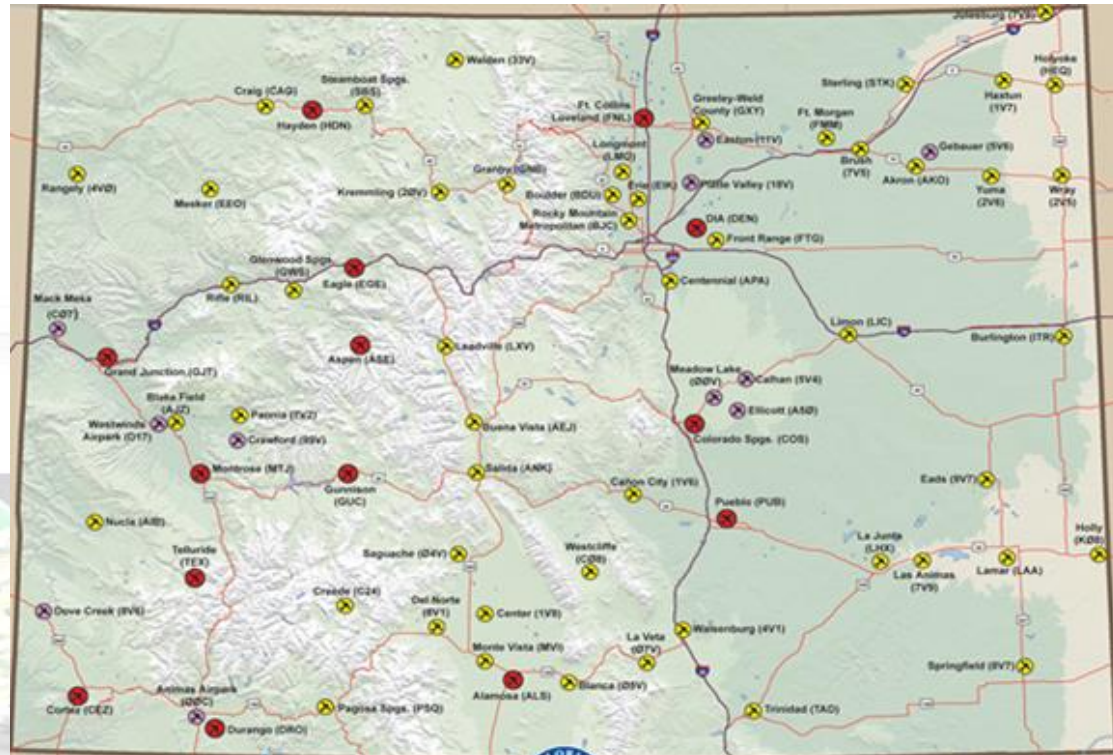




Colorado Airport System

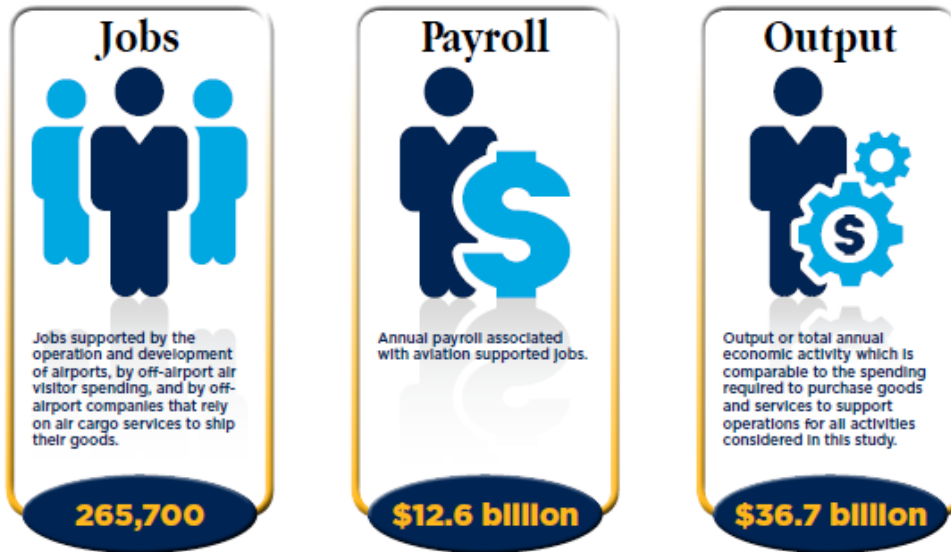
74 Public Use Airports

- 13 - commercial service
- 50 - publicly owned general aviation
- 11 - privately owned (open to the public)





Economic Output of Aviation



Statewide



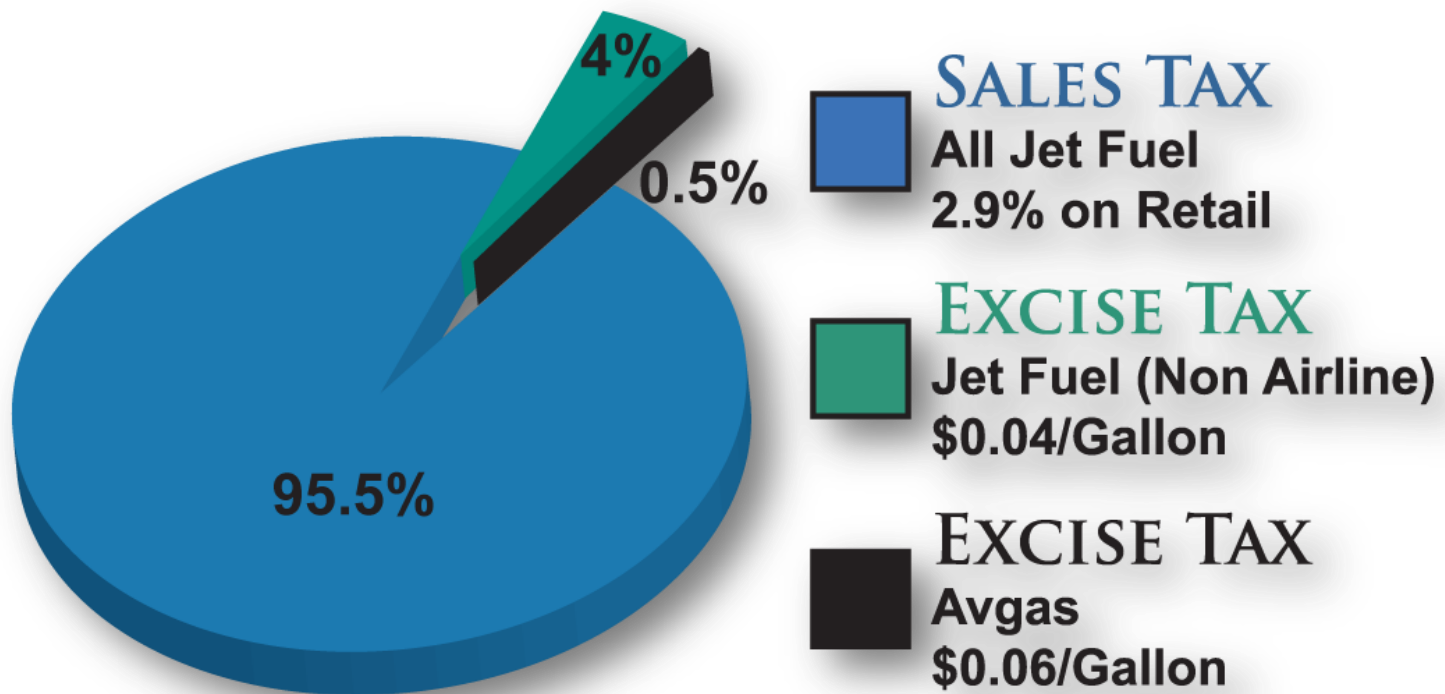
Economic Development / Growth Opportunities

Unmanned Aerial Systems

- Providing technical guidance to airport and local government officials
- Collaborating with the FAA
- Encourage test sites within Colorado



Aviation Tax Revenue and Benefits

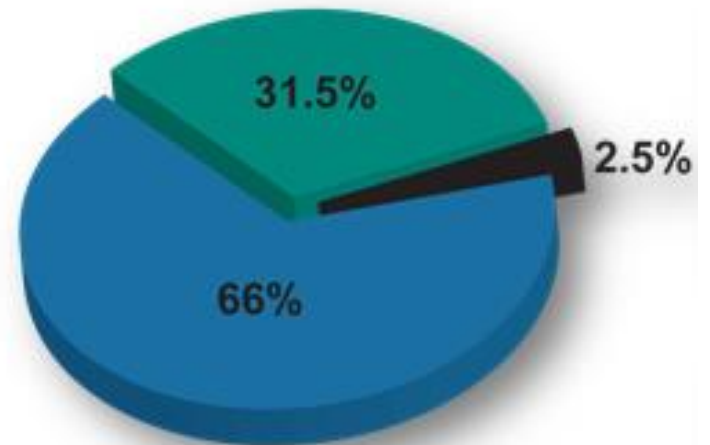


The CDOT Division of Aeronautics operates entirely through state Aviation Fuel Tax revenue (no General Fund or Highway Users Tax Fund moneys)



Aviation Tax Revenue and Benefits

Number of Projects Funded (1992-2014)	Project Type
443	Federal Match
354	Runway/Taxiway/Ramp Pavement Maintenance
108	Equipment (snow removal, fire fighting, etc.)
91	Planning/Land Purchase
85	Navaid/Safety
55	Fencing/Airport Security
40	Compliance





UAS/UAV Implementation into Colorado Airspace

Congress directed FAA to develop rules for UAS integration into NAS by 2015.

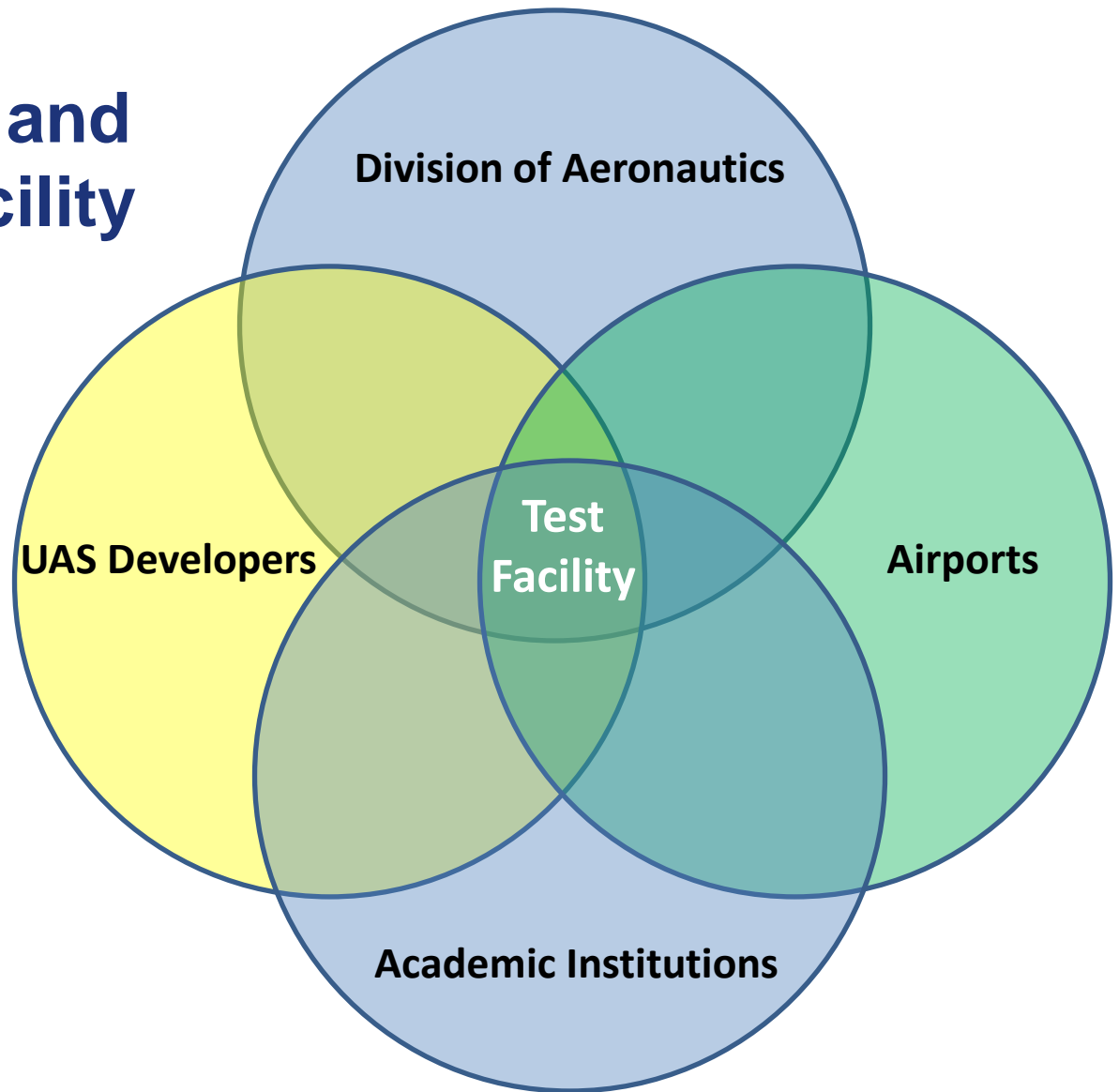
Colorado UAS estimates development thru 2017 to include \$307.4 million in total cumulative output and 689 new employees for a total of \$113.1 million in employee earnings.

Establishment of test facility to promote UAS development in Colorado.





Colorado Test and Evaluation Facility Stakeholders





Test and Evaluation Facility Development Goals

Select one or more airports to support UAS development and testing

Establish UAS/UAV operational requirements:

- Line-of-Sight (LOS) Operations
- Beyond Line-of-Sight (BLOS) Operations
- Autonomous Operations

Deploy surveillance technologies in support of the test activities:

- Wide Area Multilateration (WAM)
- ADS-B
- Non-Cooperative target detection - primary radar, tracking video/IR cameras

Facility Equipment:

- Operations workstation
- Communications equipment
- Command and Control

