

Condition and Performance

National Plan of Integrated Airport Systems (NPIAS)

Prepared for: 2015 Datapalooza

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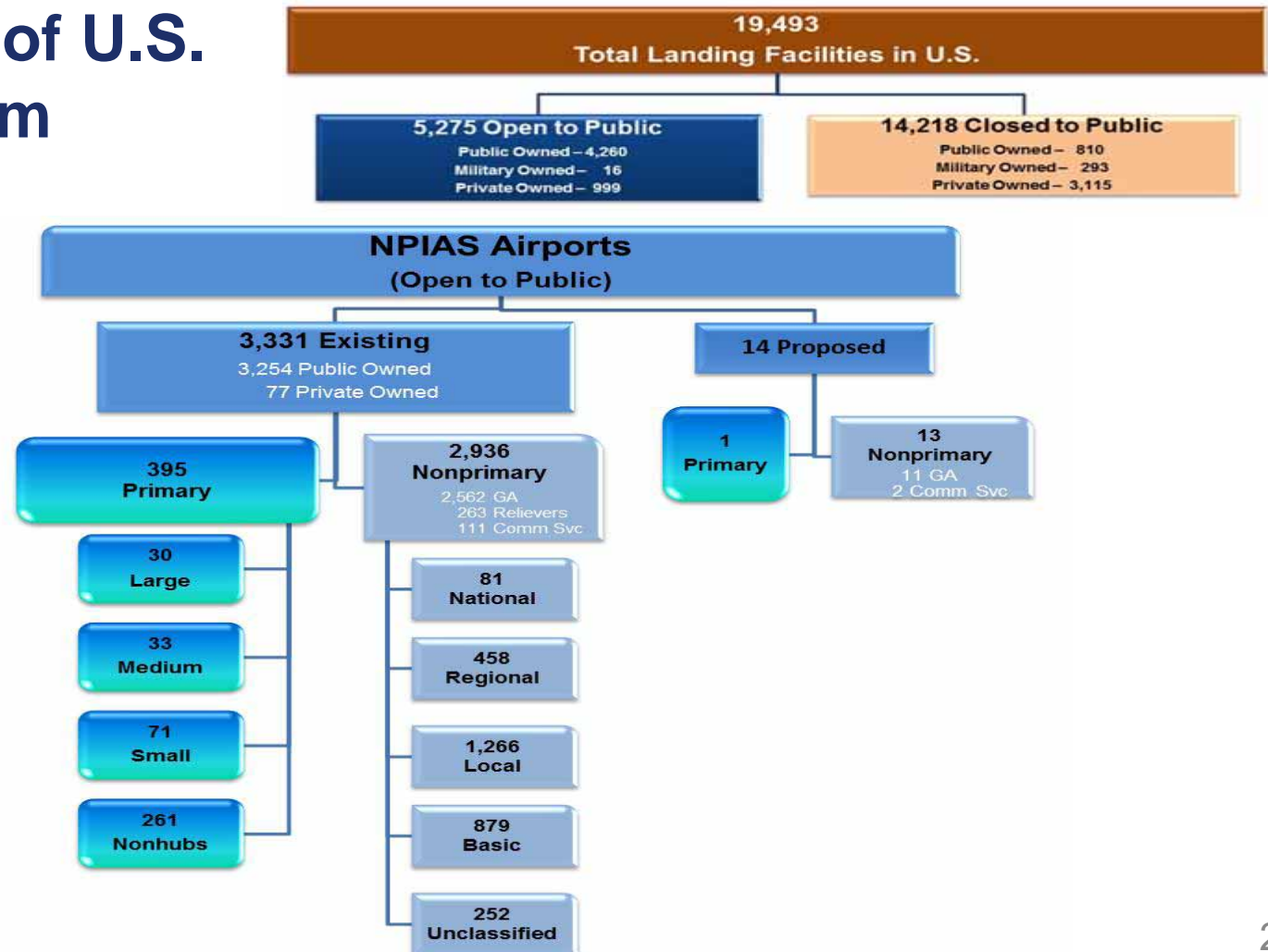
Federal Aviation
Administration



National Plan of Integrated Airport Systems (NPIAS)

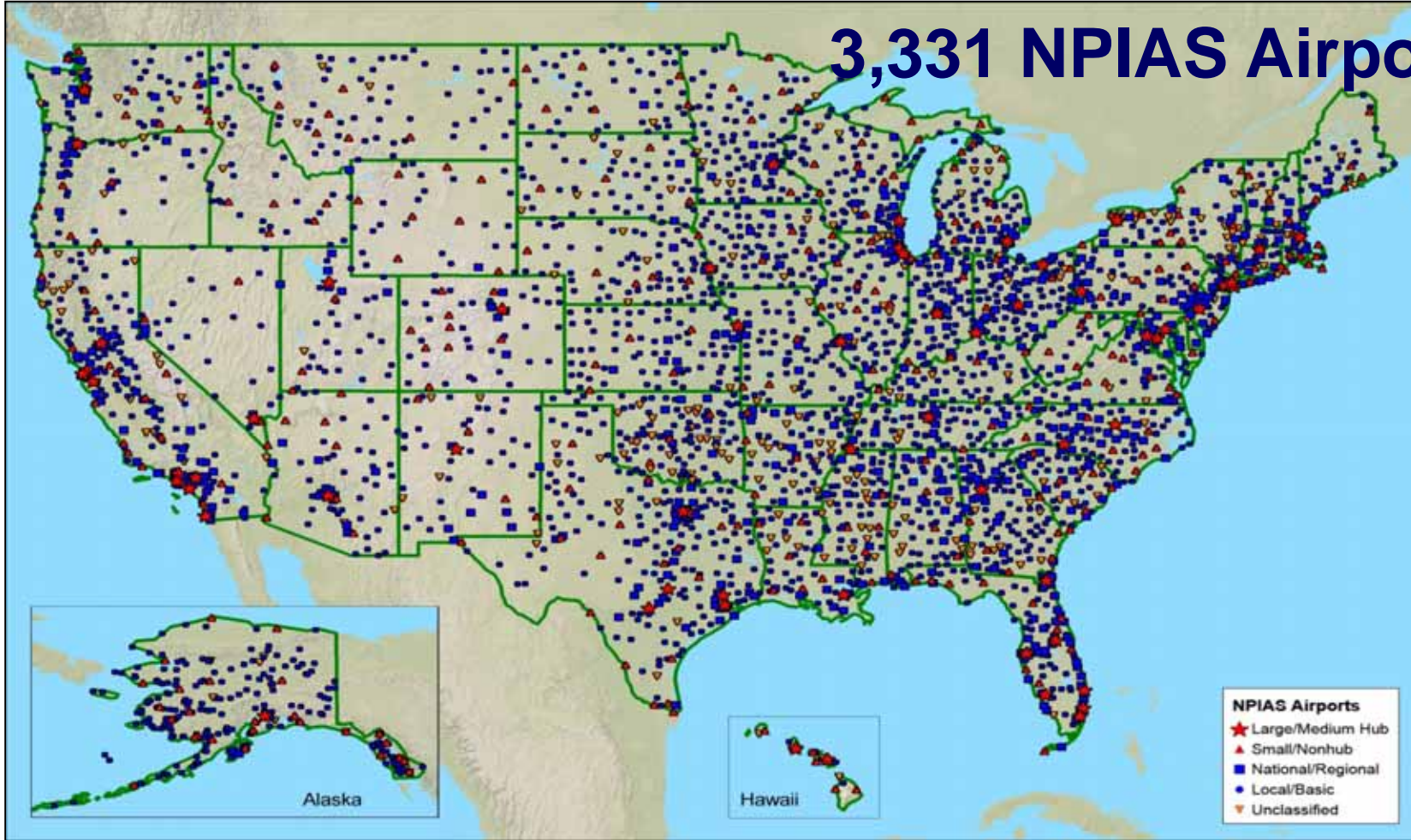
- Identifies public-use airports important to the national system
- Provides an estimate of AIP-eligible development necessary over the next 5 years to provide a safe, efficient, and integrated system of airports
- Reports on performance of airport system in six areas
 - ❖ Safety
 - ❖ Capacity
 - ❖ Environmental
 - ❖ Runway Pavement Condition
 - ❖ Surface Accessibility
 - ❖ Financial
- Available online at: http://www.faa.gov/airports/planning_capacity/npias/

Composition of U.S. Airport System



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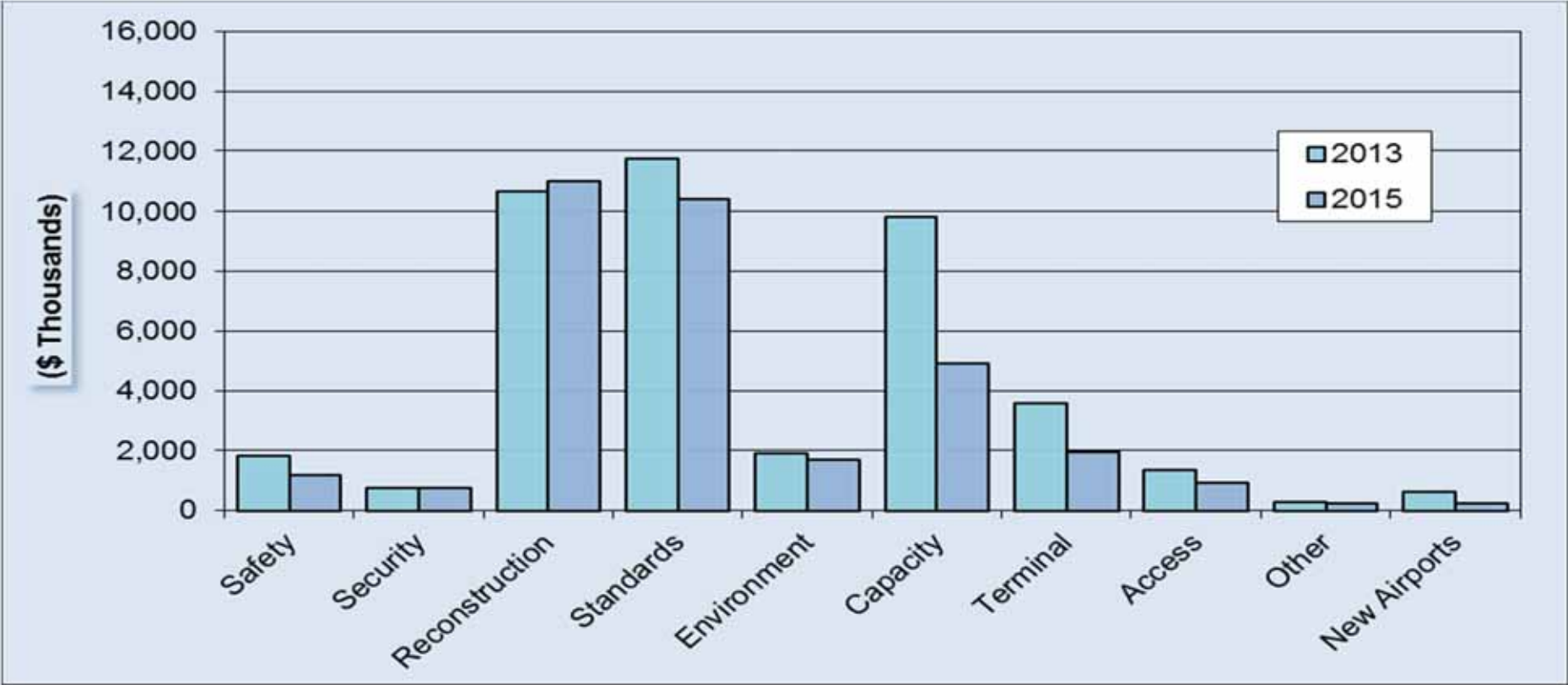
3,331 NPIAS Airports



Federal Role in Airport System

- Federal role in airport development is largely optimizing performance by providing federal funding (about \$3.3 billion year) for critical airport projects
- Projects are selected by taking into account the type of airport, activity levels, type of project, and goals for the system.
- Projects are grouped by their purpose (i.e., safety, capacity, rehabilitate, etc.)
- Development projects are grouped similar to the six factors relevant to the quality of transportation

Development by Type of Project between 2015-2019



- 70% of projects are to rehabilitate existing pavement and keep airports up to current standards
- 30% or projects are to accommodate growth in travel

Performance: **Safety**

System remains one of safest in world.

- AIP funds development to maintain safe airport conditions
 - Runway Safety Areas
 - Wildlife Hazard Assessments & Management Plans
 - Safety Management System Pilot Studies



Performance: Capacity

Delays are down.

- Group of airports with consistent delays (Aviation System Performance Metrics)
- Airport Development to improve capacity or reduce delays and includes new runways, taxiways, and apron construction and extension
- Alternative Capacity Enhancement Measures
 - NextGen
 - Congestion Management (New York, Chicago, San Francisco)



Performance: **Environmental**

Continuing improvement.

- Noise – continuing progress
- Air Quality – reducing local emissions through:
 - Voluntary Airport Low Emission (VALE) Program at commercial airports
 - Zero-Emission Airport Vehicles (ZEVs) and Infrastructure Pilot at airports
- Water Quality – working with industry to address water quality issues
- Airport Sustainability – working with industry to promote sustainable airport development



Performance: Runway Pavement

Adequate and safe.

- 4,386 Paved Runways at NPIAS airports
- 97.5% of these runways are in excellent/good/fair condition



5-7% of the runways
undergoing reconstruction
per year



Performance: **Surface Accessibility**

Good.

- 98.5% of population live within 20 miles of a NPIAS airport
- 29% of commercial service airports served by public transportation
- 30 large hub airports are served by at least one transportation mode *other* than a car
- 28 busy airports are served by rail with rail service planned at four more airports



Performance: **Financial**



Airport finances are stable.

- Carefully managing expenses (operating, financing, and capital)
- Airports in every category seeking ways to increase non-aeronautical revenues.
- Creditworthiness for large and medium hub airports remains strong

Summary

- Airport system is in a state of good repair and remains safe
- Airports continue to work on environmental issues and promote sustainable airport development
- Airports and Federal Government continue preparing for future demand by improving infrastructure and implementing NextGen
- Airports provide 98% of population with access to air transportation
- Airports remain in stable financial condition

Thank you!

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