



# Update on FAA's NextGen Program

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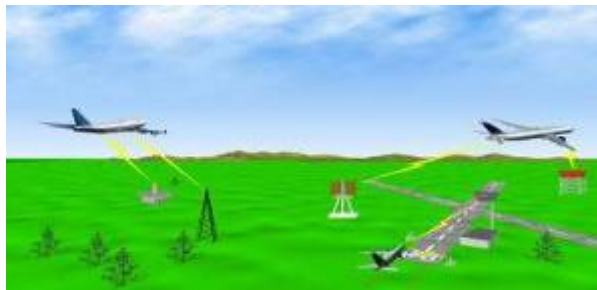
# NextGen: A Priority

- NextGen budget around \$1 billion per year
- Full commitment of the White House & the Department of Transportation
- Large infrastructure initiative
- Fiscal Concerns
  - Sequestration
  - Continuing Resolutions

# NextGen: *Delivering safety, sustainability, flexibility and economic viability*

## Today's National Airspace System

- Ground-based Navigation and Surveillance
- Air Traffic Control Communications By Voice
- Disconnected Information Systems
- Cognitive-Based Air Traffic "Control"
- Fragmented Weather Forecasting
- Airport Operations Limited By Visibility Conditions
- Forensic Safety Systems
- Focus on major airports
- Inefficient routes & fuel consumption

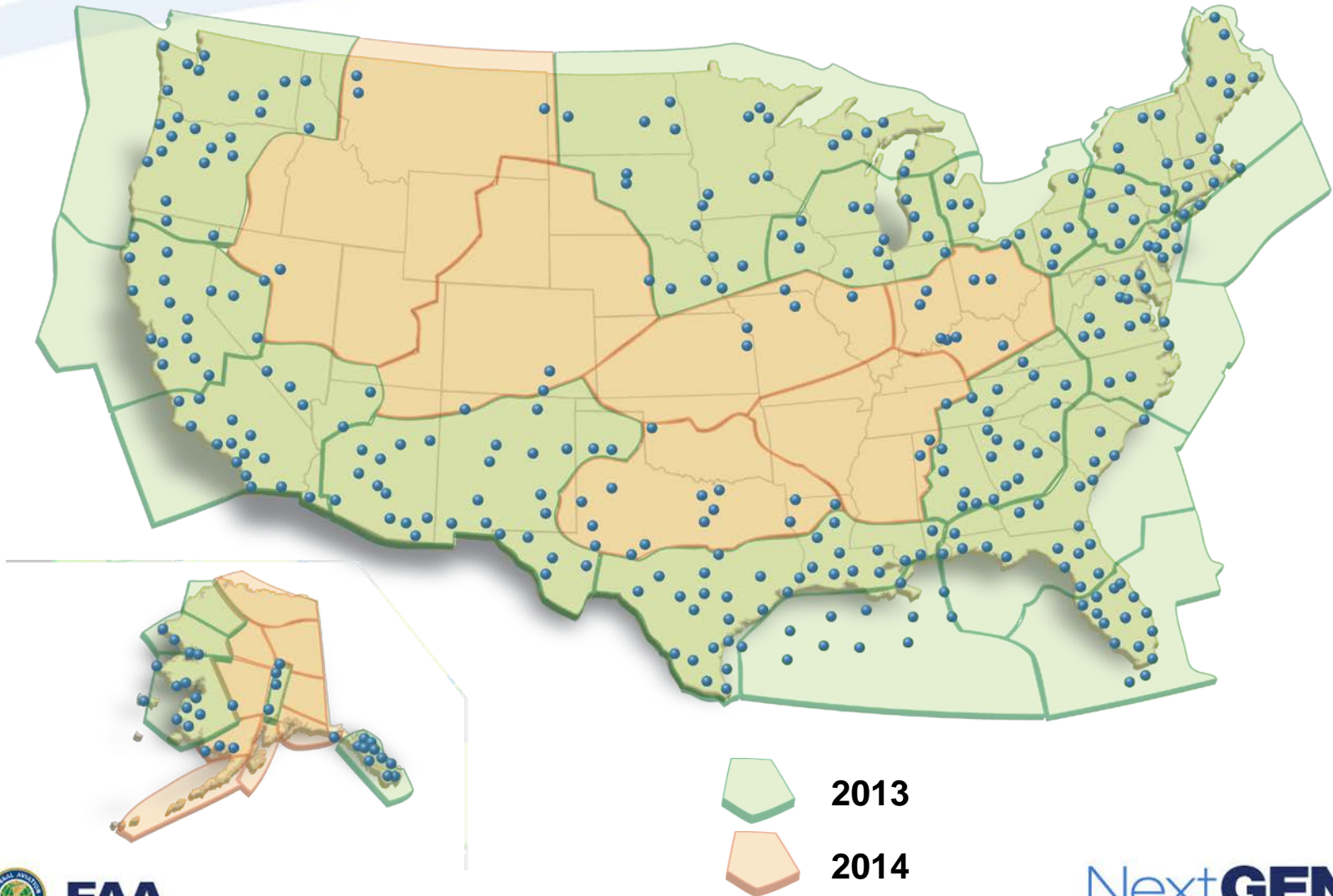


## NextGen

- Satellite-based Navigation and Surveillance
- Routine Information Sent Digitally
- Information More Readily Accessible
- Automation, Decision Support Tools
- Forecasts Embedded into Decisions
- Operations Continue Into Lower Visibility Conditions
- Prognostic Safety Systems
- Focus on metropolitan areas
- Shorter flight paths/ fuel saving procedures; alternative fuels; reduced noise



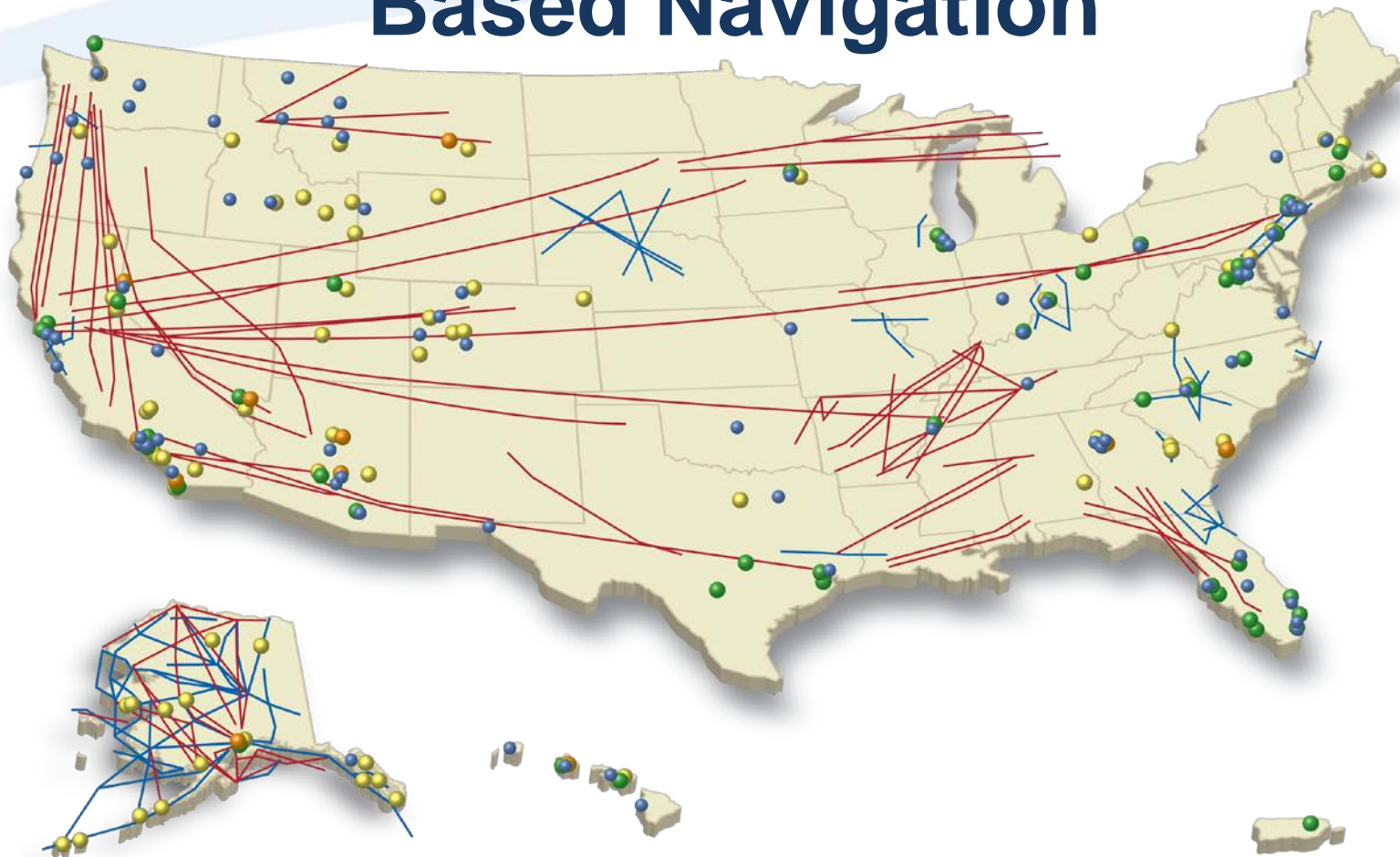
# Expansion of ADS-B



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# Increased Benefits of Performance Based Navigation



Q-Route    T-Route    SID    STAR    RNP    OPD







# Other PBN Related Airport Improvements



**New NextGen departure routes**

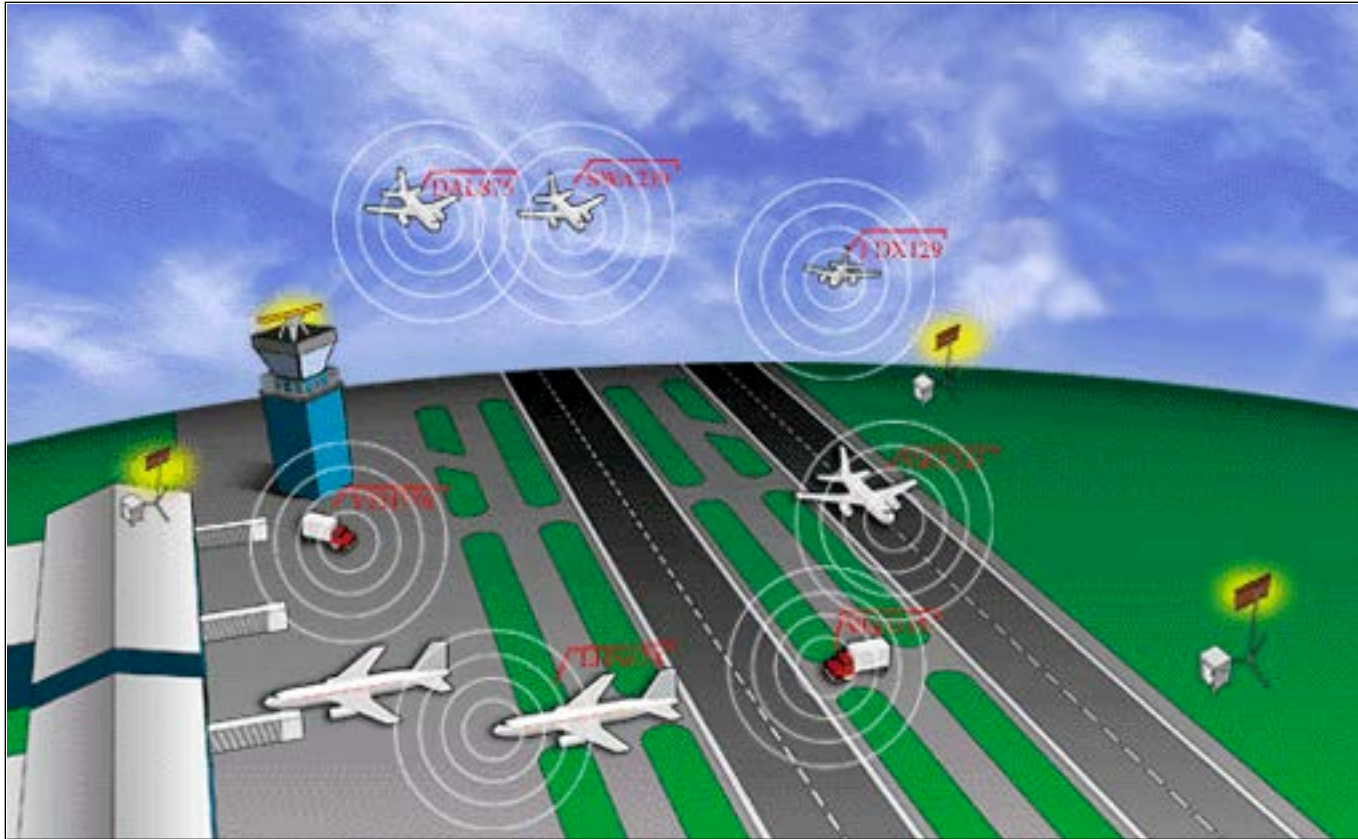
**Clearance of more aircraft per hour**

**Savings in time, fuel, and emissions**



# Airport Surface Improvements

More Efficient Ground Operations



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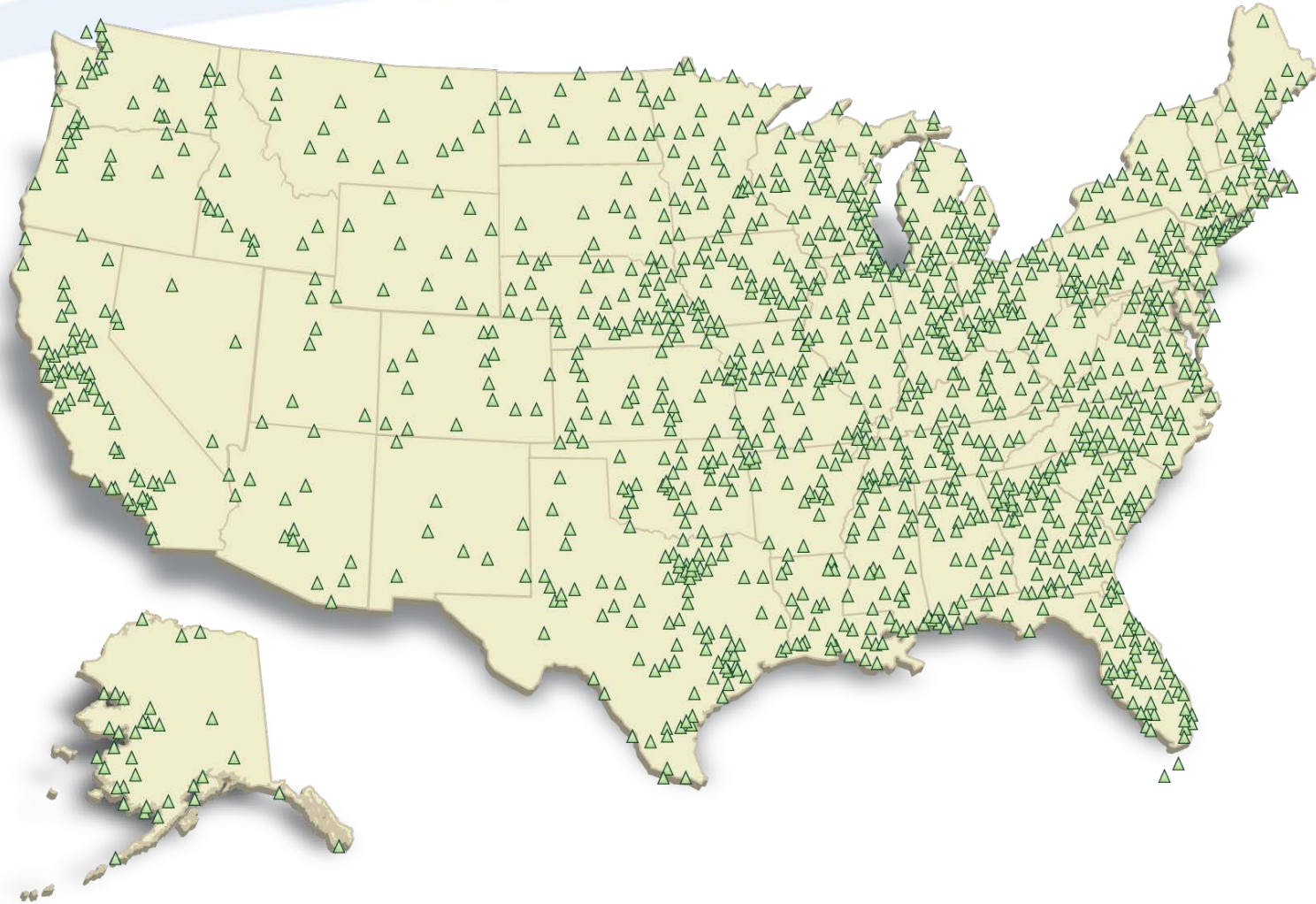


# Latest on DataComm

- Continued development to replace voice communications with data communications
- Data comm services to be deployed incrementally
- Departure clearances begin in 2016
  - Conducting trials at Memphis and Newark
  - Tests help reduce implementation risk
- Initial en route services begin in 2019



# The Importance of GA Airports



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# NextGen: America's Plan for Modernization

[www.FAA.Gov/nextgen](http://www.FAA.Gov/nextgen)

