Long-Term Air Transportation Study (LATS) Phase I Report:

Airport System Facility and Capacity Assessment

Burien City Council

November 27, 2006

Washington State Department of Transportation

Presentation Overview

What is the State's Interest in Aviation?

What's Been Done to Address the Future?

What is LATS?

What Did We Learn in Phase I?

What's Next?

What is the State's Interest in Aviation?

State aviation policy recognizes the following as the state's interest in aviation:

- ***Preserve*** aviation facilities and services that provide access to national transportation system and support local economies.

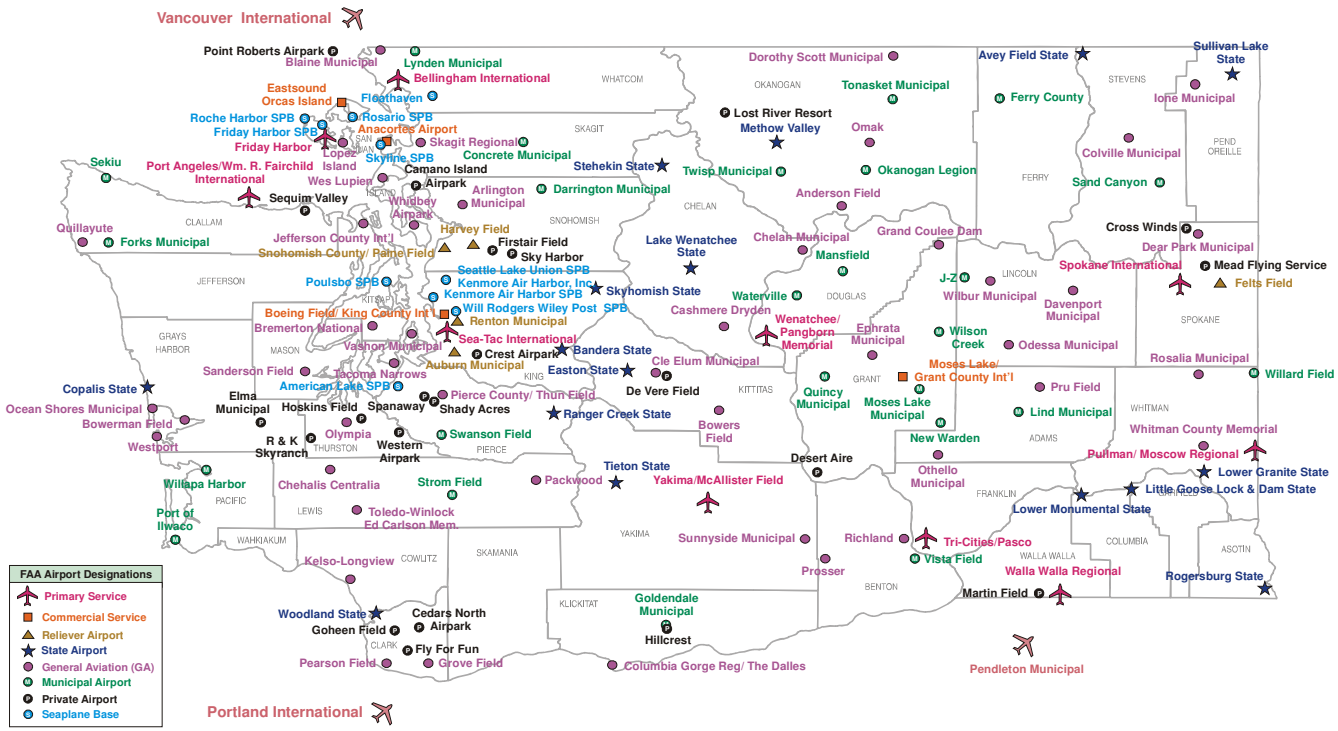
- Transportation by air is ***safe***.

- ***Capacity*** exists to respond to growth, demand and access across the state, nation and world.

- Lessen negative ***environmental impacts*** of airports on people and nature.

What is the State's Aviation System?

- 140 public use airports
- 20 airports with passenger service
- 14 commercial service
- 6 reliever



What's Been Done to Address the Future?

- PSRC Flight Plan (1992) (EB 9401) Findings:
  - 3rd runway at Sea-Tac
  - Major supplemental airports – Paine Field eliminated as preferred alternative.
  - Requested state begin process to address long range airport capacity needs.

- Long-Term Air Transportation Study (LATS) (2005)
  - Authorized by Legislature to determine current capacity and what will be needed to meet future demands to 2030.
  - Originally sponsored by Senators Keiser, Swecker, Poulsen, Schmidt and Haugen.

What the LATS Legislation Requires . . .

PHASE I	**WHAT WE HAVE**	▪Assess existing facilities ▪Develop a baseline ▪Introduce state classifications	Completed September 2006.
PHASE II	**WHAT WE NEED**	▪25-year activity forecast ▪Commercial market analyses ▪Air cargo forecast ▪High speed passenger rail assessment ▪Future capacity analysis ▪Summary of system requirements.	Currently underway; to be completed by July 2007.
PHASE III	**HOW WE MEET THE NEEDS**	Governor appointed planning council to provide recommendations for future airport strategies and statewide investments.	Will commence in July 2007; to be completed by July 2009.

What is Required in Phase I?

- Statewide assessment of existing airport facilities, passenger and air cargo transportation capacity.

- Studies both general aviation and commercial facilities with a primary focus on commercial.

- Includes air side, land side and airport service facilities; existing airport capacity and services and existing airspace capacity.

- Draft report submitted to the legislature, governor, Transportation Commission and RTPOs. (Also made available to the public.)

What is Required in Phase II?

- Statewide needs analysis of airport facilities, passenger and air cargo transportation capacity, and demand forecast over next 25 years. Based on passenger / air cargo operations and demand, airline planning, trends, etc.

- More detailed analysis on four special emphasis regions: Puget Sound, Southwest Washington, Tri-Cities and Spokane.

- Determine when existing commercial airports will reach capacity.

- Determine roles of state, MPOs, RTPOs, FAA and airport sponsors in addressing statewide needs.

- Conduct high-speed passenger rail study.

- Submit analysis to legislature, governor, Transportation Commission and RTPOs. (will also make available to the public)

What is Required in Phase III?

- Governor will appoint ten member aviation planning council after statewide assessment and analysis is completed.

- WSDOT shall provide all administrative staff support for council.

- Using the assessment and analysis, the Council will make recommendations on:
  - which regions of the state need airport facility improvements
  - long-range capacity needs at airports within the region expected to reach capacity before2030
  - placement of future commercial and GA airport facilities designed to meet the need for improved aviation planning in the region.

- Council to submit recommendations to legislature, governor, Transportation Commission and applicable RTPOs by July 1, 2009

Phase III - Planning Council

Legislation calls for council to be comprised of the following members:

- WSDOT Aviation Director
- Director of CTED
- Member of Transportation Commission
- Two members of general public
- FAA technical expert
- Commercial airport operator
- Member of GMA hearings board
- WAMA representative
- Airline representative

Funding

- FAA authorized $900,000 for Phases I and II
- State funding includes $100,000 multi-modal fund
- High-speed passenger rail assessment includes $50,000 multi-modal fund.

What Did We Learn in Phase I?

Capacity Assessment

Facilities and Services Assessment

How Did We Measure Existing Capacity?

- Passenger Capacity
- Air Cargo Capacity
- Aircraft Storage Capacity
- Airport Operations Capacity

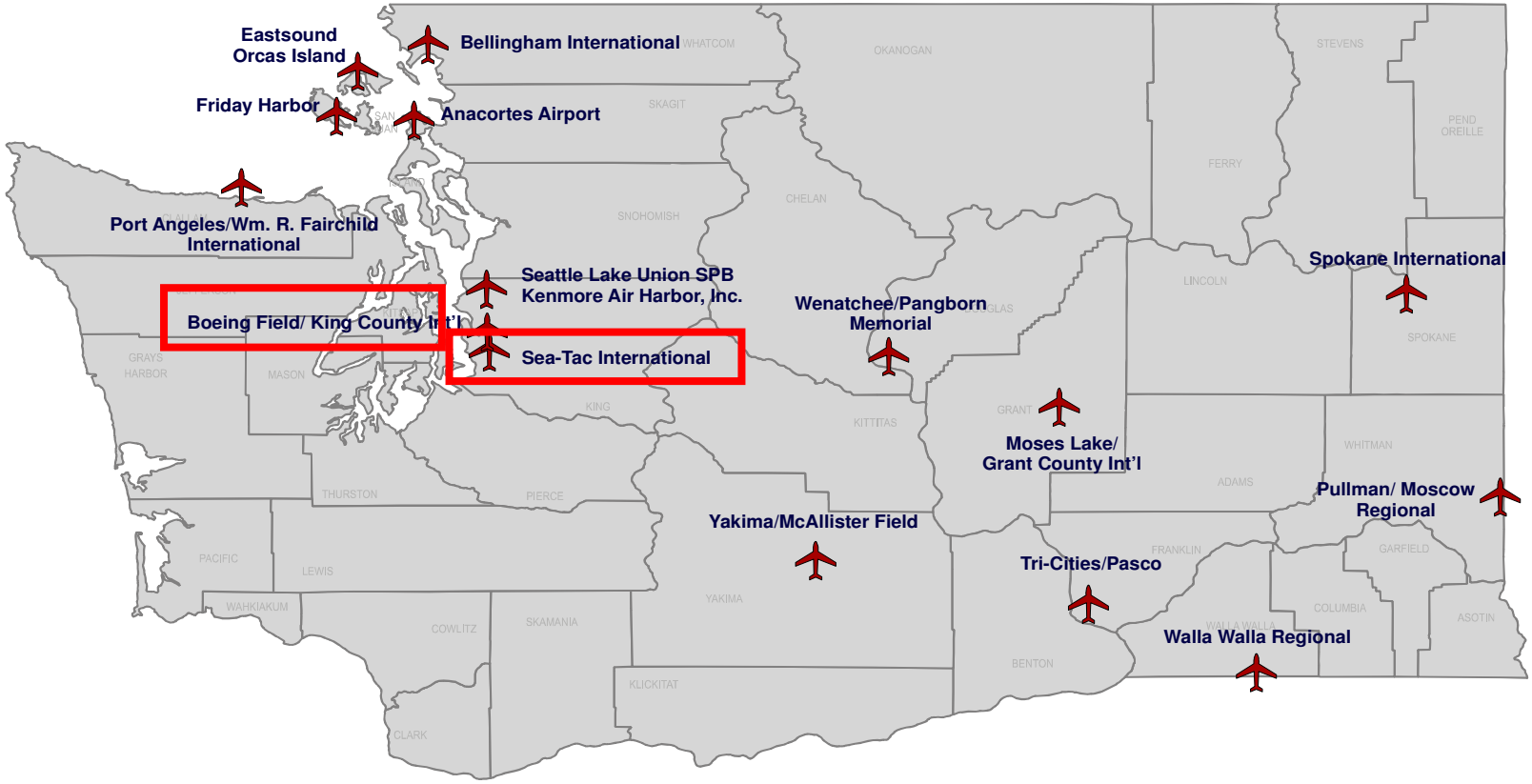
Passenger Capacity

Only Sea-Tac and Tri-Cities found to exceed 60% capacity utilization.

Air Cargo Capacity

Cargo capacity at Washington State airports mostly underutilized

Exceptions are Sea-Tac (80%) and Boeing Field/King County Int'l (60%)



Aircraft Storage Capacity

Aircraft parking and hangar storage has reached 85% statewide.

Several airports are close to reaching maximum utilization levels.

Aircraft Operations Capacity

Six airports at or approaching 60%

Harvey

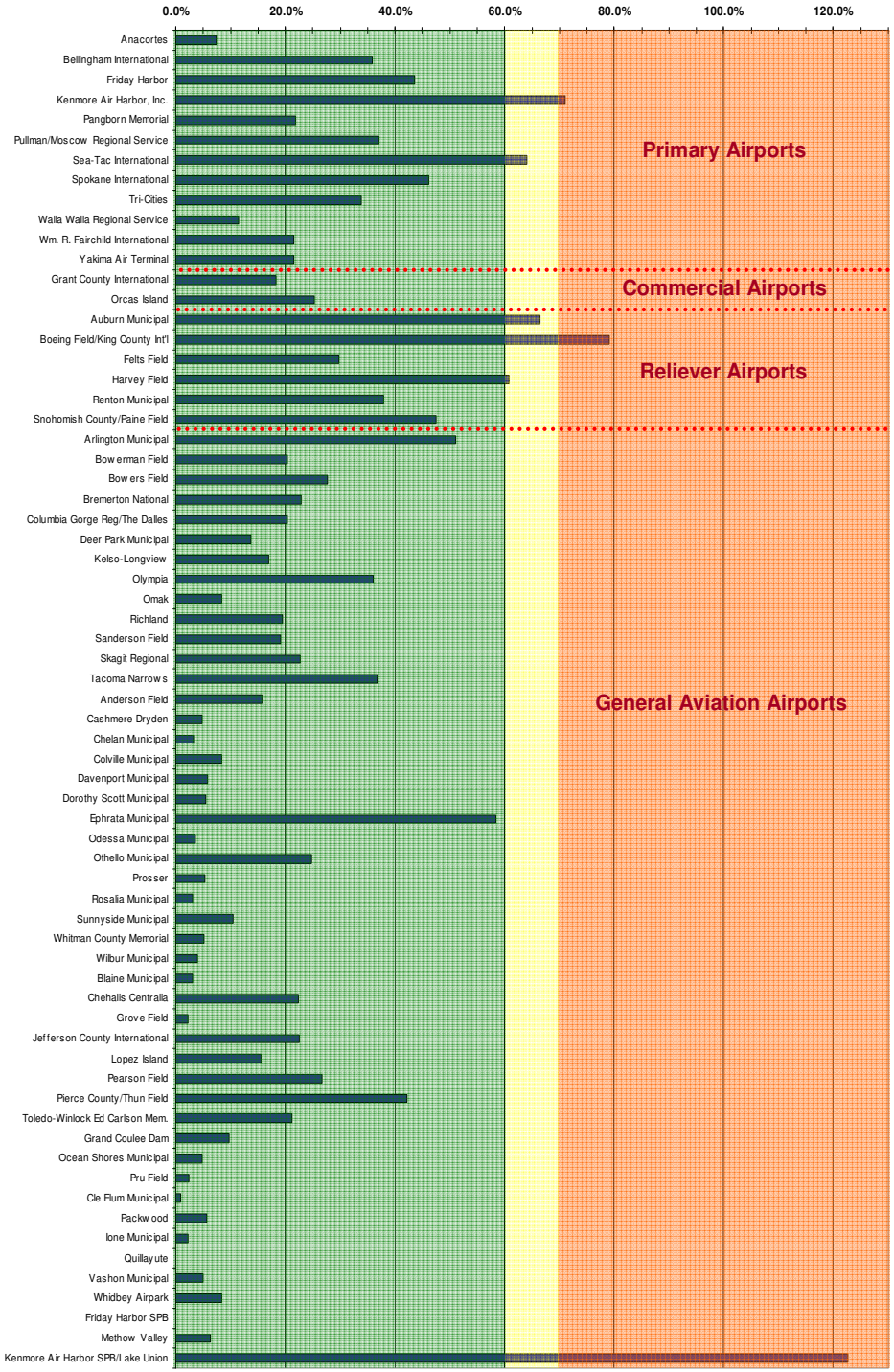
Sea Tac

Auburn

Boeing Field

Kenmore Air (Lake Washington)

Kenmore Air (Lake Union)



How Do We Measure Facilities and Services Performance?

State Classifications . . .

. . . identify an airport's role and contribution to the local, regional, statewide and national air transportation system

Performance Objectives . . .

. . . address a variety of facilities and services based on the airport's function in the system.

What's Next?

- Phase II currently underway – using Phase I baseline information to determine 25 year future demand.

- Final Phase I and II reports to be released in July 2007.

- LATS presentations/briefings throughout 2007.

- WSDOT to meet with Technical Advisory Committee in 2007 to review draft reports and technical documents.

How Can You Stay Involved?

- Read the Phase I Report at: WWW.WSDOT.WA.GOV/AVIATION

- Submit Technical Comments by January 31, 2007

- Subscribe to the Aviation News Service for updates at AVIATION@WSDOT.WA.GOV

- Contact Nisha Marvel for more information: MARVELN@WSDOT.WA.GOV

Visit the LAT's Web site:

www.wsdot.wa.gov/aviation/LATS.htm