

EAT Airport Master Plan

Planning Advisory Committee (PAC) Meeting #1

August 31, 2016



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CONGRATULATIONS!



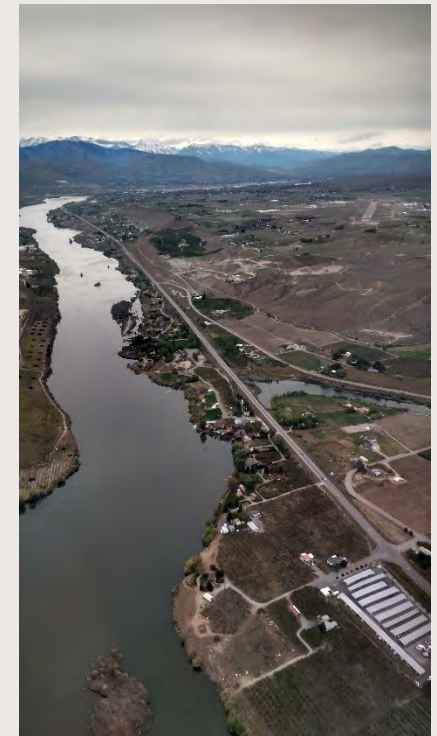
*1,300 feet
.... it's now
the length
behind you!*



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Meeting Agenda

1. Introductions
2. Airport Master Plan Overview
3. PAC Role and Public Engagement Plan
4. Review Inventory Chapter Materials
5. Strengths, Weakness, Threats, Opportunities (SWOT) Exercise

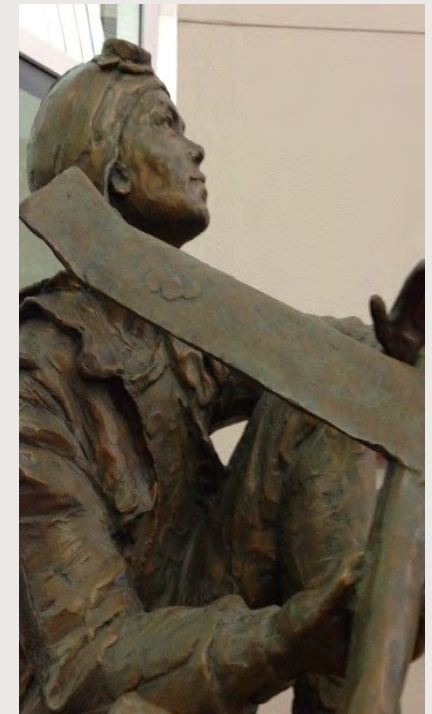


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1. Introductions

1. Airport & Port Staff
2. Project Team
3. Planning Advisory Committee
4. Public in Attendance

Airport Point of Contact: Trent Moyers
Consultant Point of Contact: Jeff Smith



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1. Introductions

Who is working on the Airport Master Plan?

- **Airport Management and Ports**
 - Guide Plan Process
 - Lead Agency Coordination
- **Planning Advisory Committee (PAC)**
 - Advise Airport
 - Provide Plan Feedback
- **Plan Stakeholders**
 - Airport Tenants
 - Government and Civic
 - Industry and Tourism
 - General Public/Neighbor
- **Mead & Hunt**
 - Airport Planners, Engineers, Architects, Environmental Specialists
- **Envirolssues**
 - Public Engagement
- **RH2 Engineers**
 - Airport Stormwater / Vehicle Access
- **Geoterra**
 - Airport Aerial Mapping & AGIS

This is the Airports' Plan!

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2. Master Plan Overview

Why Update the Airport Master Plan?

The Federal Aviation Administration (FAA) insists the Pangborn Memorial Airport (EAT) update the airport master plan, to properly identify project improvements for future funding consideration.

2. Master Plan Overview

Why Update the Airport Master Plan?

- FAA Recommends About Every 10 Years
- Changes Since the 2004 EAT Master Plan ...
 - FAA Standards & Compliances
 - Aviation industry
 - Wenatchee Valley
- Update Airport Layout Plan (ALP)
- Update Capital Improvement Plan (CIP)



This Plan is a long-range strategic process!

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2. Master Plan Overview

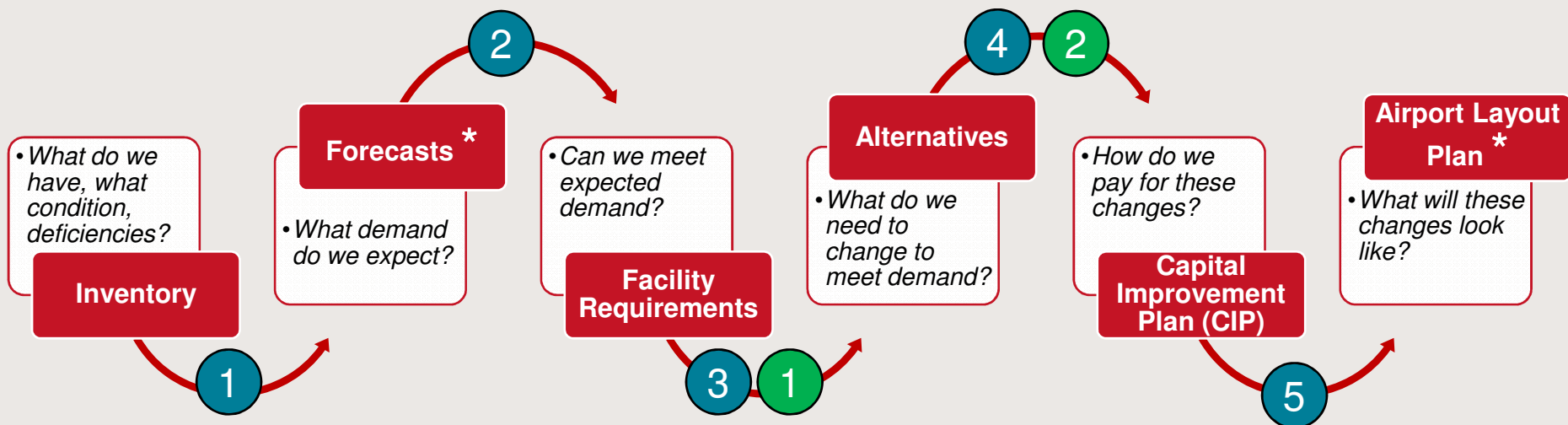
The Airport Master Plan is a Capital Facilities Plan
and is Not:

- Business Plan
- Marketing or Promotional Tool
- Safety Risk Analysis Study
- Comprehensive Environmental Study
- Detailed Engineering Design Study

**Example: Develop General Aviation Facility and Site
Improvements = Yes; How to Run General Aviation Services = No**

2. Master Plan Overview

What is the Process?



Stakeholder Coordination & Public Outreach

* FAA Approval Required

PAC

Public

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3. PAC Role & Public Engagement Plan

PAC Mission:

Provide internal and external perspectives and advise on the Airport's recommended planning course-of-action.

3. PAC Role & Public Engagement Plan

PAC Responsibilities:

- Identify SWOT factors - per airport and community interests
- Review interim reports and study documents
- Provide feedback and insight on Plan recommendations
- Recommend a 'preferred' master plan course-of-action to Airport
- Give feedback on the strategy to inform and engage the general public
- Attend scheduled PAC scheduled meetings (5)
- Promote and attending public outreach open-house meetings (2)

3. PAC Role & Public Engagement Plan



Engagement Plan:

Activities:

- Interviews/Survey
- PAC Meetings
- Port Briefings
- Public Open Houses
- FAA Meetings

Outreach Tools:

- Plan & Meeting Deliverables
- Airport Project Website
- Online Tools / Survey
- Media/Social Venues
- Community/Civic Exposure
- Email Updates
 - Briefings, Newsletters/Fact Sheets

4. Inventory Chapter 1

Purpose of Inventory Chapter:

- Documents the baseline data
- “What does the Airport have?”
- “What are the conditions and deficiencies?”
- “What are environmental considerations?”
- Leads to:
 - “Can the Airport meet demand?”
 - “What needs to be built in the future?”

4. Inventory Chapter 1

*Are ther Any PAC questions on
Working Paper #1 – Introduction
and Inventory/Environmental
Overview?*

Aircraft Types – General Aviation

- Single Engine Piston



- Multi Engine Piston



- Helicopter



- Turbopropeller



- Business Jet



- Other/Glider



Aircraft Types – Passenger and Air Cargo

- Airline Turboprop Transport (Q400)

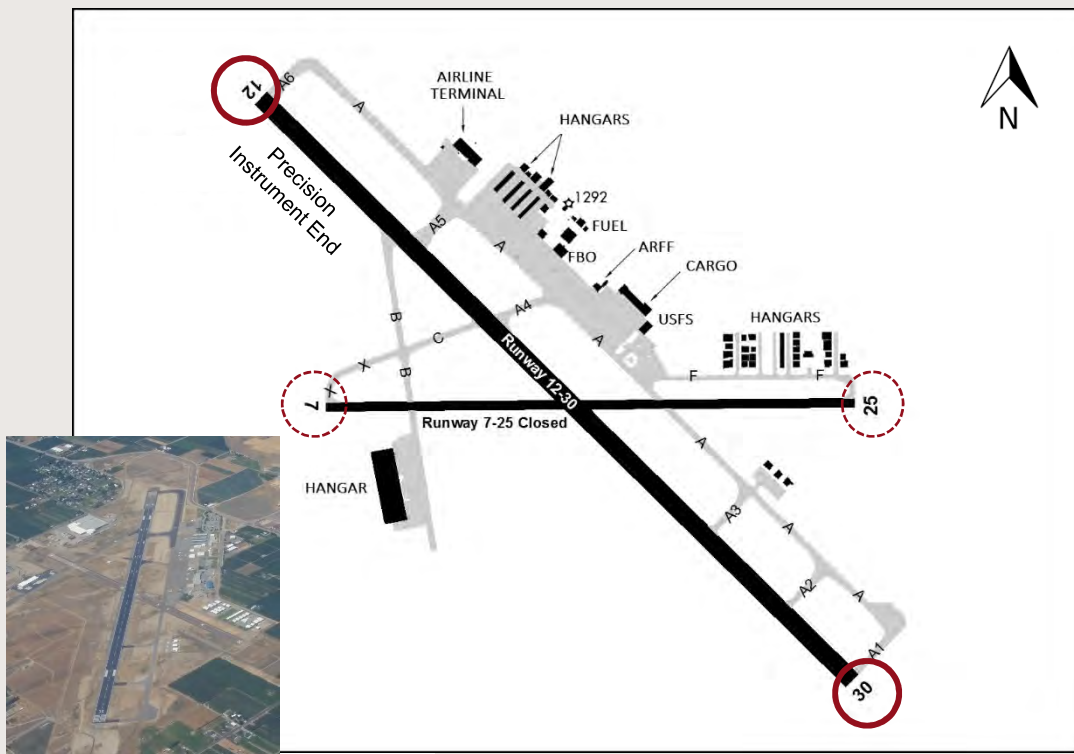


- Air Cargo Turboprop (Caravan)



4. Inventory Chapter 1

Airport Facilities & Activities:



Quick Facts:

Airfield:

Runway 12-30 (7,000' x 150')

User Groups:

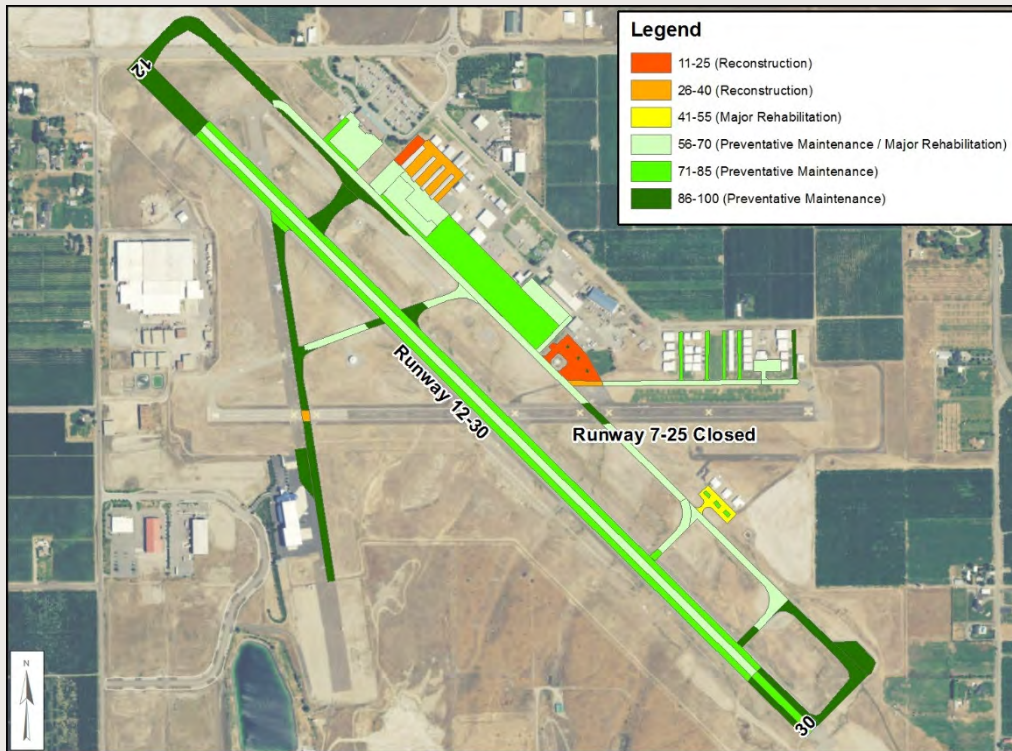
- Airline (Alaska Airlines)
- Air Cargo
- General Aviation
- US Forest Service
- Military

Airport Activity (Per Year):

- Total Passengers = 121,000
- Aircraft Operations = 40,000
- Based Aircraft = 104

4. Inventory Chapter 1

Pavement Condition (2013 Inspection)



Quick Facts:

Total Aviation Pavements:
3 Million Square Feet = 60 Acres
(Excludes Runway 7-25)

Pavement Conditions:
Preventative = 58%
Major Rehabilitation = 36%
Reconstruction = 6%

4. Inventory Chapter 1

Passenger Terminal Building:



Quick Facts:

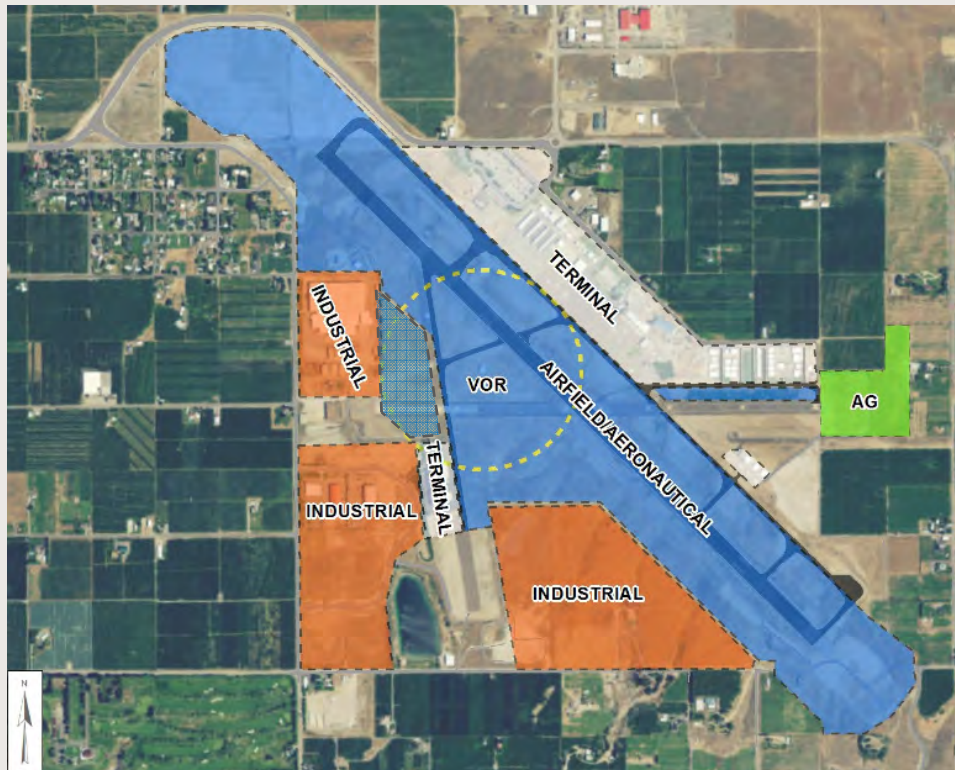
Total Building:
19,000 SF

Building Areas:
Airline: 7,000 SF
TSA: 2,150 SF
Tenants: 2,400 SF
Administrative: 1,150 SF
General: 6,300 SF

Building to be Assessed for 'Level of Service'

4. Inventory Chapter 1

On-Airport Land Uses



Quick Facts:

Total Airport Property:
698± Acres (Fee)

On-Airport Land Uses:
Aeronautical: 400 Acres
Non-Aeronautical: 298 Acres

4. Inventory Chapter 1

Runway Wind Coverage:

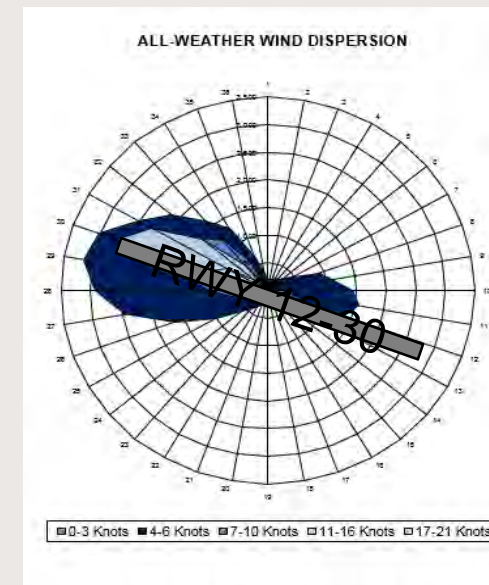
Runway	10.5-Knot Component	13-Knot Component	16-Knot Component	20-Knot Component
ALL-WEATHER WIND DATA OBSERVATIONS (PERCENT COVERAGE)				
Runway 12-30	98.92%	99.44%	99.79%	99.94%
Runway 7-25 (Closed)	96.52%	98.78%	99.72%	99.95%
Runway 12-30 & Runway 7-25 Combined	99.78%	99.89%	99.95%	99.98%
INSTRUMENT WIND DATA OBSERVATIONS (PERCENT COVERAGE)				
Runway 12-30	99.86%	99.92%	99.96%	99.98%
Runway 7-25 (Closed)	99.78%	99.88%	99.95%	99.99%
Runway 12-30 & Runway 7-25 Combined	99.93%	99.95%	99.97%	99.99%

NOTE: CROSSWIND COMPONENT COMPUTED USING RUNWAY TRUE BEARINGS (135.018, 90.023)

NOTE: ALL WEATHER CONDITIONS: PERIOD OF RECORD: 2006 TO 2015 WITH 102,364 OBSERVATIONS.

NOTE: IFR WEATHER CONDITIONS: PERIOD OF RECORD: 2006 TO 2015 WITH 17,324 OBSERVATIONS.

NOTE: VFR WEATHER CONDITIONS: PERIOD OF RECORD: 2006 TO 2015 WITH 85,409 OBSERVATIONS.



4. Inventory Chapter 1

Airport User Survey:

Purpose

- Quantify User Activity Levels
- Understand Future Aviation-User Intentions
- Identify User Perceptions of Airport

Targeted Users (Web-based Questionnaire)

- Based Aircraft Owners
- Airport Tenants
- Key Itinerant Users / Prospective Users-Tenants



Survey Responses Totaled, Not Reported Individually!

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5. SWOT

		SWOT TABLE	
		Helpful	Harmful
		<u>P</u> ositive To Achieving the Objective	<u>N</u> egative To Achieving the Objective
Internal Origin	Attributes Within Airport Influence	<u>S</u>trengths	<u>W</u>eaknesses
External Origin	Attributes Beyond Airport Influence	<u>O</u>pportunities	<u>T</u>hreats

<u>S</u>trengths:	Advantageous quality.
<u>W</u>eaknesses:	Disadvantage or deteriorating influence.
<u>O</u>pportunities:	Controlled potential benefit to exploit or capitalize.
<u>T</u>hreats:	Uncontrollable potential vulnerability, risk, or detriment.

- **Internal Factors – In Airport Control**
 - How do we capitalize on our strengths?
 - How do we address our weaknesses?
- **External Factors – Out of Airport Control**
 - How do we position for the opportunities?
 - How do we mitigate the threats?

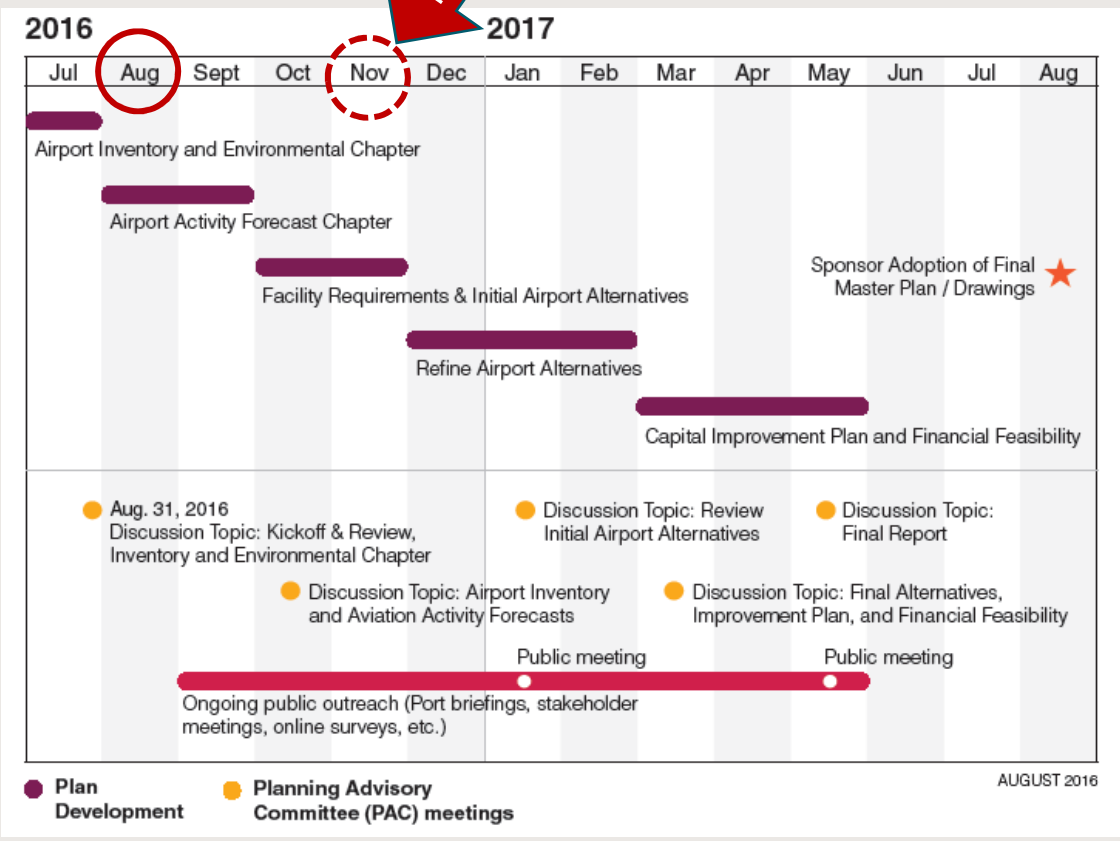
PAC to Provide SWOT Input

Next Steps

PAC Actions:

1. Inquire with Airport regarding questions or comments on PAC Roles & Responsibilities
2. Review and Provide Comment on PAC Meeting #1 Summary and Working Paper #1; Submit remarks via email to Airport by September 20.
3. Review upcoming Working Paper #2 Forecast Chapter prior to the expected November PAC Meeting #2.
4. In meantime ... notify Airport of information that might impact the Airport Master Plan

Next Steps



Next Steps

PAC Meeting Schedule:

Plan Milestones	Plan Timeline (Estimated)
PAC Meeting #1: Kickoff & Review Draft Inventory/Environmental Chapter/ <u>SWOT</u>	August 30, 2016
PAC Meeting #2: Review Final Inventory / Forecast	November 2016
PAC Meeting #3 / Public Outreach #1	January – February 2017
PAC Meeting #4: Final Airport Alternatives	March 2017
PAC Meeting #5 / Public Outreach #2	May 2017
Sponsor Adoption of Final Master Plan / Drawings	June - August 2017
Note: Port presentations and briefings expected to coincide with PAC meetings dates.	



Next PAC Meeting

Questions and Comments



Thank you!

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