

# Oregon Airport Management Association Meeting

Seattle ADO Update  
Ben Dahle  
Jason Ritchie

February 16, 2016



Federal Aviation  
Administration



# FAA Update - Topics

- **ADO Personnel**
- **Legislative Update**
- **Current News**
- **Oregon Grants**
- **Benchmark Schedule**
- **Recent Issues**
- **Reminders**



- **Personnel Updates.....**

- Vacant Position

- ~~Seattle ADO Assistant Manager~~

- Oregon Planner

- Welcome to:

- **Mathew Wilder** our new Project Manager for Oregon
    - **Randal Anton** our new Project Manager for Washington
    - **Joelle Briggs** our new Seattle ADO Manager
    - **Randy Fiertz** our new Airports Division Manager (Regional Office)
    - **Jason Ritchie** our new Seattle ADO Assistant Manager



# PROJECT MANAGERS FOR OREGON AIRPORTS

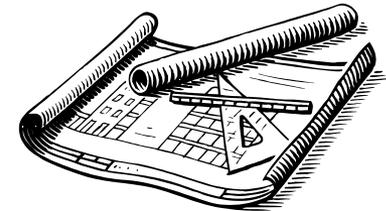
**Ben Dahle, Oregon State Engineer**

**Sandy Simmons, Lead Civil Engineer**

**Dan Stewart, Civil Engineer**

**Mathew Wilder, Civil Engineer**

**Jason Ritchie/Vacant, State Planner**



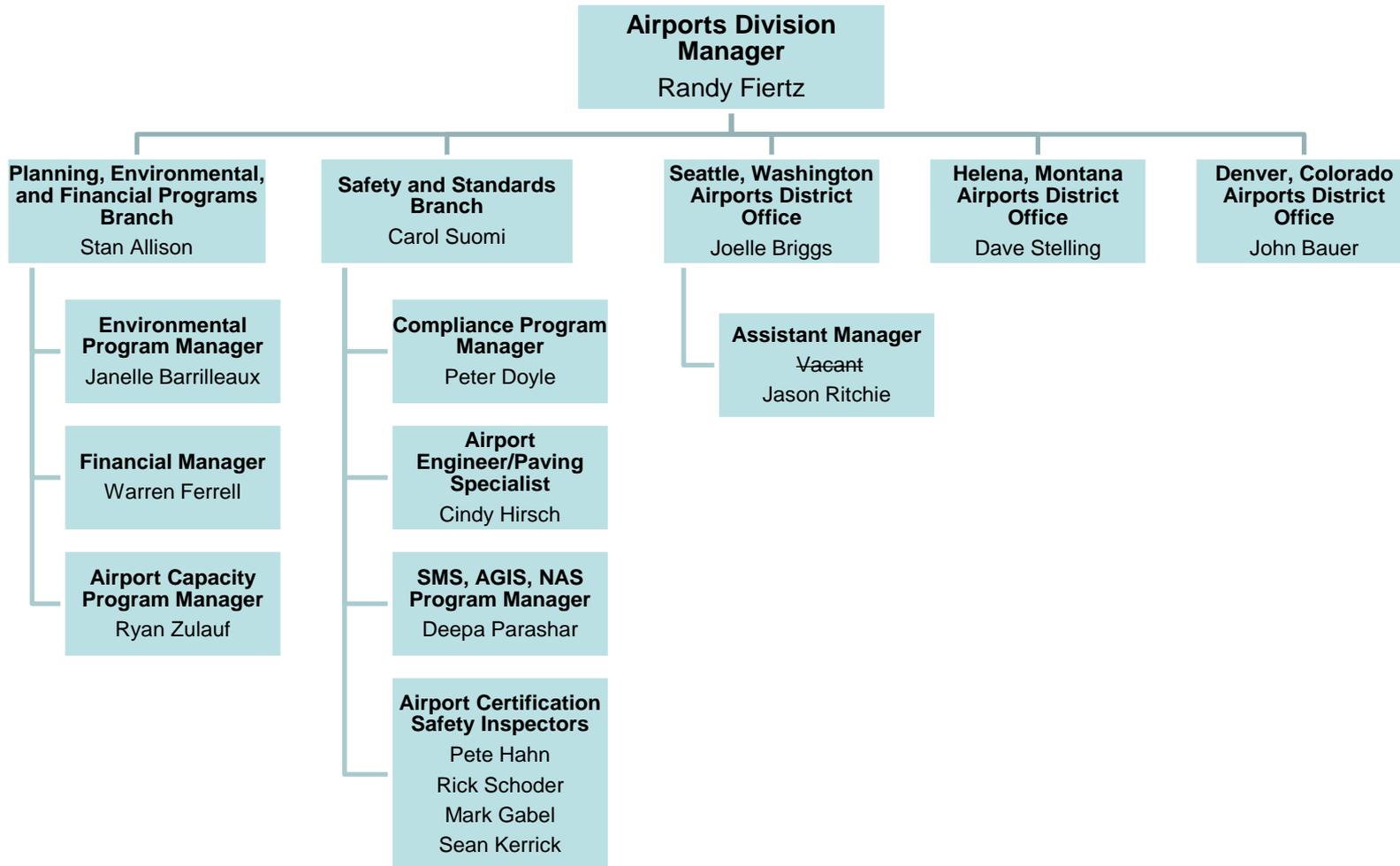
# Oregon State Project Managers

<b>SANDY</b>	<b>DANIEL</b>	<b>BEN</b>	<b>MAT</b>
<i>Technical Lead</i>	<i>Airspace</i>	<i>State Engineer</i>	
SeaTac, WA	Creswell	Medford	Klamath Falls*
Portland	Roseburg	Redmond	Aurora
Eugene	Ashland	Pendleton	Cave Junction*
North Bend	The Dalles	Bend	Scappoose*
Hillsboro	La Grande	Salem	Grants Pass*
Troutdale	Madras	Corvallis	John Day
	Brookings	McMinnville	Albany
	Hood River	Prineville	Cottage Grove
	Newport	Astoria	Mulino
	Burns	Tillamook	Bandon
	Florence	Baker City	Lebanon
	Gold Beach		Gleneden
	Lexington		Joseph
	Lakeview		Condon
	Myrtle Creek		Chiloquin
	Christmas Valley		Wasco
			Independence
			McDermitt



# Northwest Mountain Region - Airports Division Organization Chart

As of February 9, 2016



# Legislative Update

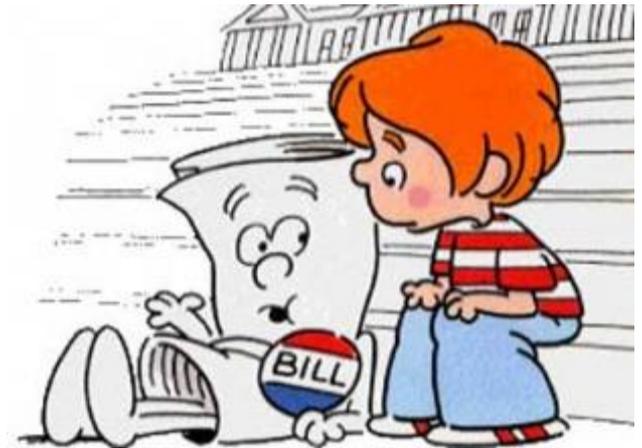
**What we know...** Current extension through March 31, 2016

**What we've heard . . . .** At least two part program  
Part A and B (maybe more)

**What we're doing about it . . .**  
Requesting carryover early, prepare for grants

**What it means for you...**

Need patience and flexibility  
Get grant paperwork in on time, SOW's,  
Designs, Bids open



# Current News!

- **FAA Advisory Circular 150/5300-18B General Guidance and Specifications for Submission of Aeronautical Surveys to NGS: Field Data Collection and Geographic Information System (GIS) Standards**
- **2 CFR 200: Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards**
- **Obstacle Action Plans (OAPs)**
- **Mods to Standards**



# 2 CFR Part 200 Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards

- **Effective Date December 26, 2013**
  - Combined 8 OMB Circulars into one document
  - Government wide framework
  - Streamline our guidance for Federal awards to ease administrative burden
  - Strengthen oversight over Federal funds to reduce risks of waste, fraud, and abuse



## 2 CFR 200 – What it means for Sponsors

- Consultant is not eligible to compete for an RFQ or RFP they helped prepare.
  
- CIP development does not automatically exclude a consultant
  - Needs full and open disclosure of CIP to all firms
  
- Separate selection for Master Plans and follow on development work



- **FAA AC 150/5100-14E** *Architectural, Engineering, and Planning Consultant Services for Airport Grant Projects*

*Section 2.3.3.:*

- Apparent lack of impartiality if the planning firm is determining the preferred development
- Diminished transparency given that the development objectives are not established prior to selection
- Firms that specialize may be unfairly excluded when services combined.



# Obstacle Action Plans

- Establish and maintain clear approach and departure surfaces at airports
- Based on TERPS 20:1 Surface
- Required prior to grant
- Sponsor's Responsibility
- ADO reviews but does not approve



- **Obstacle Disposition Plan**

- Adds the “When” to the What, Where, How

Obstacle Disposition Plan					
Obstacle Reference Number	Obstacle Type	Obstacle located ON or OFF Airport	Under Sponsor Control	Proposed Disposition of the Obstacle	Proposed Disposition Completion Date
15-3456	Tree	OFF	NO	Work with land owner to remove or lower	12/31/15
15-3457	Tree	OFF	NO	Work with land owner to remove or lower	1/1/16
15-3458	Tree	OFF	NO	Work with land owner to remove or lower	1/2/16
15-3459	Tree	OFF	NO	Work with land owner to remove or lower	1/3/16
15-3460	Tree	OFF	NO	Work with land owner to remove or lower	1/4/16
15-3461	Tree	OFF	NO	Work with land owner to remove or lower	1/5/16



# Sources of Obstruction Data

- **ALP Data**
- **Airports GIS Surface Analysis & Visualization Tool**
  - [airports-gis.faa.gov](http://airports-gis.faa.gov)
  - Login and access Surface Analysis and Visualization
- **Obstruction Surveys**
- **Pilot Reports**
- **Inspections**





### Surface Analysis and Visualization - Map

- Airport**
- Visualization**
- Verification**
- Penetration Report**
- Compliance Plan**
- Mitigation Summary**
- Notes**

#### Summary

Airport: PWM PORTLAND INTL JETPORT  
 City: PORTLAND

#### Utilities

- Export Verification
- Export Penetration Report
- Export Compliance Plan
- Export Mitigation Summary

#### Online Help/Resource

Online Help

#### Legend

- Red: > 11 ft.
- Yellow: >3 ft. but <= 11 ft.
- Green: <= 3 ft.
- Penetrates 30:1
- TERPS High Risk
- TERPS Medium Risk
- TERPS Low Risk

#### Penetration Surface

RUNWAY36 20:1 D

- FAA Ortho Imagery
- TERPS Analysis

#### Target Object

Runway: 36  
 AMSL: 78  
 Type: TREE  
 Slope: 20:1  
 Source: TERPS Analysis  
 PenValue: 17.31  
 ObjectID: KPWMT0642

- Edit
- Create New Object

#### Tools

- Relocate to Airport
- Download KML Files
- Upload TERPS CSV
- Ruler

TREE	
Object Identifier	KPWMT0642
Airport Identifier	PWM
Runwayend Designator	36
Obstacle Type	TREE
Slope	20:1
Penetration Value	17.31
Latitude	N 43 38 17.14
Longitude	W 70 18 8.07
Elevation	78
Risk Level	High
Obstacle Lit	NO
Marking Feature Type	NOT DEFINED
Accuracy Code	1A
Source	TERPS Analysis
Original Source Stamp	2014-05-30 10:51:34.128886-04

43°37'55.24" N 70°18'27.26" W elev 90 ft eye alt 1444 ft



# <https://airports-gis.faa.gov>

The screenshot shows a web browser window with the URL <https://airports-gis.faa.gov/airportsgis/portal.jsp>. The page header includes the Federal Aviation Administration logo and the text "Federal Aviation Administration" on the left, and "Airports GIS" on the right. A navigation bar below the header contains links for "Home", "Projects", "Airport View", "Help", and "Logout", along with a "Print this page" icon. The main content area is titled "Airports GIS Home" and is organized into a grid of functional modules:

- My Account:** Welcome, Jennifer Kandel. Includes links for "Update Account Information" and "Change Password".
- Survey Projects:** Manage your survey projects. Includes links for "My Survey Projects" and "Test Survey File".
- eALP Projects:** Manage your electronic Airport Layout Plan (eALP) projects. Includes a link for "My eALP Projects".
- Runway Safety Area Inventory:** The Runway Safety Area policy (Order 5200.8, Runway Safety Area Program) requires regional offices to collect and maintain data for each Runway Safety Area (RSA). Includes a link for "Download RSAI database".
- Help & Training:** Learn more about Airports GIS. Includes links for "About Airports GIS", "Support Desk", "Online Help", and "IDLE Training".
- Online Resources:** Access the virtual library. Includes links for "National Geodetic Survey (NGS)", "AeroNav Products (AJV-3)", "NFDC Portal", and "AC 150/5300".
- System Information:** Version 4.3.4 - as of 10/01/2014. Includes links for "View Release History and Notes" and "Feedback Form".
- Imagery and Data - GovCloud:** View and upload / download airport data. Includes links for "My Imagery" and "My Airport Data".
- Surface Analysis and Visualization:** Includes links for "Surface Analysis and Visualization", "User's Guide - Booklet format", and "User's Guide - 8.5 x 11 format".
- Airport Safety Dashboard:** Includes a link for "Airport Safety Dashboard" and a notice: "This functionality is disabled until further notice."



# Proposed changes to FAA AC 150/5370-10G (MODs)

- **-All proposed changes outside what the spec allows must be documented in the Engineer's Design Report and will undergo close review**
- **-Changes to surface treatment sections (P-401, 403, 501) are discouraged**
- **-Minimize proposed changes to testing, measurement, and payment sections.**
- **-Submit proposed changes in a file with all changes highlighted to project manager for review.**
- **-PM will decide what items will need to be re-submitted on the standard Modification of Airport Design Standards form (see standard Handout for Predesign).**



# 2015 Oregon Grants

31 Oregon Grants

Total of \$52.1M in grants

## Funding Breakdown

Passenger Entitlement \$13.0M

Discretionary \$25.7M

NPE \$8.4M

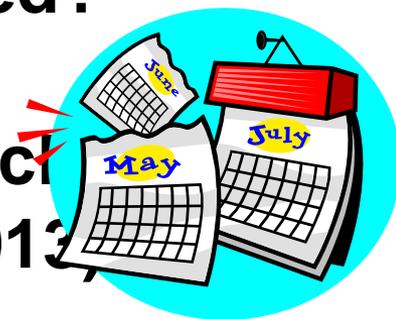
State \$4.1M

Cargo \$.9M



## Important Dates to Remember

- **NOW!** –Closeouts, designs, bidding
- **April 1** – Bids open for projects requesting discretionary (90-120 Day Bid Hold)
- **June** – All entitlement grants issued?
- **December** – Four year old grants closed
  - 15 of 37 (2012) and 13 of 57 (2013)
- **January 15** - Environmental and ALP Changes completed



Quarter	Month	ADO	State	Sponsor
Quarter 1	October	<ul style="list-style-type: none"> <li>-Close out old grants (FY 2012 and older)</li> <li>-Send open grant list to sponsors for FY 2016 closeouts/amendments/recovery estimates</li> <li>-Identify bulk carryover funds</li> <li>-Participate on joint telecon with Sponsor and State about 2018-2022 SCIP submittal</li> <li>-Quarterly Performance Reviews are due for Q4</li> </ul>	<ul style="list-style-type: none"> <li>-State arrange 2018-2022 SCIP joint telecon with Sponsor and ADO</li> </ul>	<ul style="list-style-type: none"> <li>-Finalize closeouts for FY 2012 and older</li> <li>-Finalize FY 2016 environmental, ALP and Airspace documentation for construction occurring in FY 2016</li> <li>-Commit to PFC closeout date</li> <li>-Sponsor initiate RFP for Planning &amp; Environmental</li> <li>-Participate on joint telecon with ADO and State about 2018-2022 SCIP submittal</li> <li>-Quarterly Performance Reviews are due to FAA for Q4</li> </ul>
	November	<ul style="list-style-type: none"> <li>-ADO reviews submitted SCIP</li> <li>-Close out old grants (FY 2012 and older)</li> <li>-Participate on joint telecon with Sponsor and State about 2018-2022 SCIP submittal</li> <li>-ATO coordination meeting</li> <li>-Meet with state to finalize 5 Year CIP</li> </ul>	<ul style="list-style-type: none"> <li>-Draft SCIP's for FY 2018-2022 Submitted to ADO</li> <li>-Meet with ADO to D3finalize 5 year CIP (2018-2022)</li> </ul>	<ul style="list-style-type: none"> <li>-Closeout old grants (FY 2012 and older)</li> <li>-Finalize FY 2016 design (SMS as required)</li> <li>-FY 2013 grants and newer closeouts/amendments scheduled with ADO</li> </ul>
	December	<ul style="list-style-type: none"> <li>-100% Close out old grants (FY 2012 and older)</li> <li>-Finalize 5 Year ACIP in SOAR</li> </ul>	<ul style="list-style-type: none"> <li>-Meet with ADO to Finalize 5 Year CIP 2018-2022</li> <li>-Reconcile SCIP with ACIP, ALP and Airspace</li> </ul>	<ul style="list-style-type: none"> <li>-Final closeout old grants (FY 2012 and older)</li> <li>-Participate on joint telecon with ADO and State about 2018-2022 SCIP submittal</li> <li>-Finalize FY 2016 design</li> </ul>

GATE OPENING: FY 2012 and older grants closed, Environmental, Airspace documentation and ALP FY 2016 construction finalized, FY 2016 project design substantially complete

Quarter 2	January	<ul style="list-style-type: none"> <li>-NPIAS Snapshot (even years only)</li> <li>-January 15: Complete transfers and carryover bulk of funds</li> <li>-January 15: Environmental determination complete for FY 2016 projects</li> <li>-Pre-design for FY 2017 projects (FAA determined complex, environmental or reimbursable agreements)</li> <li>-ADO sends out CIP (2018-2022) letters to Sponsor/State</li> <li>-Quarterly Performance Reports are due for Q1</li> </ul>		<ul style="list-style-type: none"> <li>-Submit FY 2016 PS&amp;E with CSPP for State Apportionment or Discretionary projects</li> <li>-Closeouts (FY 2013 - high priority)</li> <li>-Pre-design for FY 2017 projects (FAA determined complex, environmental or reimbursable agreements)</li> <li>-Quarterly Performance Reports are due to FAA for Q1</li> </ul>
	February	<ul style="list-style-type: none"> <li>-Review Plans and Specifications and CSPP</li> <li>-Pre-design for FY 2017 projects</li> </ul>		<ul style="list-style-type: none"> <li>-Closeouts (FY 2013 - high priority)</li> <li>-Submit FY 2016 PS&amp;E with CSPP for all other projects</li> <li>-Advertise project on State Apportionment or Discretionary list</li> </ul>
	March	<ul style="list-style-type: none"> <li>-Review Plans &amp; specifications and CSPP</li> <li>-50% of remaining closeouts completed</li> <li>-50% PFC closeouts done</li> <li>-Pre-design for FY 2017 projects (all others)</li> </ul>		<ul style="list-style-type: none"> <li>-Advertise all other projects not receiving State Apportionment or Discretionary</li> <li>-Bid Opening (State Apportionment &amp; Discretionary project)</li> <li>-Closeouts (FY 2013 - high priority)</li> <li>-Pre-design for FY 2017 projects</li> <li>-Finalize Planning and Environmental Scopes of Work</li> </ul>



# ADO Schedule – 2<sup>nd</sup> Quarter

- **February**

- Review Plans and Specifications and CSPP's
- Pre-designs for 2017 Projects
- Start PROGRAMMING

- **March**

- Review Plans and Specifications and CSPP's
- Pre-designs for 2017 Projects
- 50% remaining closeouts done (2013 Grants)
- 50% PFC Closeouts done



**GATE OPEN if project PS&E and CSPP are approved, State Apportionment and Discretionary project bids open**

Quarter 3	April	<ul style="list-style-type: none"> <li>-Issuing grants/Application</li> <li>-Carryover remaining funds (4/15)</li> <li>-Closeouts</li> <li>-Pre-design for FY 2017 projects</li> <li>-Quarterly Performance Reports are due for Q2</li> </ul>		<ul style="list-style-type: none"> <li>-Closeouts (FY 2013 - high priority)</li> <li>-Prepare Grant Application</li> <li>-Pre-design for FY 2017 projects (all others)</li> <li>-Quarterly Performance Reports are due to FAA for Q2</li> </ul>
	May	<ul style="list-style-type: none"> <li>-Issuing Grants/Application</li> <li>-Closeouts</li> <li>-ATO Coordination Meeting</li> <li>-Compliance Inspections/Site Visits</li> <li>-Pre-design for FY 2017 (FAA determined non-complex projects)</li> </ul>		<ul style="list-style-type: none"> <li>-Closeouts (FY 2013 - high priority)</li> <li>-Bids open on all remaining projects</li> <li>-Construction</li> <li>-Pre-design for FY 2017 (FAA determined non-complex projects)</li> </ul>
	June	<ul style="list-style-type: none"> <li>-Discretionary requests locked for 2017</li> <li>-Issuing grants</li> <li>-June 1: ALL entitlement grants issued</li> <li>-June 1: Report final carryover</li> <li>-Closeouts 100% complete</li> <li>-Compliance inspections/site visits</li> <li>-Remaining PFC closeouts</li> </ul>		<ul style="list-style-type: none"> <li>-Closeouts (FY 2013 - high priority)</li> <li>-Construction</li> <li>-Environmental or design for FY 2017(FAA determined non-complex projects)</li> <li>-Submit AGIS SOW's</li> </ul>

**GATE OPEN if FY 2016 grant issued, pre-design completed for FY 2017 project, FY 2013 grants closed**

Quarter 4	July	<ul style="list-style-type: none"> <li>-Remaining carryover completed</li> <li>-Compliance inspections/site visits</li> <li>-Remaining entitlement grants issued</li> <li>-Quarterly Performance Reports are due for Q3</li> </ul>		<ul style="list-style-type: none"> <li>-Construction</li> <li>-Environmental (FAA determined non-complex) or design projects for FY 2017</li> <li>-Quarterly Performance Reports are due to FAA for Q3</li> <li>-Conduct leaf on surveys for AGIS imagery"</li> </ul>
	August	<ul style="list-style-type: none"> <li>-Compliance inspections/site visits</li> </ul>		<ul style="list-style-type: none"> <li>-Construction</li> <li>-Environmental or design for FY 2017</li> </ul>
	September	<ul style="list-style-type: none"> <li>-Remaining compliance inspections/site visits</li> <li>-Finalize FY 2017 projects</li> <li>-Identify PFC closeouts for FY 2017</li> </ul>	-State collects SCIP data for FY 2019-2023	<ul style="list-style-type: none"> <li>-Sponsor submits SCIP data for FY 2019-2023 to State</li> <li>-Submit closeout plan for all open grants</li> <li>-Environmental or design for FY 2017</li> <li>-Initiate RFQ for Planning &amp; Environmental</li> <li>-Quarterly Performance Reports will be due to FAA in October 2017 for Q4</li> </ul>

**GATE OPEN if FY 2014 grants have a definite closeout plan submitted to ADO, Closeout/Amendment plan submitted to ADO for ALL open grants**



# ADO Schedule – 3rd Quarter

- **Work 2017 project Coordination**
- **Target grants issued by June**
  - Summer Construction
  - Site Visits/Compliance Inspections
- **2017 Discretionary locked**



Fiscal Year: 2016

Quarter	Month	ADO	State	Sponsor
Quarter 1	October	<ul style="list-style-type: none"> <li>Close out old grants (FY 2012 and older)</li> <li>Send open grant list to sponsors for FY 2016 closeout/ammendment/recovery estimates</li> <li>Identify bulk carryover funds</li> <li>Participate on joint telecon with Sponsor and State about 2018-2022 SCIP submittal</li> <li>Quarterly Performance Reviews are due for Q4</li> </ul>	<ul style="list-style-type: none"> <li>State arranges 2018-2022 SCIP joint telecon with Sponsor and ADO</li> </ul>	<ul style="list-style-type: none"> <li>Finalize closeouts for FY 2012 and older</li> <li>Finalize FY 2016 environmental, ALP and Airspace documentation for construction occurring in FY 2016</li> <li>Commit to PFC closeout date</li> <li>Sponsor initiates RFP for Planning &amp; Environmental</li> <li>Participate on joint telecon with ADO and State about 2018-2022 SCIP submittal</li> <li>Quarterly Performance Reviews are due to FAA for Q4</li> </ul>
	November	<ul style="list-style-type: none"> <li>ADO reviews submitted SCIP</li> <li>Close out old grants (FY 2012 and older)</li> <li>Participate on joint telecon with Sponsor and State about 2018-2022 SCIP submittal</li> <li>ATO coordination meeting</li> <li>Meet with state to finalize 5 Year CIP</li> </ul>	<ul style="list-style-type: none"> <li>Shift SCIP's for FY 2018-2022 Submitted to ADO</li> <li>Meet with ADO to D3finalize 5 year CIP (2018-2022)</li> </ul>	<ul style="list-style-type: none"> <li>Closeout old grants (FY 2012 and older)</li> <li>Finalize FY 2016 design (SMS as required)</li> <li>FY 2013 grants and newer closeouts/ammendments scheduled with ADO</li> </ul>
	December	<ul style="list-style-type: none"> <li>100% Close out old grants (FY 2012 and older)</li> <li>Finalize 5 Year ACP in SOAR</li> </ul>	<ul style="list-style-type: none"> <li>Meet with ADO to finalize 5 Year CIP 2018-2022</li> <li>Reconcile SCIP with ACP, ALP and Airspace</li> </ul>	<ul style="list-style-type: none"> <li>Final closeout old grants (FY 2012 and older)</li> <li>Participate on joint telecon with ADO and State about 2018-2022 SCIP submittal</li> <li>Finalize FY 2016 design</li> </ul>
<b>GATE OPEN if FY 2012 and older grants closed, Environmental, Airspace documentation and ALP FY 2016 construction finalized, FY 2016 project design substantially complete</b>				
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<b>GATE OPEN if FY 2016 grant issued, pre-design completed for FY 2017 project, FY 2013 grants closed</b>				
Quarter 4	July	<ul style="list-style-type: none"> <li>Remaining carryover completed</li> <li>Compliance inspections/site visits</li> <li>Remaining Discretionary grants issued</li> <li>Quarterly Performance Reports are due for Q3</li> </ul>		<ul style="list-style-type: none"> <li>Construction</li> <li>Environmental (FAA determined non-complex) or design projects for FY 2017</li> <li>Quarterly Performance Reports are due to FAA for Q3</li> <li>Conduct bid on surveys for AGIS insurers</li> </ul>
	August	<ul style="list-style-type: none"> <li>Compliance inspections/site visits</li> </ul>		<ul style="list-style-type: none"> <li>Construction</li> <li>Environmental or design for FY 2017</li> </ul>
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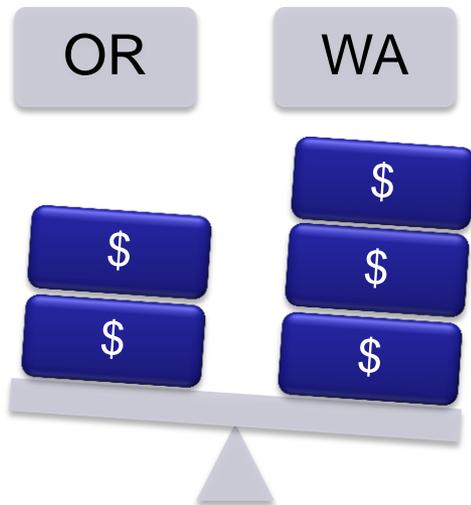
# SCIP

- **Joint Planning Conferences Complete**
- **State – FAA Meeting**
- **Letters going out now**
  - Why are your projects moved?
  - Why didn't I get discretionary/state apportionment?
- **Open season for 2017 CIP's**
  - Closes August 31, 2016

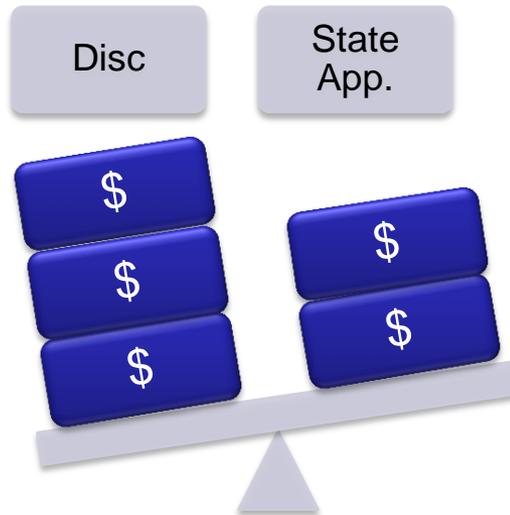


# FAA / ODA Project Ranking and Funding Scheduling

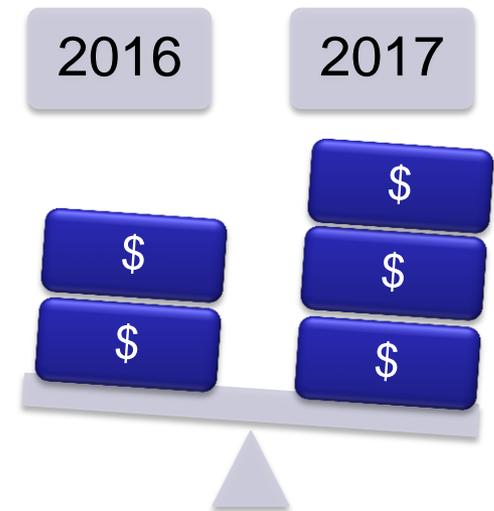
Disc by State



Funding type - Year



\$ Amount per Year



# The Rest of the CIP Story

- **CIP goes into NPIAS and generates NPE's by showing a need**
- **BUT also need to show good use of the money**
  - Inactives – over 300 days (10 months) with no payment
  - “Old Dogs” grants 4 years old
  - Closeouts – take you off inactive lists and free up any recovered dollars for use if applicable
  - Impacts State and Discretionary Requests



# Magnetic Variation - MagVar

- Sportsman Airpark, Mulino State, Hobby Field, Independence State, Lexington, Astoria, Bend, Baker, Brookings, Corvallis, Grant County, Hillsboro, Hermiston, La Grande, Lake County, Klamath, Boardman, Medford, McMinnville, Ontario, Southwest Oregon Regional, Pendleton, Roseburg, Redmond, Ashland, Albany, Madras, Prineville, Siletz, Salem, Tillamook, Aurora
- What does it mean?
- **Don't Panic!**



# MagVar

- **Do NOT change markings without coordination**
- **Coordinate with other Development Projects**
- **Require coordination with Flight Procedures**
  - Any flight procedures must be updated (2 years out)
  - Publication date to coincide with new markings

# Geometry Issues



- **Plan before project**
- **Aligned Taxiways**  
“prohibited”
- **Co-located Thresholds**
- **Right Angle Rwy/Twy Intersections**
- **Hot Spots**



# Crosswind/Secondary Runways

- **FAA Policy is to fund one runway unless a specific determination is made**
- **Three eligible types of runways**
  - Primary
  - Crosswind
  - Secondary

- **Primary Runway is eligible**
- **Crosswind is eligible if wind coverage is less than 95%**
  - For aircraft forecast to use the airport
  - Eligible to standards of aircraft needing crosswind coverage (i.e. 10 knots for A-1 and B-1 aircraft)
- **Secondary eligible for capacity if primary is over 60%**



# Reminders

- **Quarterly Performance Reports – Development Projects**
- **Closeouts**
- **F/Y 2017 Environmental Planning: 1/15/2017**
- **2016 Northwest Mountain Region Conference – March 28<sup>th</sup>-30<sup>th</sup>, 2016**
  - <http://depts.washington.edu/uwconf/wordpress/faan/wairports/>
  - Westin Hotel Seattle



# Questions?



Photo © Travis Olbrich

