AURORA STATE AIRPORT



PLANNING ADVISORY COMMITTEE (PAC) MEETING #5 SUMMARY

Date: Tuesday, April 30, 2024

Time: 5:00-7:00 pm
Location: Zoom Webinar

In Attendance

PAC Members Present

Bill Graupp, Aurora CTE, Inc.

Bruce Bennett, Positive Aurora Airport Management

Brian Asher, City of Aurora

Councilor Joann Linville, City of Wilsonville

Chris Neamztu, City of Wilsonville

David Waggoner, Willamette Aviation

Jeff Baymor, Charbonneau Country Club

Matt Crall, Oregon Dept of Land Conservation and

Development (DLCD)

Matt Lawyer, alternate, Marion County

Melissa Ahrens, alternate, Oregon Dept of Land

Conservation and Development (DLCD)

Naomi Zwerdling, Oregon Dept of Transportation

Patrick Donaldson, Wilsonville Chamber of

Commerce

Whitney Stewart, Oregon Office of Emergency

Management

Ted Millar, AABC/TLM Holdings

Tony Helbling, Aurora Airport Improvement

Association

Trent Brownlee, Atlantic Aviation

Wayne Richards, Alternate, Friends of the French

Prairie

PAC Members Absent

Ben Williams. Friends of French Prairie

Beth Wytoski, Regional Solutions

Austin Barnes, Marion County Planning Dept.

Ben Clayton, Life Flight Network

PAC Members Absent (Continued)

Bob Buchanan, Alternate, *Columbia Helicopters*Brandon Reich, Alternate, *Marion County Planning Dept*.

Ken Ivey, Aurora Butteville Barlow Community

Planning Organization

Cathryn Stephens, ODAV Board

Cheryl Pouley, Confederated Tribes of the Grand

Ronde Community of Oregon

Commissioner Danielle Bethel, Marion County

Commissioner Tootie Smith, Clackamas County

Greg Hughes, Alternate, Vans Aircraft

Matt Williams, Deer Creek Estates HOA

Pam Barlow Lind, Confederated Tribes of the Siletz

Indians

Raul Suarez, Aurora Air Traffic Control

Rian Johnson, Vans Aircraft

Rob Roedts, Columbia Helicopters

Robert Fournier, Helicopter Transport Service

Roger Kaye, 1000 Friends of Oregon

Agency Representatives Present

Kenji Sugahara, ODAV

Alex Thomas, ODAV

Tony Beach, ODAV

Brandon Pike, ODAV

Tim House, FAA

Staff and Consultants

PAC #5 Meeting Summary

Matt Rogers, Century West Mark Ottenad

David Miller, Century West Julie Fitzgerald, Mayor of Wilsonville

Samantha Peterson, Century West

Mark Steele, Century West James Kirby, Century West

Brandy Steffen, JLA Public Involvement Jen Winslow, JLA Public Involvement

Ashley Balsom, JLA Public Involvement

Audience / Members of the Public

Aron Faegre, alternate, AABC/TLM Holdings

George Van Hoomissen

Josh Goldschmidt

Anonymous Attendee

Audience / Members of the Public (Continued)

George Buley **Brad Schuster**

Bruce Bergman

Sarah Lucas

Joseph Schaefer

Kurt Wilson

Kirsten Newbury

James Kirby

Greg Leo

Shannon Colebank

Tim Warren

Glenn Lancaster

Overview

The meeting goals were to review Draft Chapter 4: Draft Chapter Facility Goals and Requirements and ensure that the members had time to talk and ask questions about the materials. The presentation, FAQs, meeting recording and other materials are posted on the website (publicproject.net/AuroraAirport).

Welcome and Introductions

Brandy Steffen, JLA Public Involvement, welcomed everyone to the meeting, reviewed the agenda and Zoom meeting tips and etiquette. She reminded the members of their roles and responsibilities. The next PAC meeting will be held on June 11, 2024 and will discuss the range of alternatives. There will also be a workshop in July before the decision-making process happens.

Presentation

David Miller, Century West, gave a presentation on the Draft Chapter 4 Facility requirements. He reminded the PAC that there would be opportunities to ask questions throughout the meeting; more technical or detailed questions could be answered in writing after the meeting. He reminded the group that the facility requirements evaluation is not the alternatives evaluation.

Facility requirements are defined in three-step process:

- Defining applicable standards, both current and to make sure future construction meets those standards.
- Evaluating the current or existing facilities conformance to the standards.
- Identifying potential facility improvements.

Facility requirements that are defined through this process are the inputs that are used in the next phase of the master plan to evaluate facility improvement options.

David explained the difference between landside and airside facilities. Over the 20-year planning period, the forecast indicates that there will be a demand for about 72,000 square feet of additional aprons and 19 hangar units based primarily on the needs of transient jet aircraft, turboprops and helicopters. Parking demand for small single engine and multi-engine piston aircraft is expected to decline.

Airside facilities are primarily the runway taxiway system, and things like pavement, lighting and signage. The overall goal with airside facility standards is to provide the safest possible environment for the movement of aircraft.

The Facility Requirements Chapter defines the runway length evaluation that is consistent with the FAA approved forecast. This defines the length that meets the FAA-based criteria for long range planning.

PAC Questions and Comments

Brandy opened the PAC question and comment agenda item. *Full comments, along with responses are provided in the table below.*

Public Comment

Brandy opened the public comment section of the meeting. Each person had two minutes to speak.

There were no public comments at this meeting.

Next Steps

Brandy reminded the group that the next virtual PAC meeting will be held June 11, 2024, from 5 pm to 8 pm and will review preliminary alternatives concepts. The Public Open house will be held on June 13th, 2024, location TBD. Please submit comments through May 14. **Tony Beach, Oregon Department of Aviation**, and David thanked everyone for their participation and engagement throughout the master planning process.

PAC Member Questions/Comments and Responses¹

ID	Name	Affiliation	Question/Comment	Response
5.1	Tony	Aurora Airport	The red line along the taxiway	It would incorporate all of the area
	Helbling	Improvement	predominantly runs along the face	affected. We're looking at the side of the
		Association	of two airports. One is the midfield	runway. One of our evaluation pieces is
			air park at A 3 and then from there	the actual runway object free area and the
			to the south down to Atlantic. It	taxiway object free area, which are driven
			runs along SECAP in the verbiage	off the center lines. Any component of
			of the document you sent out.	that along the side that is inside one or
			In the document, you discuss	both of those would be evaluated.
			potential reanalysis of access	The direct access issue is essentially FAA
			across this area as non-standard.	design guidance that discourages the
				straight shot from the apron or hangar to
				the runway without some distinct turning

¹ Live responses are included, along with additional information/clarification, as needed. PAC Meeting #5 Summary – Revised

Aurora	State Airport M	laster Plan – Planr	ning Advisory Committee (PAC)	
			Does that refer to the frontage along the taxiway?	mechanisms for the pilot. The guidance is intended to improve a pilot's situational awareness and reduce inadvertent runway incursions.
5.2	Tony Helbling	-	Is this analysis going to consider the easements that are documented in the deeds that were granted in perpetuity to the owners of the properties adjacent to that taxiway?	This step is evaluating existing conditions. We don't yet know what the future condition of the runway-taxiway will be because we haven't gotten to the alternatives. What's there today may or may not be the same going forward. We'll make a note of the comment.
5.3	Councilor Joann Linville	City of Wilsonville		We are talking about on-airport landside facilities demand. The demand projections are not a recommendation per se. The numbers are an attempt to approximate facility demands based on the forecast. In Chapter 3, the based aircraft fleet are projecting a decline in single engine piston aircraft.
5.4	Councilor Joann Linville	City of Wilsonville		There seems to be limited interest in exploring uses other than landside facilities. Aircraft storage and support are considered the highest and best use. Future development will depend on opportunities within that space. The average size requirements for business aircraft, jets, and turbo props are greater than for single-engine piston airplanes, leading to the need for larger hangar spaces. These approximations are based on FAA-approved forecasts, but actual

Aurora	State Airport N	/laster Plan – Planr	ning Advisory Committee (PAC)	
				fulfillment of these projections can be limited by factors such as available land. That doesn't alter the projection.
				I would suggest looking at the tables that are in the chapter that are broken down by aircraft types, which shows the net positive/negative and how the numbers balance out. How this all materializes will depend on opportunities presented at the Airport.
5.5	Wayne Richards	Friends of French Prairie	Farmers are wondering if you are closing Keil Road. They wonder if they will be out working and have to wait on a taxiway to be cleared to cross the runway by the tower. Are you rezoning 30 acres of exclusive farmland? Can you address this in Chapter 5? It's been this way since the mid-70's with Senate Bill 100.	The facility requirements do not identify future proposed airport changes. Any proposed airport changes will be included in the alternatives analysis.
5.6	Bruce Bennett	1	_	The methodology to determine hangar requirements are explained in draft Chapter 4 – Facility Requirements and is based on the FAA approved forecasts.
			If there were adequate hangers now, then it would make sense to say we need 3 more or 6 more. The ramp demand also seems rather modest.	
			I hate to see unrealistic expectations and then scramble to meet them. The population isn't getting any smaller and when visitors come, they need a place to park on the runway.	
			One question on alpha 3. Would you strictly paint anything on it? I can't imagine moving the taxi away from alpha 3 or the airport runway	

Aurora	State Airport M	laster Plan – Planr	ning Advisory Committee (PAC)	
			to taxi away taxilane. I could see the departure from the taxiway to the ramp moved to the left a little bit. Would that make it no longer a direct access?	
5.7	Bruce Bennett	•	additional hangar space. Is that talking about growing the airport boundary for additional hangar	Neither. It's quantifying the demand that comes out of the forecast that was approved by the FAA. ODAV will control what is on their property, and they cannot control what happens on private property adjacent to the airport.
5.8	Jeff Baymor		I sent an email from a resident in my community to Mayor Fitzgerald, with concerns about over jets and jet noise. It's clear that jets are going to slowly replace the piston planes and they will be flying over Charbonneau in the early morning hours or the late evening. It is concerning, and how do we address that as a community trying to make certain that we're working in a positive way with the airport, and the people that are dependent upon the Aurora airport for the businesses and their employment? We are considering doing an evaluation of the number of residents who take issue with it. I'm not sure if Wilsonville has done the same.	
5.9	Councilor Joann Linville	City of Wilsonville	the FAA advisory circular. A basis for coming up with the formula for the runway length. It talks about in the in that approach and departure reference code area. There are two comments that says the AP, the approach, and the departure above from the circular indicate the following aircraft may	between an approach category C and a D aircraft when it comes to the designer

Aurora	State Airport M	laster Plan – Planr	ning Advisory Committee (PAC)	
				The section referred to has no bearing on
			operations restrictions.	runway length.
			Those are categories A, B, and	
			then C and D groups I and II. This	
			seems to be adding in D category	
			aircraft. Does that mean that in the	
			airport's current state, these	
			aircraft can land and take off	
			without operational restrictions in	
			the current setting?	
5.10	Councilor	City of	Page three of the section on	There are different layers of design
	Joann	Wilsonville	runway design code discusses	standards that fit together. Some are
	Linville		approach visibility. Is says	driven by approach speed, approach
			"component may change with AAC	category, the design group or wingspan.
			-ADG C-II/ Could you explain what	There are additional standards that are
			that means?	driven by the approach of visibility
				minimums established on the runway.
				Currently, there are three instrument
				approaches at the airport with a visibility
				minimum of 7/8 of a statute mile. If
				visibility were to change to one mile, it
				could impact the clearances required for
				the runway.
5.11	Councilor	City of	When looking at table 4-4, it	The FAA distinguishes between different
	Joann	Wilsonville	shows 75% of the fleet and 100%	types of jets in their advisory circular, with
	Linville		of the fleet. Does 100% of the fleet	one table representing 75% of the fleet
				consisting of smaller and medium-sized
			total? Does the FAA care about	jets, and another representing the higher-
			which larger aircraft have been	performance aircraft making up the last
			given special waivers to use the	25%. Even though some higher-
			airport?	performance aircraft at Aurora don't meet
			'	the 500 operations threshold, the FAA
				guidance suggests using the 100% fleet
				number if any of these aircraft are
				present. This is why the 100% fleet
				number is used instead of the 75%.
				However, even if the 75% number were
				used, the runway length would be similar
				due to a cap on the wet and slippery
				length adjustment at 5,500 feet.
				The analysis is based on traffic, using
	acting #E Sum	many Davisad		detailed instrument flight plan data called

Aurora	State Airport M	aster Plan – Planr	ning Advisory Committee (PAC)	
5.12	Tony Helbling Bruce Bennett	Aurora Airport Improvement Association Positive Aurora Airport Management	Aircraft 150 might be able to leave the ground at 2600 feet, but at the point of rotation where a pilot needs to make a decision and get on the brakes. Would he be able to stop in the 2600 feet that puts him at 52? A larger aircraft can take off in 3000 feet but needs 3200 to stop. There are also differing insurance requirements. Does the Aircraft 150 analysis takes these regulations and requirements into account? Which is the regulation for carrying passengers for hire that firefighters or ambulance flights or businesses use? The FAA has a lot of different arms and for an operator, they require both the balanced field and a 40% margin for error. If you	Commercial aerial firefighters and air ambulance operators are typically certified under FAR Part 135 (for hire). Privately owned corporate aircraft are commonly operated under FAR Part 91.
5.13		Positive Aurora Airport	differing insurance requirements. Does the Aircraft 150 analysis takes these regulations and requirements into account? Which is the regulation for carrying passengers for hire that firefighters	accelerate-stop and accelerate-go calculations, ensuring safety in various scenarios like engine failure during takeoff. Commercial aerial firefighters and air
		Management	or ambulance flights or businesses use? The FAA has a lot of different arms and for an operator, they require both the balanced field and	ambulance operators are typically certified under FAR Part 135 (for hire). Privately owned corporate aircraft are commonly operated under FAR Part 91.
			calculate the runway length, then you stop with 6 inches to spare or a little bit on the other side. That wouldn't be safer because the FAA requires an additional 40% minimum legal runway length. I want to make sure that's factored in because there are a lot of people operating under 135 charter.	criteria used in runway length planning required by FAA in master planning. Any runway length adjustments required for
5.14	Councilor Joann Linville		On page nine, it notes that the city of Wilsonville and other jurisdictions will need to update their comprehensive plans to	This section is intended to summarize Oregon land use regulations that apply to

Aurora	State Airport M	laster Plan – Plani	ning Advisory Committee (PAC)	
			remain compliant with state land	local governments. ORS 836.610 Local
			use laws. The city recently	government land use plans and
			·	regulations to accommodate airport zones
			address airport issues, and ODAV	and uses.
			was notified of those proceedings.	
			What exactly is involved in the	
			city's future comprehensive plan	
			update? What will be required?	
5.15	Councilor	City of	I want to mention the noise	The fly-friendly program involves
	Joann	Wilsonville	concerns Jeff brought up, and the	coordinating with pilots, users, and
	Linville		mention of noise evaluations in the	neighbors to minimize noise over
			master plan. When will these	sensitive areas and there has been
			evaluations happen? A goal in the	outreach with the goal of minimizing noise
			master plan is to coordinate with	and low flying aircraft over sensitive
			users to improve the voluntary fly- friendly program. This isn't	areas. Tony Beach can have further
			something that should be	discussion with Charbonneau and
			discussed privately. This should	Wilsonville, and there will be upcoming
			be coordinated with the FAA	noise contour discussions in the master
			Seattle Airport District, the ADO,	
			local land use jurisdictions,	planning process. The noise analysis for
			airports, and neighbors. How will	the master plan will use current runway
			the analysis be conducted, who	data and traffic forecasts as a baseline,
			will do it, where the information will	with future analyses based on the chosen
			be available, and which	runway option.
			jurisdictions will be involved in	
			addressing the results?	
			ŭ	

Attendee Questions/Comments and Responses²

ID	Name	Question/Comment	Response
5.16	Anonymous	This public process is a farce.	Thank you for your comment.
	Attendee	Members of the public should be	
		able to attend a public body	
		meeting without registration in	
		advance or at the time of the	
		meeting. This ODAV process is	
		about control and manipulation of	
		the public process.	

 $^{^{\}rm 2}$ Live responses are included, along with additional information/clarification, as needed. PAC Meeting #5 Summary – Revised

	George Buley	Does ODAV own the land to accommodate the anticipated 72.3K SF?	ODAV has about 30 acres of land within the airport, and the ability to accommodate demand depends on available land and future opportunities.
5.18	George Buley	Is Keil road located in the Runway Object Free Area? If yes, will there be proposed mitigation?	A portion of Keil Road is within the runway object-free area, and mitigation for its non-standard conditions will be part of the alternative's evaluation. The evaluation will focus on addressing non-standard conditions for the existing runway without considering changes to the runway itself. There are unique challenges due to non-standard conditions on both sides of the runway, which will be addressed with various scenarios in the next meeting.
5.19	George Buley	Does ODAV own any other drain fields in the RSA other than the ones identified on the Runway Non-Standard Drawing?	ODAV does not own any drain fields at UAO, the drain field identified in the Runway Non-Standard Drawing is the only one in the RSA.

Additional Emailed Comments

ID	Name	Affiliation	Question/Comment	Response
5.20	Bruce Bennett	•	Thank you for the professional planning job! Please include an internal circulation road and consider ODAV purchasing approximately one acre of ramp space NE of taxiway A3 to allow a huge relief in taxiway congestion as well as significant improvement in ramp to taxiway flow. Also please consider the FAA requirement to land in 60% of the available runway and to always have a "balanced field".	Thank you for the comment.
5.21	Jeff Baymor		The video is excellent and I have two others to review. I would like to provide the text of a Charbonneau resident who appears to be negatively impacted by fly-overs. I have removed their name as I have not requested nor	Thank you for the comment.

have I received approval to share such:

Good morning Mayor Fitzgerald,

We met at the city's recent presentation in Charbonneau. I shared my daily round with the flight noise from Aurora airport. You asked that I send a note of follow up; I apologize for the delay.

This morning a 2:00 am fly over woke me. Another took place at 2:23 and another at 5:37. Just another day in the neighborhood. Yesterday my husband heard a plane around 3:00 and small planes were a constant the entire day.

Either Saturday or Sunday when home, I wrote down flights noted. They were: 2 in the 3:00 am hour, 9:17, 9:32, 2:48, 3:54, 5:21, and 6:38. I was not home all day. I have noted planes at every wee hour.

This has been going on for years now and has drastically altered quality of life. Last year I did not sit out on my patio or deck one single time as the noise is nerve wracking and depressing.

I am worried about quality of life, noise pollution, disregard for the supposed "Good Neighbor policy" we are told pilots are to be guided by, and frankly home values over time.

Thank you for all your work with this issue and many others.
Please can't quality of life be weighed in this very long debate

Aurora	State Airport M	laster Pian – Pianr	ning Advisory Committee (PAC)	
	•		over the region's supposed benefit	
			from the airport's increased traffic?	
			Thank you.	
			I would like to share this	
			information with the PAC Meeting	
			participants.	
5.22	Bruce	Aurora Airport	I believe an internal circulation	Response was delayed; added on
	Bennett	-		06/28/24.
		Association	property connected to State	
		7100001011	airport property should be made	
			a priority at KUAO for operational	Thank you for the comment
			and safety purposes. Also, that	Thank you for the comment.
			ODAV should expeditiously	
			pursue purchasing the ramp	
			property NE of taxiway A3 and	
			connecting to the midfield State	
			ramp for immediate and	
			significant improvements in	
			operational flow and airport	
			safety.	
5.23	Tony	Positive	We feel the 5500' number is	Response was delayed; added on
5.23	Tony Helbling		predicated on a "uncontaminated	Response was delayed; added on 06/28/24.
5.23			predicated on a "uncontaminated runway" = dry runway, and pilots	The state of the s
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As we look to the future of the airport, it only makes sense to plan the investment wisely to include a margin of safety. In the grand scheme of things, the return on investment will be human lives.

5.24 Chris Neamtzu and Mark Ottenad

Citv of Wilsonville

May 14, 2024 email

Questions 1-40 pertain to Working Paper No. 1

ODAV PAC Meeting #5; April 30, 2024 - Questions on DRAFT Master Plan Chapter 4:

- 41. The existing Runway Design used for runway construction. Page 4-3 notes that "the approach visibility component visual or instrument approach may change within AAC/ADG C-II". Can you please explain exactly what that comment means?
- 42. Page 4-9 notes that comments accomplished for a variety of raised by PAC members will be included in future consideration by FAA during the completion of any environmental assessment required by NEPA. When will that documentation will be available on the project web site?
- Wilsonville and other jurisdictions will need to update their comprehensive plans to "remain compliant with state land use laws". City recently updated the Comprehensive Plan to address airport issues. ODAV was notified of these proceedings. What is exactly involved in the city's future Comprehensive Plan update? What exactly will be required of the City?

Response was delayed; added on 06/28/24.

Thank you for your comments. We've reviewed these with the technical team. Questions 1-40 relate to Working Paper No. 1. We will post a complete set of responses to the project website as soon as possible.

- Code (RDC) defines the standards 41. As noted in the chapter, approach visibility minimums are determined independently from the RDC, based on capabilities. Changes to the current approach visibility minimums (defined by FAA instrument approaches or through a separate FAA-issued "Notice to Air Missions" (NOTAM)), could be regarding environmental concerns reasons. This section notes that RPZ dimensions are determined by the approach visibility minimums for each Appendix 9 in the master plan, for runway end, therefore a change in minimums could change RPZ dimensions for AAC/ADG C-II.
- 42. A summary of comments and responses, including for environmental concerns, will be posted on the project website to document review of each draft work chapter or full working 43. Page 4-9 notes that the City of paper. Comments and responses provided during the review of Working Paper 1, are currently provided on the project website. Comments provided after individual comment periods conclude are reviewed with responses posted on the project website when available. During the ongoing development of master plan chapters, responding to current chapter review is the highest priority and responses to previous chapters will be documented in preparation of the draft master plan document. At draft final all meeting summaries, PAC and public comments,

- 44. Page 4-9 notes that the city should "develop overlay zone ordinance for airspace does this overlay zone work? What is being effected? Please provide specific information regarding this comment.
- 45. Page 4-10 notes that noise evaluations will be conducted in the Airport MP. When will those be created? Which Chapter addresses noise impacts?
- 46. Page 4-16 notes a runway length of 5,500 lineal feet. Which direction. N or S will the additional runway be extended, if approved?

- and responses will be summarized in Appendix 9.
- 43. This section is intended to summarize protection". What exactly does that Oregon land use regulations that apply to mean for existing land uses? How local governments. ORS 836.610 Local government land use plans and regulations to accommodate airport zones and uses.
 - 44. This section is intended to summarize Oregon land use regulations that apply to local governments. ORS 836.610 Local government land use plans and regulations to accommodate airport zones and uses. Additional technical information may be found in the Oregon Department of Aviation Airport Land Use Compatibility Handbook.
 - 45. Noise contours will be developed for the 65 DNL noise contour identified for the current conditions as well as the twenty-year contour. Noise contour modeling will use the forecasts and fleet mix identified in the forecast chapter for each run to analyze impacts of airport modifications as it relates to noise. Noise contours will be prepared following the selection of a preferred alternative.
 - 46. Future decisions about runway configuration will be made by ODAV at the conclusion of the airside alternatives. evaluation.