

Noise Advisory Committee Meeting

January 25, 2024 at 5:30 pm

Zoom Webinar Meeting link:

<https://portlandmaine-gov.zoom.us/j/88205308102?pwd=SXEwZ3dHUk3SUJ4YVh6cG1mcINFZz09>

Passcode: 637217

Or One tap mobile :

+13092053325,,88205308102#,,,,*637217# US

+13126266799,,88205308102#,,,,*637217# US (Chicago)

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

+1 309 205 3325 US

+1 312 626 6799 US (Chicago)

+1 646 931 3860 US

+1 929 205 6099 US (New York)

+1 301 715 8592 US (Washington DC)

Webinar ID: 882 0530 8102

Passcode: 637217



**Maine's
Home
Airport.**

AGENDA: NAC January 25, 2024

1. Welcome and Introductions
2. Recognition of David Wakelin for his service on the NAC
3. Opening Questions / Public Comment (15 minutes)
4. Approval of the Minutes for the October 12, 2023 Meeting
5. Review of Jetport Passenger Statistics & Runway Use – Paul Bradbury
6. Update by Mark Collins, PWM ATCT Manager, on the FAA review and status of the proposed new RNP overlay of the HVA approach procedure and update on the proposed revisions to the HSKEL THREE and NUBLE FOUR procedures
7. Fly Quiet Program Compliance Monitoring Discussion – Review discrepancy report
8. Closing Questions / Public Comment
9. Next Meeting Date: The next meeting will be will be scheduled via an online poll based on your guidance. It is expected the next meeting would be in April or May
10. Adjournment

NAC Membership

Portland City Councilor (Chair) Councilor Regina Phillips	Peaks Island Resident Representative Jennifer Lavanture
Stroudwater Village Association President or Designee Tom Ainsworth	President of Western Promenade or Designee Dr. Jeremy Morton
South Portland City Councilor or Representative Natalie West	South Portland Resident Representative David Wakelin – Julie Shane
Westbrook City Councilor or Representative Mayor Mike Foley	Cape Elizabeth Town Councilor or Representative Councilor Susan Gillis
Greater Portland Chamber of Commerce President or Designee TBD	FAA Air Traffic Control Manager Mark Collins
Air Cargo Station Manager Steve Dalzell	Signatory Airline Station Manager Timothy Bryan, United Ground Express
Gorham Town Councilor or Representative Council Chairman Lee Pratt	Scarborough Town Councilor or Representative Michael Wood

2. Recognition of David Wakelin

Thank you for more than five years of service to the PWM NAC!

SWA RNAV Visual

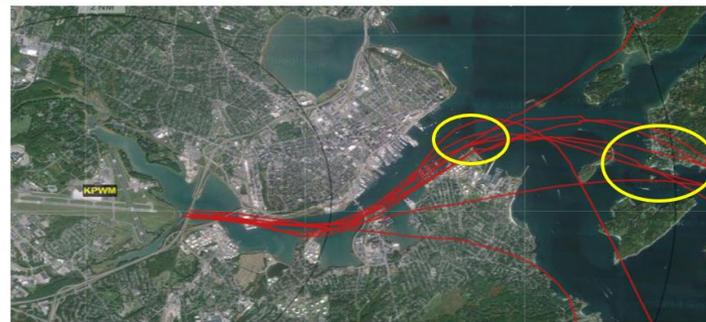


Figure 2. Notional RNAV (RNP) RWY 29 Approach – Wide View

Old Business: Adding waypoints and suggested altitudes to Harbor Visual

Harbor Visual Approach

- Arrivals only
- Daylight Hours Only
- More Restrictive than regular Visual Flight Rules (VFR)
 - Cloud ceiling greater than 3000ft
 - Visibility greater than 4 miles
- Requires Radar (Cumberland)
- Jet Aircraft Only



LOCAL & STATE > Posted August 1 | Updated August 2

Fed up with jetport noise, residents ask FAA to change flight paths

Sen. Collins presses a top agency official to facilitate a solution as quickly as possible.

BY PETER MCGUIRE STAFF WRITER



David Wakelin, a member of the Portland International Jetport noise committee, is pressing the FAA to come up with ways to fix the noise problem he and his neighbors endure in their South Portland neighborhood. *Shawn Patrick Ouellette/Staff Ph*

South Portland residents tired of airliners flying over their homes are pushing the Federal Aviation Administration to improve landing routes into the Portland International Jetport.

Last year, the jetport logged more than 1,400 noise complaints – three times as many as in 2016 – mainly from residents of South Portland’s residential

3. Opening Questions/Public Comment (15 minutes)

- For public comment by Zoom attendees, you will need to use the “raise your hand” feature in Zoom so you can be recognized by the host. Telephone participants can dial *9 to raise their hand. You will be unmuted by the host when it is time for public comment.
- Please state your name and address for the record.

4. Approval of October 12, 2023 Meeting Minutes

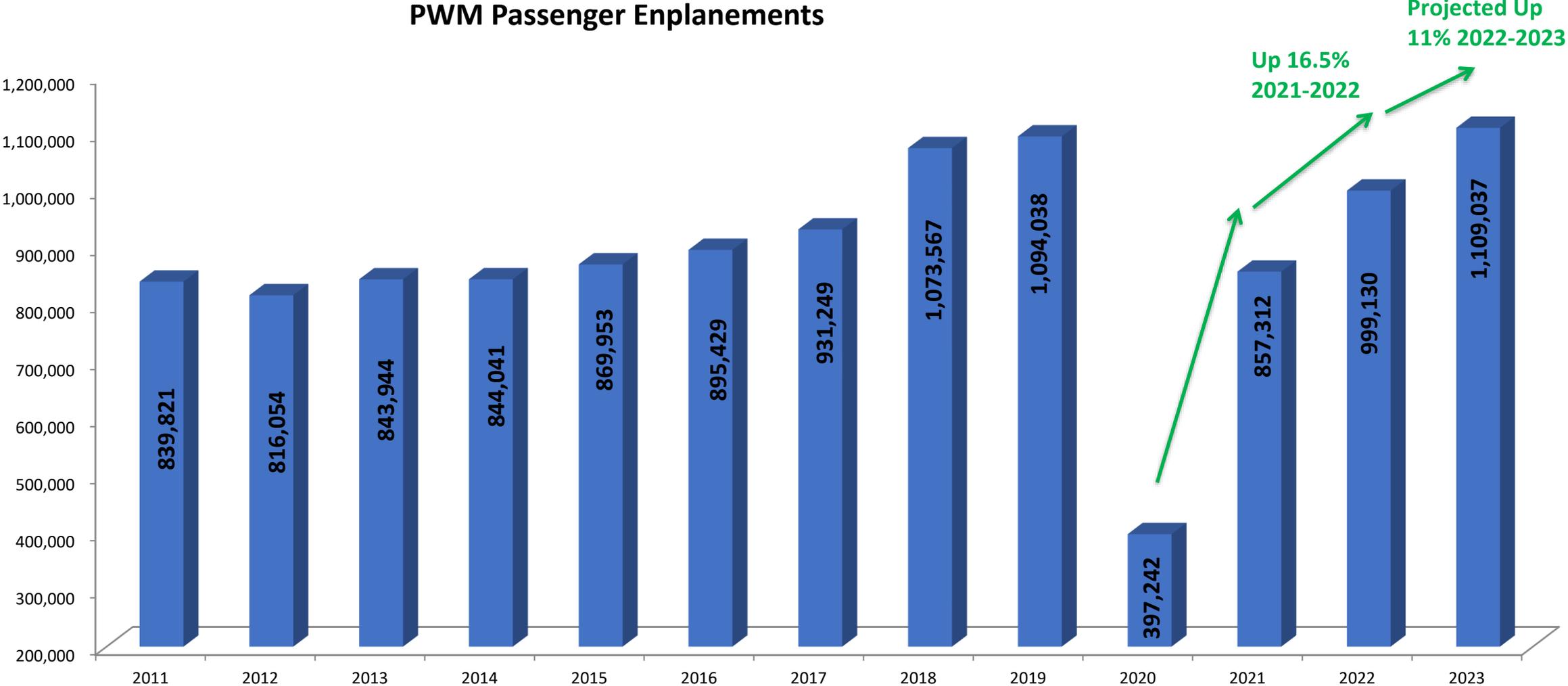
Date	Start	End	Next Meeting	Next Time	Prepared By	Company
10/12/2023	6:00 PM	7:15 PM	TBD	6:00 PM	I. Meriwether P. Bradbury	PWM

Attended By	Absent
Tom Ainsworth – Stroudwater Neighborhood Association	Regina Phillips – Portland City Councilor/NAC Chair
Natalie West – South Portland Councilor/Rep.	Susan Gillis – Cape Elizabeth Town Councilor
Mike Foley – Westbrook Mayor	Lee Pratt – Gorham Town Council Chair
Joshua Francis – FedEx / Air Cargo Designee	Michael Wood – Scarborough Representative
Jennifer Lavanture – Peaks Island Resident Rep.	
Dr. Jeremy Morton – Western Prom Rep	
Adam Spey - Southwest Airlines	
David Wakelin – South Portland Resident Rep.	
Brian Whittemore – PWM ATCT Manager designee	
PWM Representatives	
Paul Bradbury – Airport Director	
Katherine Glidden – Customer Experience Manager	
Ian Meriwether – Operations Duty Officer	
Non-Member Attendees	
Basil Klosteridis – Peaks	
Julie Shane – NAC Working Group	
Deborah Napier – Stroudwater Neighborhood Assn.	
FAA Representatives	

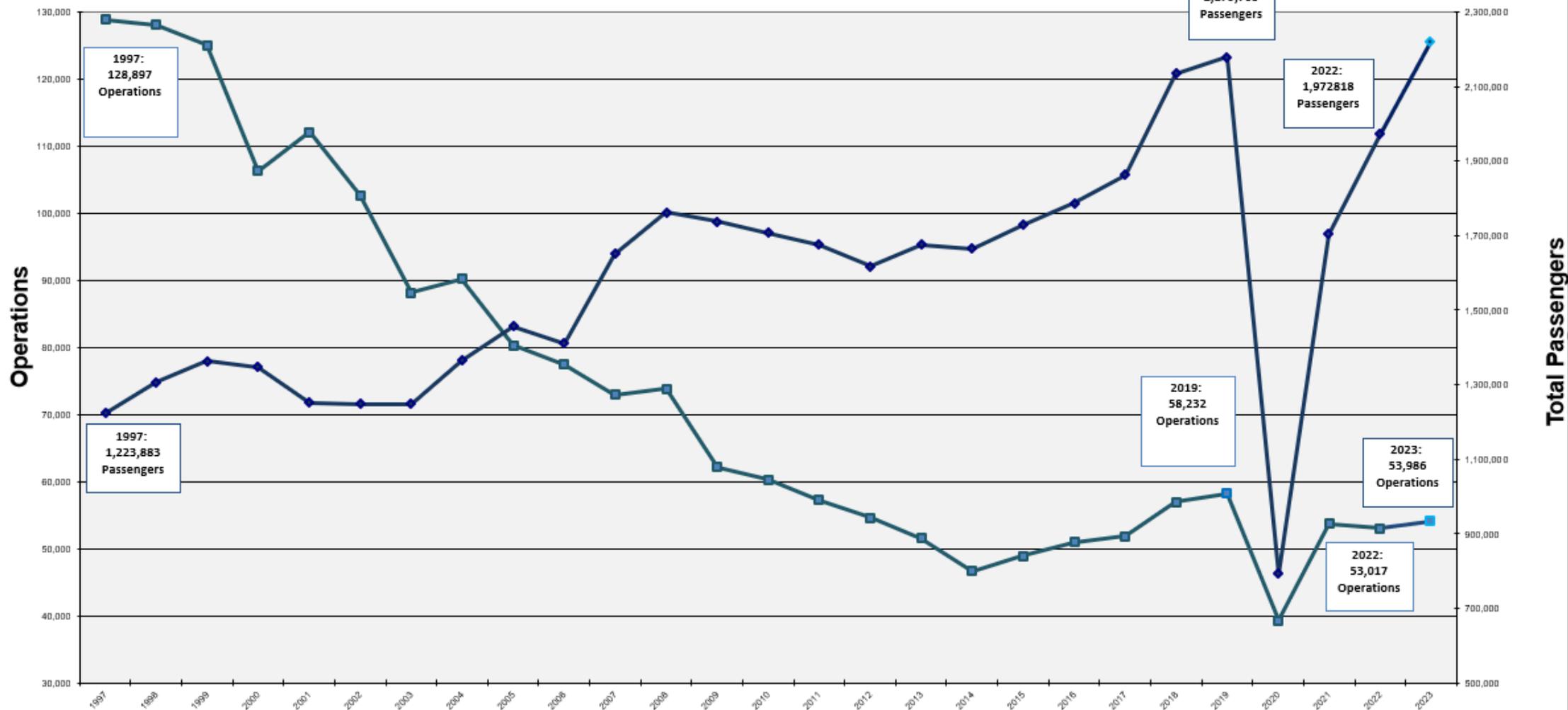
- Approval of the Minutes for the October 12, 2023 Meeting.

4. Review of Jetport Passenger Statistics & Runway Use

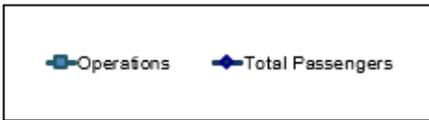
PWM Passenger Enplanements



Aircraft Operations (arrivals & departures) vs Total Passengers



From 1997 to 2019 operations are down **54.8%** and total passengers are up **78.1%**.
 For 2022 Operations remained **9.0%** below 2019 levels and total passengers **9.5%** below 2019 levels.
 For 2023 Operations are **7.3%** below 2019 levels and total passengers are **1.8%** above 2019 levels.



Total Passengers

2023 Projected:
2,146,000
Passengers

2019:
2,179,705
Passengers

2022:
1,972,818
Passengers

1997:
1,223,883
Passengers

2019:
58,232
Operations

2023:
53,986
Operations

2022:
53,017
Operations

Passenger Statistics – Historical Enplanements

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Change
2012	49,310	51,971	60,574	64,041	68,543	74,159	87,503	92,742	77,661	76,475	58,972	54,103	816,054	
2013	50,413	49,175	60,393	66,643	70,906	74,518	90,596	96,583	82,396	84,320	59,029	58,972	843,944	3.4%
2014	48,818	48,770	64,414	65,873	69,448	75,085	88,763	96,224	82,881	85,388	58,365	60,012	844,041	0.0%
2015	48,563	46,461	59,348	64,355	71,113	82,041	97,206	102,054	86,623	87,892	65,595	58,702	869,953	3.1%
2016	49,982	48,897	61,051	66,309	72,695	79,392	95,454	100,668	92,260	94,762	68,821	65,138	895,429	2.9%
2017	54,499	50,256	65,566	67,338	75,344	84,231	101,368	104,165	92,530	99,996	71,613	64,343	931,249	4.0%
2018	56,272	57,672	62,490	77,423	81,816	100,961	122,194	130,339	110,634	115,234	83,995	74,537	1,073,567	15.3%
2019	64,824	65,678	77,180	78,421	84,340	100,525	119,151	127,461	113,123	110,707	77,611	75,017	1,094,038	1.9%
2020	67,985	67,499	36,979	2,535	7,184	14,486	32,359	41,658	35,281	39,605	27,399	24,272	397,242	-63.7%
2021	20,907	22,255	34,213	52,122	60,022	91,447	120,481	126,572	101,867	106,803	64,519	56,104	857,312	115.8%
2022	43,509	53,468	66,297	70,956	69,086	100,972	120,710	123,339	111,386	115,679	65,757	57,971	999,130	16.5%
2023	50,858	53,356	64,199	67,148	79,938	115,579	137,002	143,021	124,579	127,249	78,570	67,538	1,109,037	11.0%
Change ENP YOY	16.9%	-0.2%	-3.2%	-5.4%	15.7%	14.5%	13.5%	16.0%	11.8%	10.0%	19.5%	16.5%	11.0%	
Change ENP vs 2019	-21.5%	-18.8%	-16.8%	-14.4%	-5.2%	15.0%	15.0%	12.2%	10.1%	14.9%	1.2%	-10.0%	1.4%	1.4%
Cap 23	79,965	75,946	81,926	84,024	92,675	148,288	161,029	158,471	153,243	140,354	89,089	82,998	1,348,008	
LF 23	63.6%	70.3%	78.4%	79.9%	86.3%	77.9%	85.1%	90.3%	81.3%	90.7%	88.2%	81.4%	82.3%	
Cap 22	74,182	68,895	80,167	89,153	94,118	131,556	143,886	143,383	133,881	128,991	88,710	85,024	1,261,946	
LF 22	58.7%	77.6%	82.7%	79.6%	73.4%	76.8%	83.9%	86.0%	83.2%	89.7%	74.1%	68.2%	79.2%	
Change CAP 22/23	7.8%	10.2%	2.2%	-5.8%	-1.5%	12.7%	11.9%	10.5%	14.5%	8.8%	0.4%	-2.4%	6.8%	
Change CAP 19/23	-9.9%	-6.0%	-9.9%	-8.7%	-10.7%	21.8%	17.1%	11.2%	20.7%	14.7%	-4.2%	-8.4%	4.4%	



Record Month

Noise Data: Noise Reports vs Reporters

-	-	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2015	Report	7	7	13	28	38	46	75	49	78	43	2	2	388
	Reporter	1	2	4	4	7	8	9	15	13	7	2	2	74
2016	Report	11	8	21	26	37	33	106	137	34	14	19	21	467
	Reporter	4	5	4	7	7	8	13	12	9	4	1	4	78
2017	Report	3	1	4	10	29	31	33	84	61	76	429	169	930
	Reporter	2	1	4	4	8	10	15	19	21	16	17	8	125
2018	Report	172	44	22	40	52	57	227	180	129	204	160	119	1406
	Reporter	4	9	9	4	8	16	27	22	17	18	16	31	181
2019	Report	74	34	33	9	55	97	115	359	141	66	58	33	1074
	Reporter	15	11	6	4	17	30	43	76	35	3	8	3	251
2020	Report	53	56	61	22	89	150	267	240	143	68	78	26	1253
	Reporter	9	9	9	5	31	48	38	49	22	18	20	9	267
2021	Report	34	19	54	53	87	160	207	397	343	286	300	222	2162
	Reporter	16	6	22	15	34	49	48	47	36	35	16	21	345
2022	Report	199	124	235	129	42	265	242	199	138	195	64	101	1933
	Reporter	10	19	20	30	25	49	41	37	18	14	13	7	243*
2023	Report	69	64	54	73	118	151	157	195	74	97	41	16	1109
	Reporter	5	8	8	13	12	28	29	35	9	5	4	4	94*

* Unique Reporters

Noise Data: Primary Runway Use (All Traffic)

PWM Runway Operations													
2023	January	February	March	April	May	June	July	August	September	October	November	December	Total
11A	497	507	507	838	619	1443	1413	1061	1332	773	370	363	9723
11D	403	378	343	689	497	1174	1090	775	947	578	264	289	7427
18A	18	66	102	109	252	333	347	296	194	158	101	13	1989
18D	14	39	74	85	168	272	454	363	259	177	93	12	2010
29A	910	797	846	671	946	577	1075	1473	905	1355	1462	1155	12172
29D	925	892	978	775	1074	754	1163	1589	1156	1418	1377	1187	13288
36A	68	62	167	66	259	52	59	140	117	98	155	165	1408
36D	63	54	125	54	178	53	94	141	110	104	152	125	1253
Total	2898	2795	3142	3287	3993	4658	5695	5838	5020	4661	3974	3309	49270
% Use of Primary Runway 2023	94%	92%	85%	90%	79%	85%	83%	84%	86%	88%	87%	90%	86%
% Use of Primary Runway 2022	86%	88%	85%	49%	0%	53%	82%	84%	86%	91%	91%	86%	83%

Red - Indicates Period of Construction on Primary Runway

Noise Data: Primary Runway Use (Jet Only)

PWM Runway Operations													
2023	January	February	March	April	May	June	July	August	September	October	November	December	Total
11A	367	369	386	611	505	1137	1123	879	1012	608	261	298	7556
11D	668	277	262	499	402	974	926	684	754	470	197	237	6350
18A	0	7	9	16	39	67	19	27	8	6	4	5	207
18D	1	8	10	18	29	30	68	52	16	12	11	2	257
29A	562	548	598	443	4	402	651	907	543	807	841	675	6981
29D	645	655	731	560	769	555	795	1075	789	924	894	756	9148
36A	10	22	45	13	42	15	4	11	13	11	11	16	213
36D	3	8	29	6	33	22	14	18	18	12	12	9	184
Total	2256	1894	2070	2166	1823	3202	3600	3653	3153	2850	2231	1998	30896
% Use of Primary Runway 2023	99%	98%	96%	98%	92%	96%	97%	97%	98%	99%	98%	98%	97%

Noise Data: Runway Preference December 2023 (Arrivals)

Runway Preference 2023 (Provides Data On Effectiveness To Approach From The West)

Arrivals Over South Portland		Arrivals Over Portland / West End		Arrivals Over Peaks Island		Arrivals Over Little Diamond		Arrivals Over Falmouth	
Arrivals	645	Arrivals	0	Arrivals	134	Arrivals	10	Arrivals	22
% of 11 / 29 Arrivals	42%	% of 11 / 29 Arrivals	0%	% of 11 / 29 Arrivals	9%	% of 11 / 29 Arrivals	1%	% of 11 / 29 Arrivals	1%

From West		From East		Total Arrivals	
Arrivals	363	Arrivals	1155	Arrivals	1518
% of 11 / 29 Arrivals	24%	% of 11 / 29 Arrivals	76%	% of 11 / 29 Arrivals	100%

Data Represents Jet Aircraft Only

Noise Data: Runway Preference December 2023 (Departures)

Runway Preference 2023 (Provides Data On Effectiveness To Approach From The West)

Departures Over South Portland		Departures Over Portland / West End		Departures Over Peaks Island		Departures Over Little Diamond		Departures Over Falmouth	
Departures	26	Departures	5	Departures	127	Departures	109	Departures	86
% of 11 / 29 Departures	1.79%	% of 11 / 29 Departures	0.34%	% of 11 / 29 Departures	9%	% of 11 / 29 Departures	7%	% of 11 / 29 Departures	6%

To West		To East		Total	
Departures	1187	Departures	269	Departures	1456
% of 11 / 29 Departures	82%	% of 11 / 29 Departures	18%	% of 11 / 29 Departures	100%

Data Represents Jet Aircraft Only

Noise Data: Runway Preference During Noise Sensitive Hours 10pm-7am

(Preference to depart to the West / arrive from the West)

Noise Data: NCP compliance 10pm – 7am								
Week 12/22 - 12/28	12/22	12/23	12/24	12/25	12/26	12/27	12/28	Weekly Total
RWY 11 Arrivals	6	1	2	1	3	8	4	25
RWY 29 Departures	9	8	8	5	7	4	2	43
Total RWY Operations	17	15	11	8	14	12	13	90
% of Arrivals / Departures to and from west	88%	60%	91%	75%	71%	100%	46%	76%

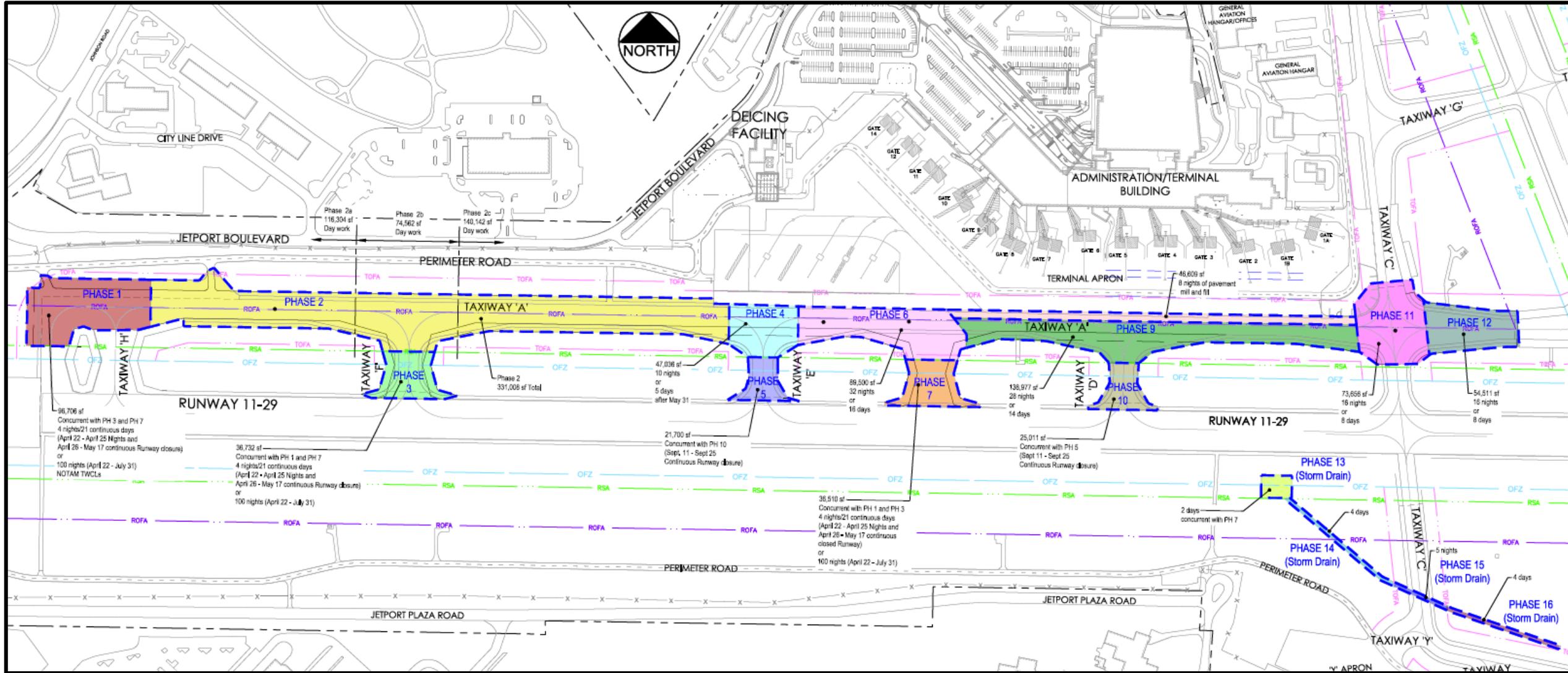
Data Represents Jet Aircraft Only

RWY 11 Departures December 2023 (Early North / South)

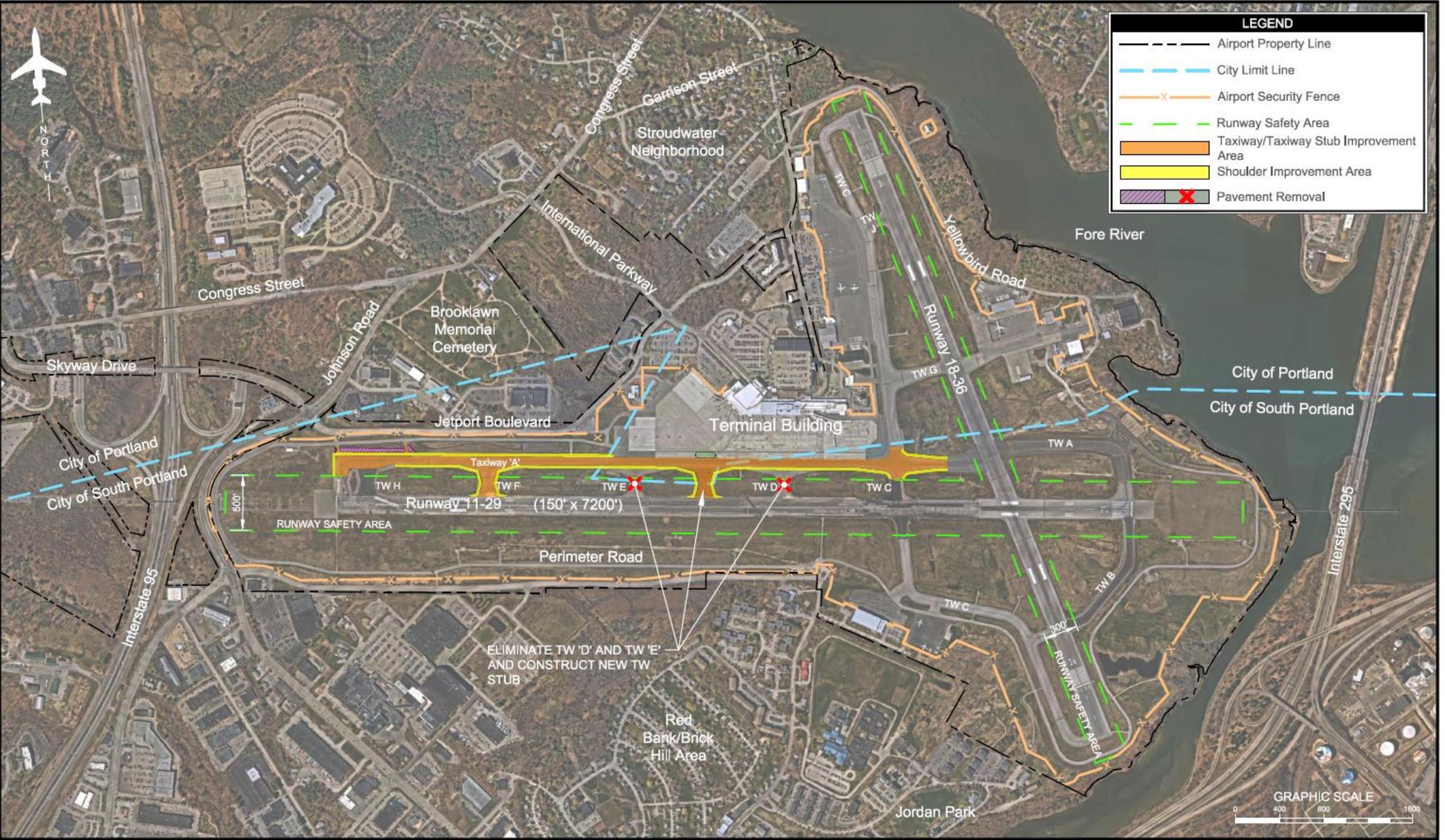
Departures Over West End (Early North)		Departures over South Portland (Early South)			
Departures	5	Departures	1		
% of 11 Departures	1.96%	% of 11 Departures	0.39%		
To West		To East		Total	
Departures	166	Departures	89	Arrivals	255
% of 11 / 29 Departures	65%	% of 11 / 29 Departures	35%	% of 11 / 29 Departures	100%

Data Represents Jet Aircraft Only

Taxiway A Project – Night time closures April 22nd – July 31st



V:\1952\active\195210992\aviation\Capital_Improvement_Plan\9_drawing\sheet_files\figures\195210916_figures-Context_Plan_2023.dwg [ranthony 7/18/2023 2:41 PM



Stantec
 2211 Congress Street, Suite 380
 Portland, Maine 04102-1955
 Tel. 207.883.3355
 www.stantec.com

Client/Project
 PORTLAND INTERNATIONAL JETPORT
 PORTLAND AND SOUTH PORTLAND, MAINE
 (FIGURE TO ACCOMPANY THE PROPOSED PROJECT WORKSHEET)

File Name: 195210916_figures-context_plan_2022

LA	DDA	DDA	23.07.18
DWN.	CHKD.	DSGN.	YY.MM.DD

Title
 RECONSTRUCT TW 'A', TW 'D', TW 'E' & TW 'F'
 (C.I.P. S36) PROJECT LOCATION

Figure No.
 1



Taxiway A Project

OPTION 1: CONTINUOUS RW 11-29 CLOSURE (21 days, plus 4 nights)

- Commencing April 22nd with four (4) night shifts on 4/22, 4/23, 4/24 & 4/25
- 24-hour continuous runway closure commencing April 26th through to May 17th
- Work occurring in Phase 1, 3 & 7 concurrently
- RW 11-29 would be reopened for the weekend before Memorial Day weekend
- Contractor will be required to work 24/7 (all available hours)

OPTION 2: EQUIVALENT NIGHTLY CLOSURES OF RW 11-29 (100 each 7¼ hour night shifts)

- 100 nights with work hours proposed between 10:30pm to 5:45am
- Commencing April 22nd to July 31st

OPTION 3: CONTINUOUS RW 11-29 CLOSURE (7 days, plus 36 nights – night closures to be 12 hours each)

- Commencing April 22nd with (18) night shifts from 4/22 – May 10
- 24-hour continuous runway closure commencing May 10th through to May 17th
- Work occurring in Phase 1, 3 & 7 concurrently
- RW 11-29 could be reopened for Memorial Day weekend
- Another (18) night shifts would be needed commencing May 18th or after Memorial Day weekend
- Contractor will be required to work 24/7 (all available hours during continuous closure)

Note: All 3 options require Phase 5 & 10 (stub removals) to be completed September 11th to 25th (2 weeks of additional RW 11-29 Closure)

Proposed Surface Parking Expansion



SEBAGO
TECHNICAL
CIVIL ENGINEERING SURVEYING LANDSCAPE ARCHITECTURE
December 21, 2023

6. Update on the FAA review of the proposed new RNP overlay of the HVA and updates on revisions to HSKE & NUBLE

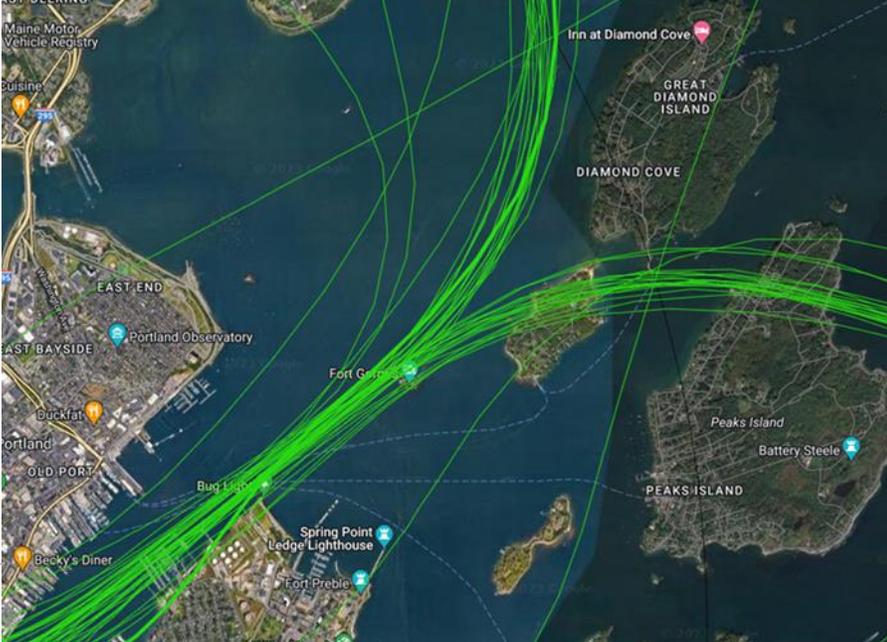
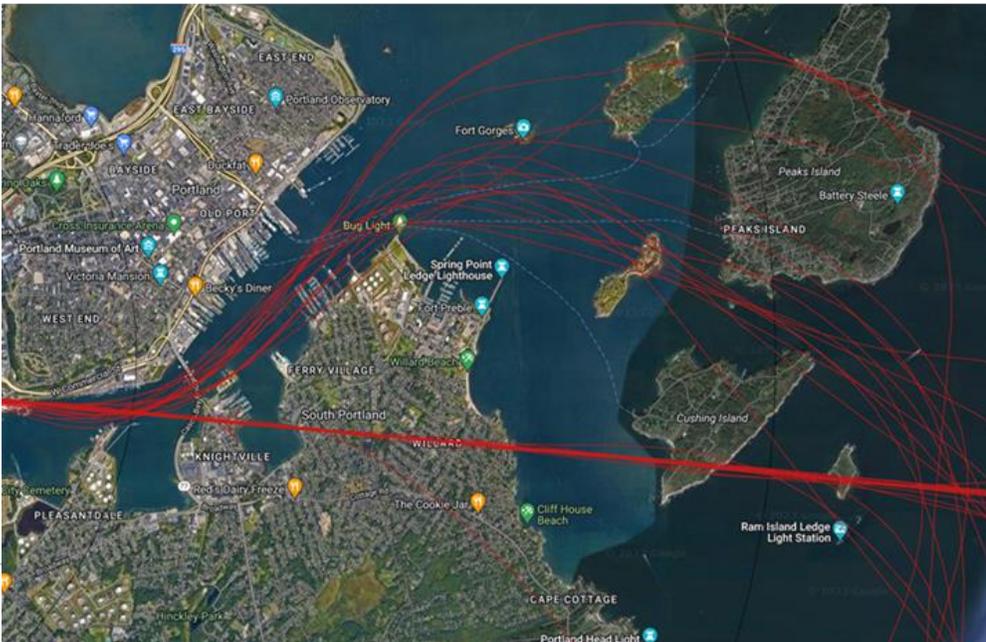
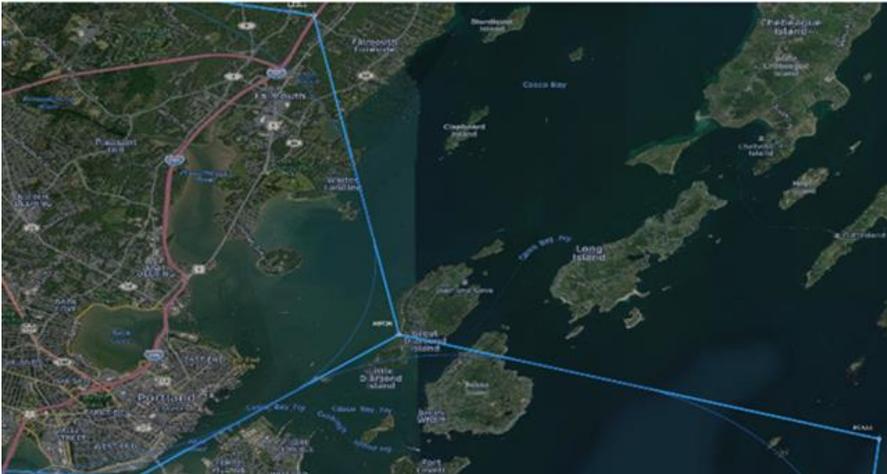
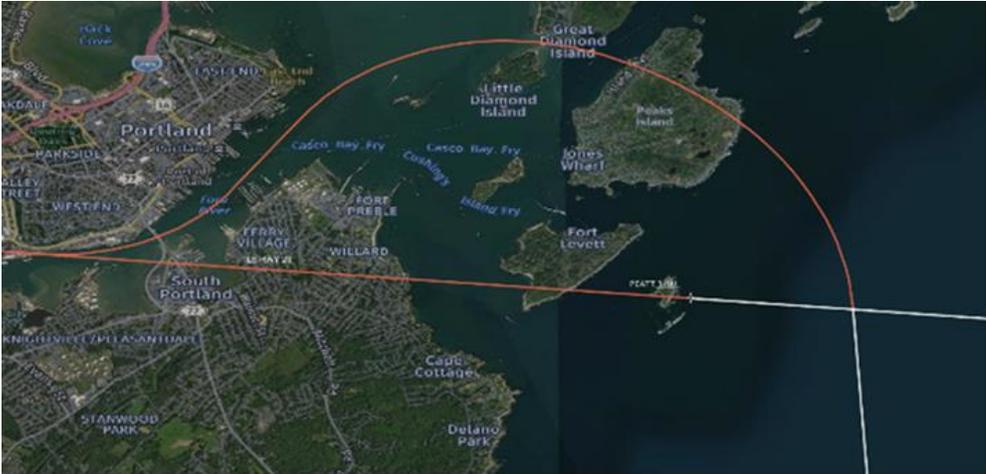
RNP with Waivers Update:

- Waivers are not being granted for noise mitigation procedures, so the Jetport is working with Vianair to update the procedure to one that does not require waivers. Evidently the original Vianair procedure developed with the NAC did not require waivers, but when updated by FAA waivers were required. This could have been due to several factors, one factor suspected by Jim Allerdice, of Vianair, is that the FAA may have increased the approach speed. Vianair has received the data used by the FAA and is working on a solution.

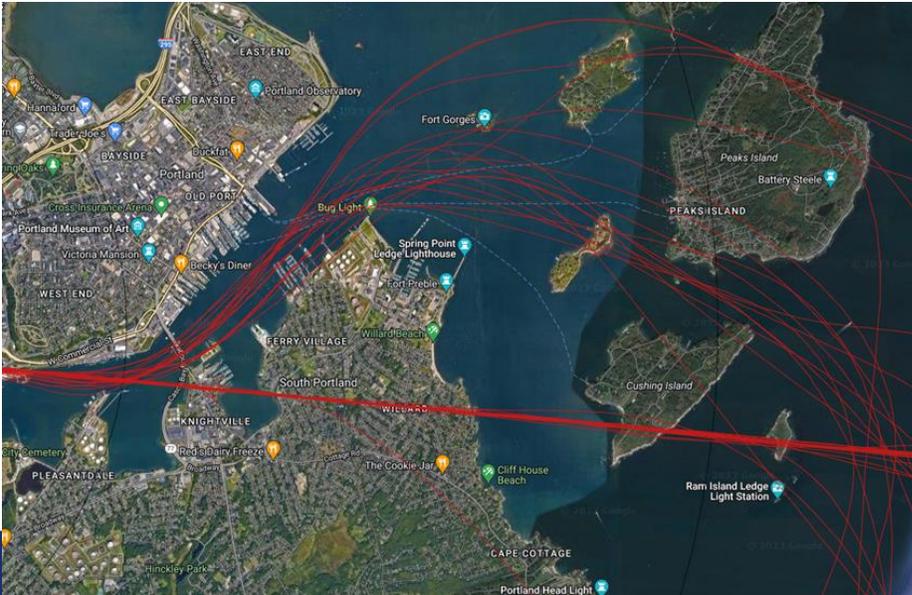
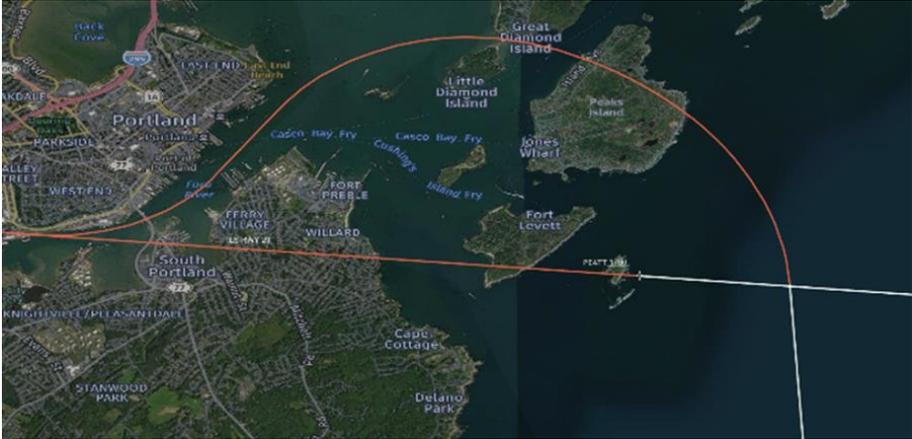
RNAV Departure Update:

- FAA does not have any updates at this time on changes to the RNAV SIDs.

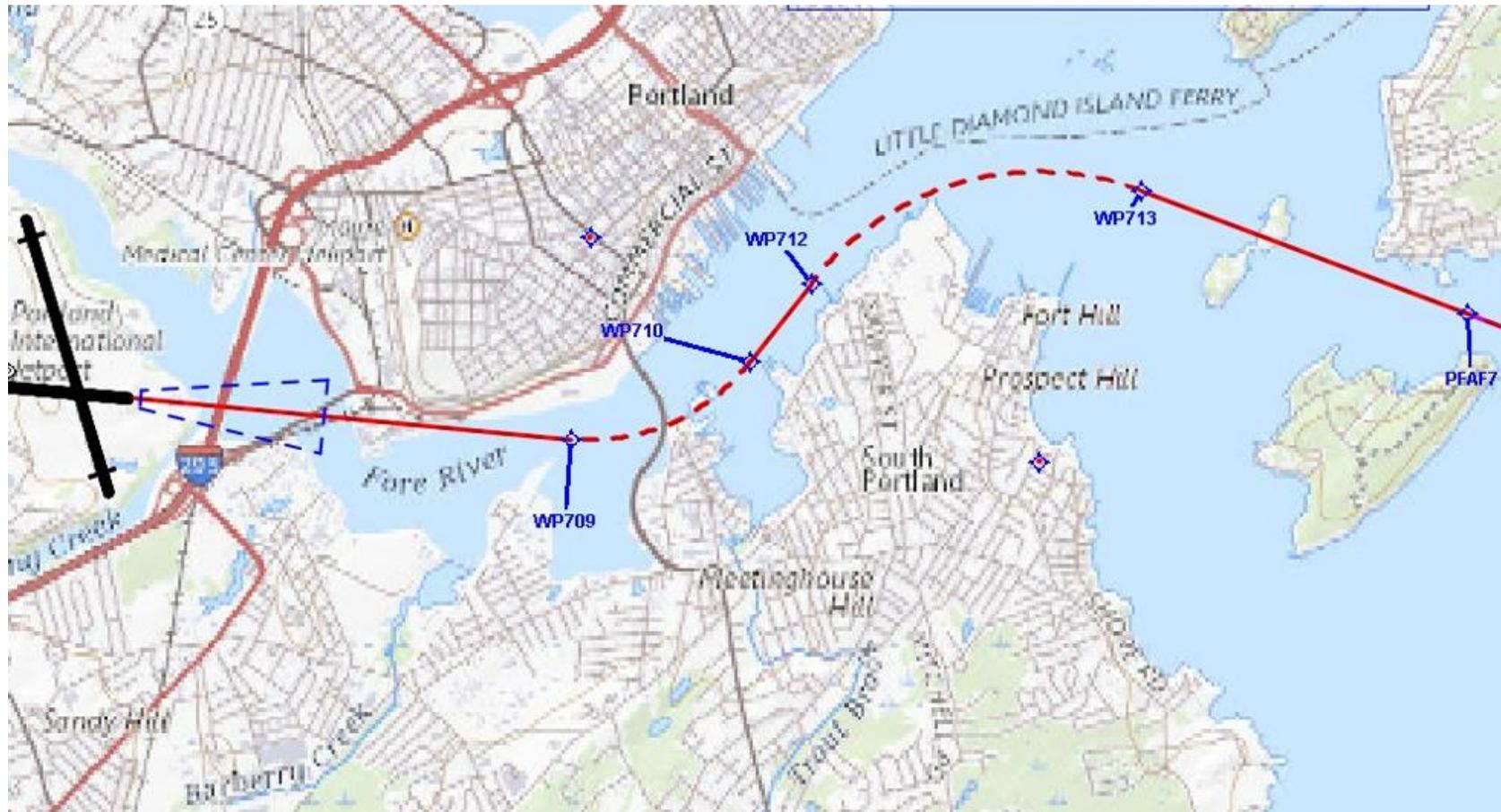
6. Update by Mark Collins, PWM ATCT, on the FAA review of the proposed new RNP overlay of the HVA and updates on revisions to HSKE & NUBLE



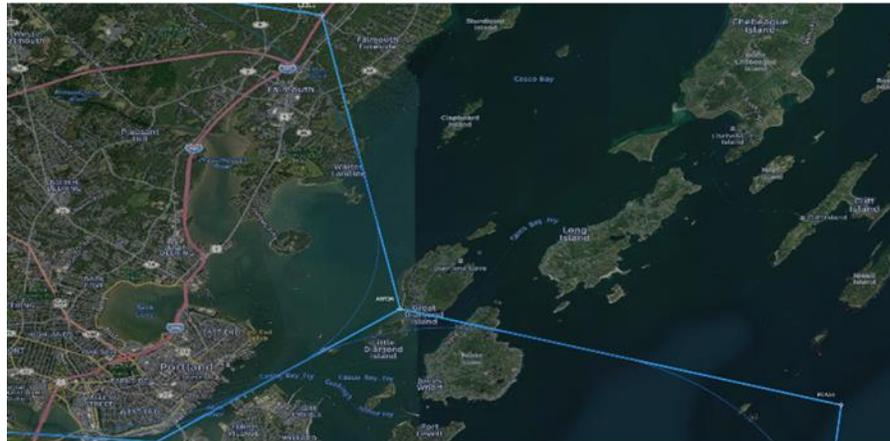
Notional RNP with Waivers



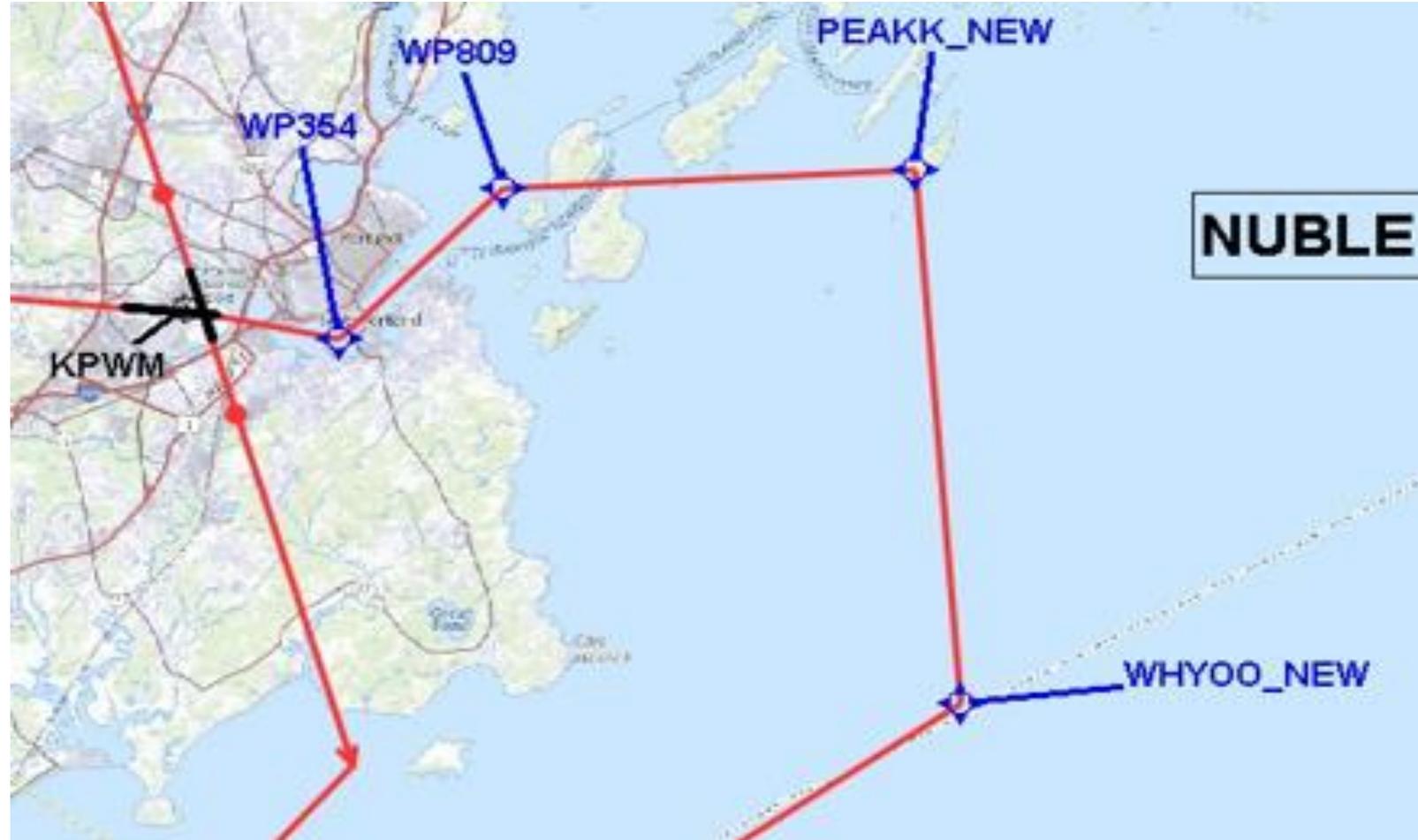
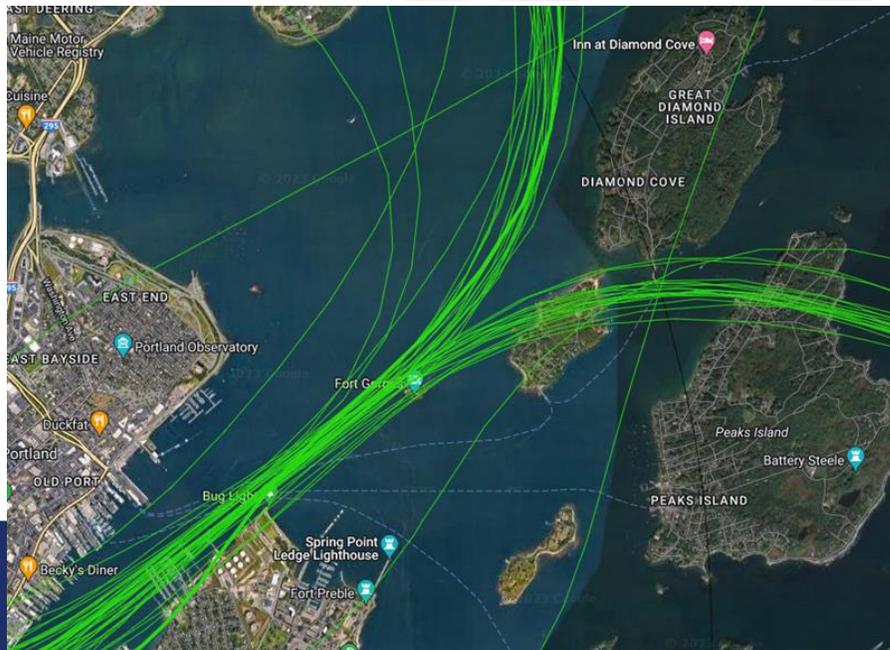
Notional RNP with Waivers Close



Revised NUBLE FOUR RNAV Departure



SIDs HSKEL and NUBLE



Revised HSKEL THREE RNAV Departure



7. Review Fly Quiet Program Compliance Monitoring Discussion:

A discrepancy report has been developed. The current plan is to review this report biweekly with PWM ATCT. The report as noted last meeting includes the following:

- Early north and early south departures to the west
- Preferential use of 11/29 over 18/36
- Runway use discrepancies – Departures on 29 to the west and arrivals from the west on 11 are preferred; HVA is preferred. Julie Shane has developed a spreadsheet that uses the Jetport's Vector flight data to indicate these discrepancies.

The Jetport is including funding to provide outside consultant assistance with this effort for fiscal year 2025.

8. Closing Questions / Public Comment

- For public comment, you will need to use the “raise your hand” feature in Zoom so you can be recognized by the host. Telephone participants can dial *9 to raise their hand.
- Please state your name and address for the record.

9. Next Meeting:

Planned for April or May. We will issue online poll to find a convenient date.

10. Adjournment:



*Maine's
Home
Airport.*