

# Noise Advisory Committee Meeting

September 29, 2022 at 6:00 pm

## Zoom Webinar Meeting link:

<https://portlandmaine-gov.zoom.us/j/87695041911?pwd=YTVvbUU3dFBhdjdRN04vV1k4RDVnUT09>

## Passcode: 515195

Or One tap mobile :

US: +19292056099,,87695041911#,,,,\*515195# or  
+13017158592,,87695041911#,,,,\*515195#

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

US: +1 929 205 6099 or +1 301 715 8592 or +1 309 205 3325 or +1 312 626 6799 or +1 646 931 3860 or +1 719 359 4580 or +1 253 215 8782 or +1 346 248 7799 or +1 386 347 5053 or +1 564 217 2000 or +1 669 444 9171 or +1 669 900 6833

Webinar ID: 876 9504 1911

Passcode: 515195



**Maine's  
Home  
Airport.**





# AGENDA: NAC September 29, 2022

1. Welcome / Meeting Information / Process
2. Opening Questions / Public Comment (15 minutes)
3. Approval of the Minutes for the April 7, 2022 Meeting (Link to [Draft Minutes](#) and [Meeting Presentation](#)).
4. Jetport Operating Statistics: Passenger volumes, capacity, # operations
5. Noise Data: Noise report tabulations through August 2022.
6. New Business:
  - A. The NAC will consider adopting recommendations approved by the NAC Subcommittee, established by the NAC at its April 7, 2022 meeting.
  - B. If the NAC approves the recommendation to hire an SME, then the NAC will be asked to approve the attached scope of work provided by Vianair.
7. Closing Questions / Public Comment
8. Next Meeting Date: The NAC Should Review and set its next meeting date.
9. Adjournment



# 1. Welcome NAC Members and Public Attendees

Portland City Councilor (Chair) <b>Councilor Tae Chong</b>	Peaks Island Resident Representative <b>Jennifer Lavanture</b>
Stroudwater Village Association President or Designee <b>Tom Ainsworth</b>	President of Western Promenade or Designee <b>Dr. Jeremy Morton</b>
South Portland City Councilor or Representative <b>Natalie West</b>	South Portland Resident Representative <b>David Wakelin</b>
Westbrook City Councilor or Representative <b>Mayor Mike Foley</b>	Cape Elizabeth Town Councilor or Representative <b>Councilor Penny Jordan</b>
Greater Portland Chamber of Commerce President or Designee <b>Quincy Hentzel</b>	FAA Air Traffic Control Manager (Acting) <b>Mark Collins</b>
Air Cargo Station Manager <b>Steve Dalzell</b>	Signatory Airline Station Manager <b>Katherine Hughes</b>
Gorham Town Councilor or Representative <b>Council Chairman Lee Pratt</b>	Scarborough Town Councilor or Representative <b>Scarborough Appointing new representative</b>

## 2. Opening Questions/Public Comment (15 minutes)

The Portland Int'l Jetport September 29, 2022 Noise Advisory Committee will be held as a hybrid meeting.

Attendees may participate in person at the Jetport conference room or via the following Zoom Webinar Meeting link. If you are not able to attend live, a recording will be uploaded to <https://portlandjetport.org/noise>. Please click the link below to join the webinar:

**Zoom Webinar Meeting link:**

<https://portlandmaine-gov.zoom.us/j/87695041911?pwd=YTVvbUU3dFBhdjdRN04vV1k4RDVnUT09>

**Passcode: 515195**

- 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.

## 2. Opening Questions/Public Comment (15 minutes)

### **WESTERN PROMENADE NEIGHBORHOOD ASSOCIATION**

September 28, 2022

Portland International Jetport  
Noise Advisory Committee

Dear NAC Members:

I am writing to express the support of the Western Promenade Neighborhood Association for:

- The recommendations approved by the NAC Subcommittee on August 11, 2022, and
- The proposal to hire Vianair to evaluate the noise impact of existing operations, identify strategies to reduce such impacts (including modifications of existing approach and departure procedures), and secure FAA approval.

We support the approach of the Vianair proposal, but have a few questions that we hope can be answered in the meeting:

- What will be the membership of the Community Working Group? How many representatives from each affected neighborhood? Will affected neighborhoods be able to choose their own representatives?
- Will there be a forum, at some point, for public comments?
- Will the "review of existing conditions, airspace, and procedures" include review and analysis of flight path deviations to determine the extent to the perceived problem?

We certainly hope that there will be a quorum at the NAC meeting and that this process can move forward, hopefully with a unanimous vote.

Very truly yours,

(s) Anne B. Pringle  
President

Dear Noise Advisory Committee,

Little Diamond Island Association (LDIA) supports the proposal to hire Vianair to develop solutions to the overflights, which has increasingly plagued our island for several years now. It has become a frequent topic of discussion and source of complaints among our residents and their guests.

I respectfully request that LDIA be a named member of the proposed Community Working Group so we have the opportunity to express our reactions to Vianair's analysis and proposed solutions as they relate to LDI.

Thank you for consideration of our support, and request to join the CWG.

Sincerely,

Jeff Pond

President, Little Diamond Island Association

# 3. Approval of April 7, 2022 Meeting Minutes

Portland International Jetport Noise Advisory Committee  
1001 Westbrook Street, Portland, Maine 04102



Date	Start	End	Next Meeting	Next Time	Prepared By	Company
04/07/2022	6:00 PM	7:17 PM	06/02/2022	6:00 PM	B. Treadwell	PWM

Attended By	Absentees
Shaun Patten – FAA ATC	Tae Chong – Portland City Council / NAC Chair
Tom Ainsworth – Stroudwater Village Rep.	Guy Gledhill – Scarborough Town Council
David Wakelin – South Portland Resident Rep.	
Jennifer Lavanture – Peaks Island Resident Rep.	
Dr. Jeremy Morton – Western Promenade Rep.	PWM Representatives
Jerry Angier – Greater Portland Chamber Rep.	Paul Bradbury – Airport Director
Katherine Hughes – Air Carrier Rep.	Zachary Briggs – Dep. Director Ops & Maintenance
Mike Foley – Westbrook Mayor	Ben Treadwell – Operations Supervisor
Steve Dalzell – FedEx / Air Cargo	
Deqa Dhalac – South Portland Mayor	FAA Attendees
Lee Pratt – Gorham Town Council	Ken Knopp
Penny Jordan – Cape Elizabeth Town Council	Camille Sprauve
	Emerson Colvin
Non-Member Attendees	Ralph Nicosia-Rusin
Anne Pringle	
Basil Klosteridis	
John Levesque	
Brenda Kielty	
Natalie West	
Lisa Orff	
Triss Critchfield	
Camille Sprauve	
Steve Brown	
Julia Shane	
Deborah Napier	
Vicki Flanigan	
Lee Harvey	
(Additional Member of the public were in attendance but did not identify themselves )	

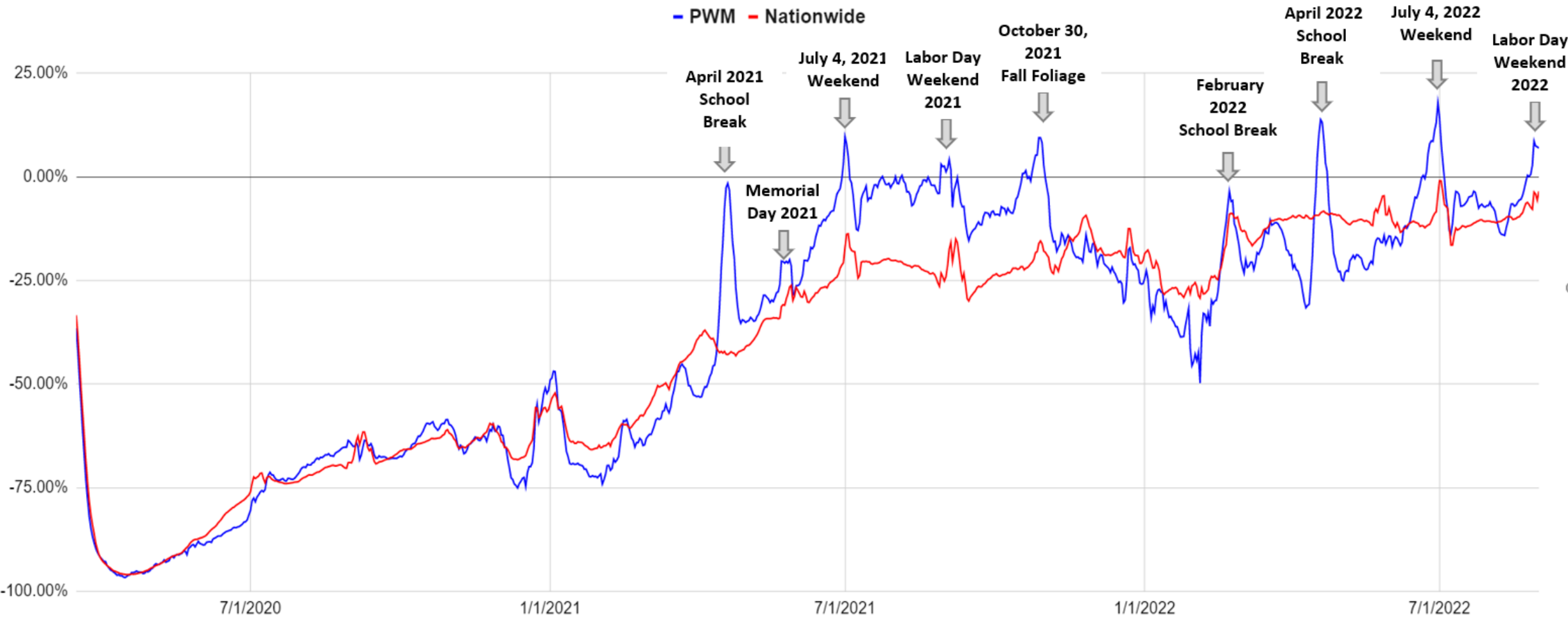
- Approval of the Minutes for the April 7, 2022 Meeting (Link to [Draft Minutes](https://portlandjetport.org/sites/default/files/files/Meeting Minutes 04-07-2022.pdf) and [Meeting Presentation](https://portlandjetport.org/sites/default/files/files/NAC Meeting Presentation 04072022.pdf)).

<https://portlandjetport.org/sites/default/files/files/Meeting Minutes 04-07-2022.pdf>

<https://portlandjetport.org/sites/default/files/files/NAC Meeting Presentation 04072022.pdf>

# 4. Jetport Operating Statistics – TSA SSCP benchmarked to 2019

PWM and Nationwide 7 Day Rolling Average Checkpoint Throughput Change from 2019



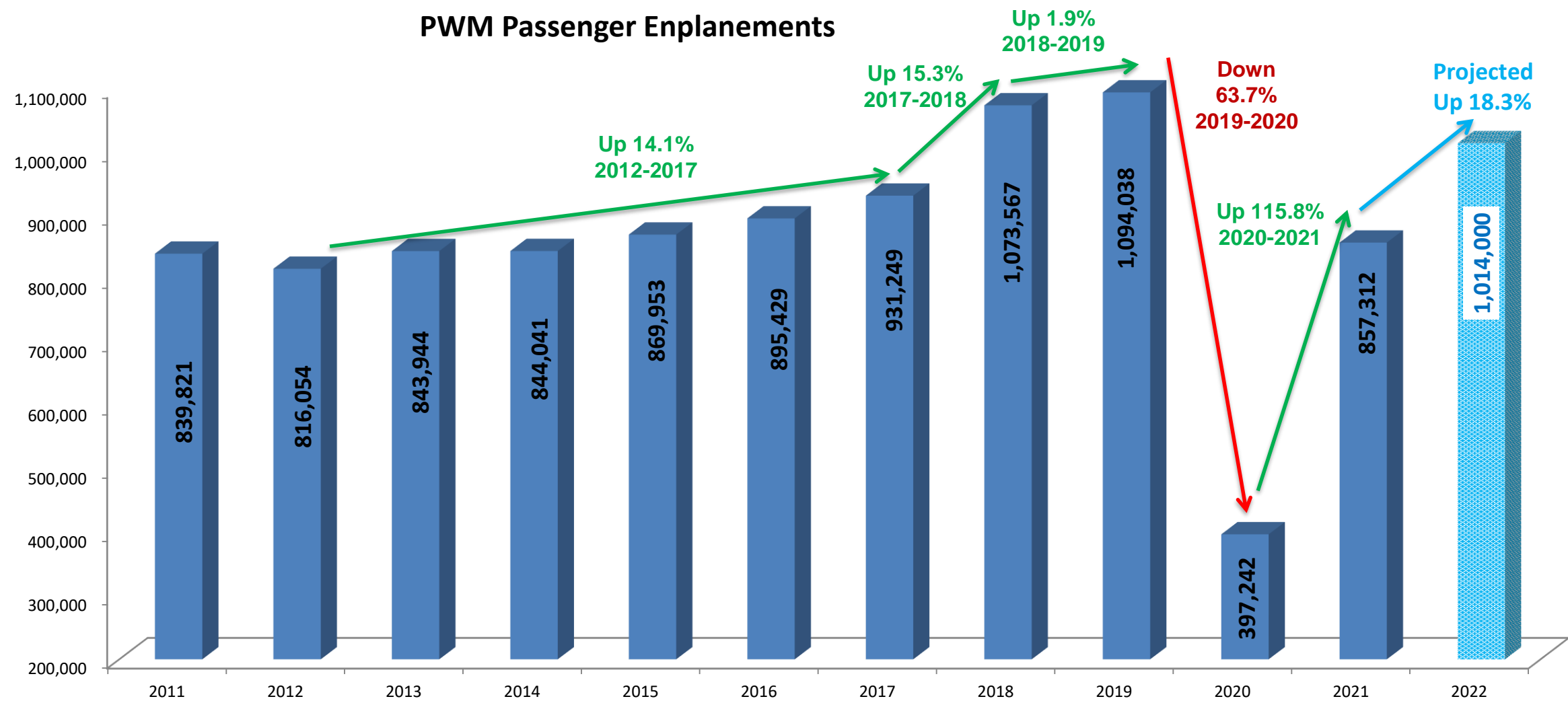
## 4. Jetport Operating Statistics – Historical Enplanements

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Change
2011	51,278	53,493	65,925	63,835	68,188	76,236	92,855	95,219	77,163	79,097	61,393	55,139	839,821	
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	-2.8%
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					648,337	30.0%
Change ENP YOY	108.1%	140.3%	93.8%	36.1%	15.1%	10.4%	0.2%	-2.6%						
Change ENP vs 2019	-32.9%	-18.6%	-14.1%	-9.5%	-18.1%	0.4%	1.3%	-3.2%						-11.7%
Cap 22	74,182	68,895	80,167	89,153	94,118	131,556	143,886	143,383	133,881	129,025	85,964	87,992	1,262,202	
LF 22	58.7%	77.6%	82.7%	79.6%	73.4%	76.8%	83.9%	86.0%						
Cap 21	46,494	42,474	58,983	73,687	78,670	123,679	145,973	149,530	122,146	119,369	79,117	71,691	1,111,813	
LF 21	45.0%	52.4%	58.0%	70.7%	76.3%	73.9%	82.5%	84.6%	83.4%	89.5%	81.5%	78.3%	77.1%	
Change CAP 21/22	60%	62%	36%	21%	20%	6%	-1%	-4%	10%	8%	9%	23%	14%	
Change CAP 19/22	-16%	-15%	-12%	-3%	-9%	8%	5%	1%	5%	5%	-8%	-3%	-2%	
Cap 21	46,494	42,474	58,983	73,687	78,670	123,679	145,973	149,530	122,146	119,369	79,117	71,691	1,111,813	
LF 21	45.0%	52.4%	58.0%	70.7%	76.3%	73.9%	82.5%	84.6%	83.4%	89.5%	81.5%	78.3%	77.1%	
Cap 20	85,779	82,098	93,743	45,881	25,057	31,152	61,070	67,038	52,031	56,363	56,652	55,186	712,050	
LF 20	79.3%	82.2%	39.4%	5.5%	28.7%	46.5%	53.0%	62.1%	67.8%	70.3%	48.4%	44.0%	55.8%	
Change CAP 20/21	-46%	-48%	-37%	61%	214%	297%	139%	123%	135%	112%	40%	30%	56%	
Change CAP 19/21	-48%	-47%	-35%	-20%	-24%	2%	6%	5%	-4%	-2%	-15%	-21%	-14%	



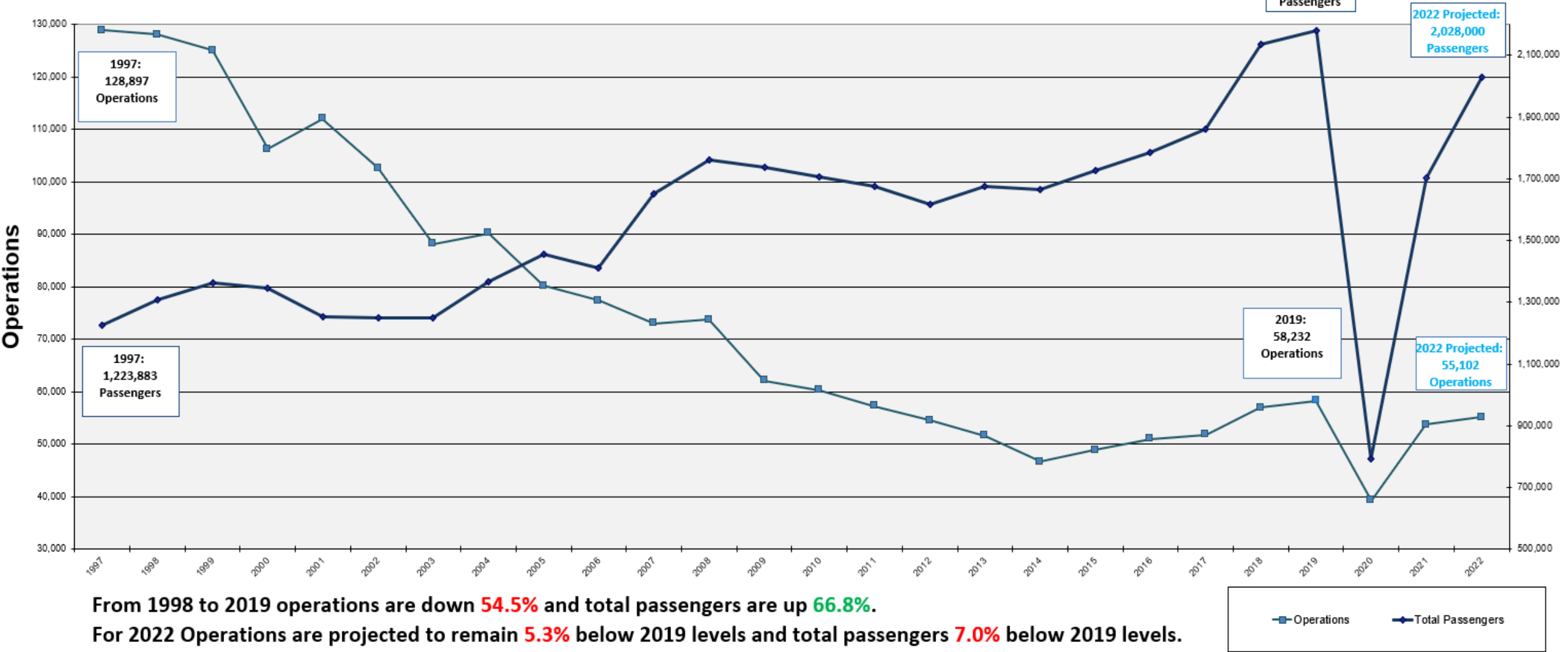
# 4. Jetport Operating Statistics – Annual Enplanements Trend

PWM Passenger Enplanements



# 4. Jetport Operating Statistics – Operations vs Total Passengers

Aircraft Operations (arrivals & departures) vs Total Passengers





## 5. Noise Data: Report Tabulations through August 2022: Primary Runway Use

PWM Runway Operations													
2022	January	February	March	April	May	June	July	August	September	October	November	December	Total
11A	226	290	453	356	0	649	871	1428					4273
11D	151	217	356	295	0	521	724	1254					3518
18A	60	115	98	502	1645	825	417	321					3983
18D	31	78	89	449	1419	786	406	296					3554
29A	966	848	1012	560	0	697	1411	892					6386
29D	1040	878	1069	615	0	761	1468	987					6818
36A	158	57	173	488	491	352	100	134					1953
36D	126	53	137	444	529	323	57	109					1778
Total	2758	2536	3387	3709	4084	4914	5454	5421	0	0	0	0	32263
% Use of Primary Runway 2022	86%	88%	85%	49%	0%	53%	82%	84%					66%
% Use of Primary Runway 2021	80%	90%	74%	75%	73%	86%	100%	100%	94%	85%	84%	92%	86%

Red - Indicates Period of Construction on Primary Runway

## 5. Noise Data: Wiggins Runway Use

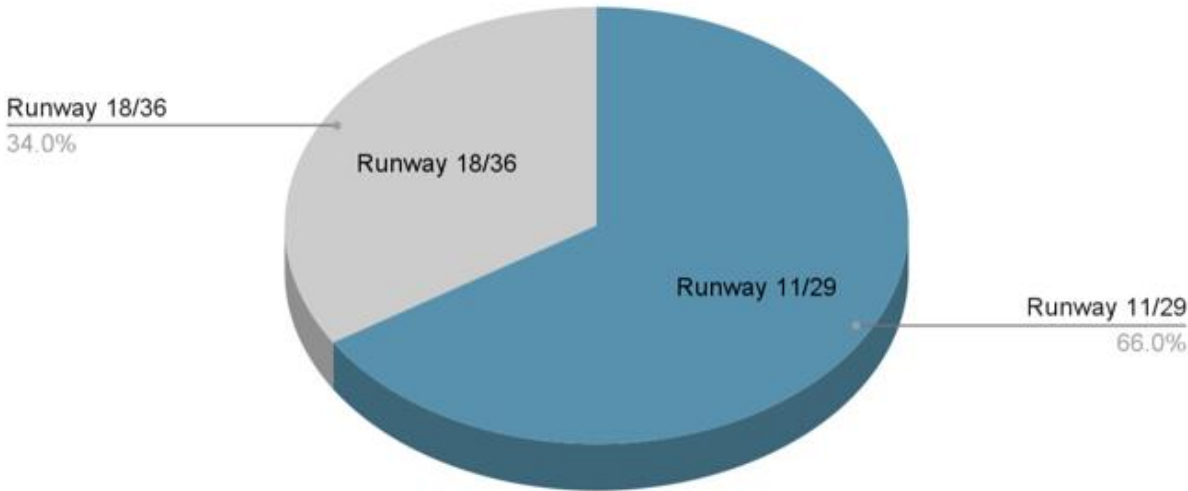
PWM Runway Operations													
2022	January	February	March	April	May	June	July	August	September	October	November	December	Total
11A	3	18	10	14	0	9	7	36					97
11D	4	8	7	7	0	16	0	13					55
18A	35	19	26	22	73	43	29	23					270
18D	2	3	1	11	45	35	11	10					118
29A	25	31	36	16	0	22	49	31					210
29D	30	36	62	24	0	25	55	53					285
36A	10	5	26	31	14	21	5	2					114
36D	18	11	22	32	34	15	1	5					138
Total	127	131	190	157	166	186	157	173	0	0	0	0	1287
% Use of Primary Runway 2022	49%	71%	61%	39%	0%	39%	71%	77%					51%
% Use of Primary Runway 2021	48%	74%	56%	48%	51%	68%	100%	100%	82%	37%	58%	74%	66%

Red - Indicates Period of Construction on Primary Runway

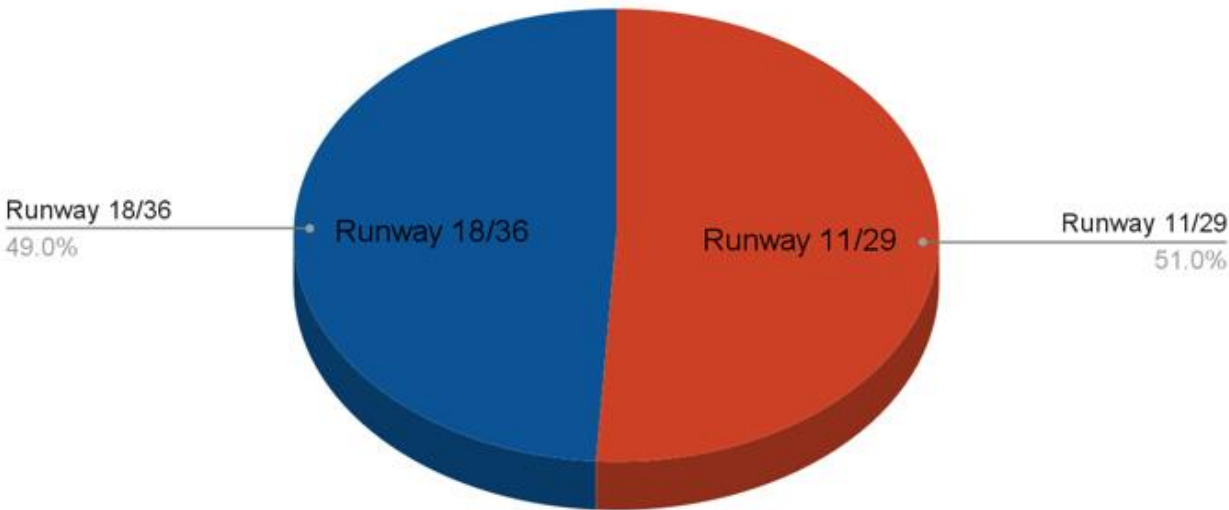


# 5. Noise Data: Runway Use January – August 2022

Total Runway Usage

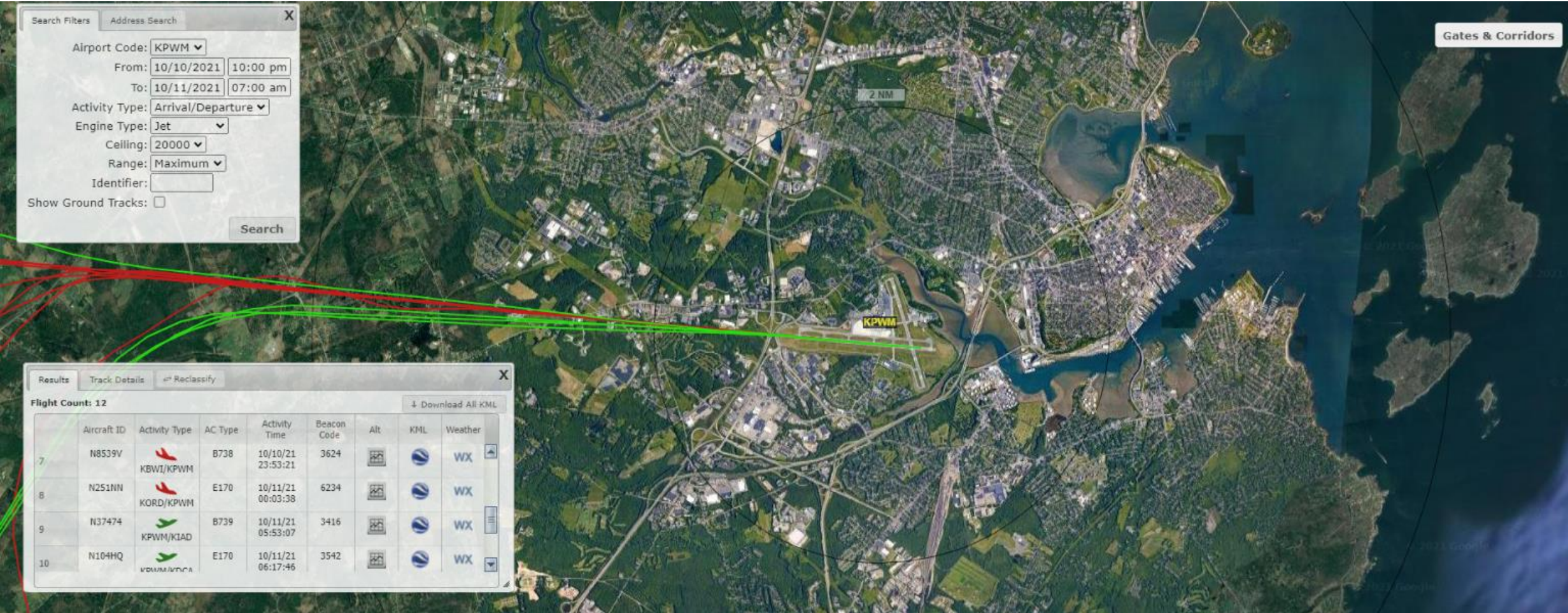


Wiggins Runway Usage



# 5. Noise Data: Runway Preference August 2022

PWM noise preference is to use Runway 11/29 and arrive from the west and depart to the west





# 5. Noise Data: Runway Preference August 2022 (Arrivals)

Runway Preference 2022 (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	295	Arrivals	0	Arrivals	193	Arrivals	19	Arrivals	12
% of 11 / 29 Arrivals	17%	% of 11 / 29 Arrivals	0%	% of 11 / 29 Arrivals	11%	% of 11 / 29 Arrivals	1%	% of 11 / 29 Arrivals	1%

From West		From East		Total Arrivals	
Arrivals	1087	Arrivals	616	Arrivals	1703
% of 11 / 29 Arrivals	64%	% of 11 / 29 Arrivals	36%	% of 11 / 29 Arrivals	100%

Runway Preference 2022 (Noise Sensitive Hours 10pm-7am)

Arrivals Over South Portland		Arrivals Over Portland / West End		Arrivals over Peaks Island		Arrivals Over Little Diamond		Arrivals Over Falmouth	
Arrivals	64	Arrivals	0	Arrivals	1	Arrivals	0	Arrivals	2
% of 11 / 29 Arrivals	36%	% of 11 / 29 Arrivals	0%	% of 11 / 29 Arrivals	1%	% of 11 / 29 Arrivals	0%	% of 11 / 29 Arrivals	1%

From West		From East		Total	
Arrivals	107	Arrivals	71	Arrivals	178
% of 11 / 29 Arrivals	60%	% of 11 / 29 Arrivals	40%	% of 11 / 29 Arrivals	100%

Data Represents Jet Aircraft Only

# 5. Noise Data: Runway Preference August 2022 (Departures)

Runway Preference 2022 (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	177	Departures	13	Departures	266	Departures	228	Departures	397
% of 11 / 29 Departures	10%	% of 11 / 29 Departures	0.76%	% of 11 / 29 Departures	15%	% of 11 / 29 Departures	13%	% of 11 / 29 Departures	23%

To West		To East		Total	
Departures	700	Departures	1019	Departures	1719
% of 11 / 29 Departures	41%	% of 11 / 29 Departures	59%	% of 11 / 29 Departures	100%

Runway Preference 2022 (Noise Sensitive Hours 10pm-7am)

Departures Over South Portland		Departures Over Portland / West End		Departures Over Peaks Island		Departures Over Little Diamond		Departures Over Falmouth	
Departures	7	Departures	0	Departures	23	Departures	21	Departures	12
% of 11 / 29 Departures	3%	% of 11 / 29 Departures	0%	% of 11 / 29 Departures	10%	% of 11 / 29 Departures	9%	% of 11 / 29 Arrivals	5%

To West		To East		Total	
Departures	180	Departures	42	Departures	222
% of 11 / 29 Departures	81%	% of 11 / 29 Departures	19%	% of 11 / 29 Departures	100%

Data Represents Jet Aircraft Only

# 5. Noise Data: Harbor Visual Approach

Harbor Visual Approach Compliance								
August 8th - 14th	8/8	8/9	8/10	8/11	8/12	8/13	8/14	Total
Number of Approaches of Eligible Aircraft	18	17	-	-	37	9	18	99
Number of Successful HVA	11	6	-	-	33	5	14	69
Percentage of Successful HVA	61%	35%	-	-	89%	56%	78%	70%

8/10 & 8/11 experienced ceiling

under 3,000'  
Data Represents Jet Aircraft Only  
HVA is only available during daytime hours



# 5. 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								
August 8th - 14th	8/8	8/9	8/10	8/11	8/12	8/13	8/14	Weekly Total
RWY 11 Arrivals	5	5	5	4	0	7	0	26
RWY 29 Departures	7	7	6	7	7	7	7	48
Total RWY Operations	14	12	12	13	12	14	11	88
% of Arrivals / Departures to and from west	86%	100%	92%	85%	58%	100%	64%	83%

Data Represents Jet Aircraft Only

## 5. Noise Data: RWY 11 Departures August 2022 (Early North / South)

Departures Over West End (Early North)		Departures over South Portland (Early South)	
Departures	13	Departures	46
% of 11 Departures	2%	% of 11 Departures	7%

To West		To East		Total	
Departures	700	Departures	1019	Arrivals	1719
% of 11 / 29 Departures	41%	% of 11 / 29 Departures	59%	% of 11 / 29 Departures	100%

**Data Represents Jet Aircraft Only**

## 6. New Business Item A: The NAC will consider adopting recommendations approved by the NAC Subcommittee, established by the NAC at its April 7, 2022 meeting.

Proposal as Adopted (3-1 vote) by NAC Subcommittee on August 11, 2022

- 1. Members of the Special Sub-Committee agree that the Jetport should hire a Subject Matter Expert to work at round table discussions that will include NAC members, engaged residents from affected communities, and PWM staff.*
- 2. As much as possible PBN/RNP Departure and Arrival flightpaths to and from the East should be over water. This should include as many improvements to the HVA as possible so that as many aircraft/airlines can utilize it.*
- 3. Finally, the Sub-Committee requests that the airport assist in the development of new analysis tools (possibly using the Excel spreadsheet approach presented by South Portland resident Julie Shane) to document deviations from prescribed flightpaths. We believe this process has begun.*



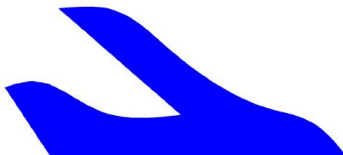
# 6. New Business Item B: If the NAC approves the recommendation to hire an SME, then the NAC will be asked to approve the attached scope of work provided by Vianair.

PWM Work Plan  
08/01/2022  
Portland Jetport

## Task Objectives

DRAFT

- Engage directly with impacted communities to ensure an understanding of the primary concerns and impacts associated with aircraft operations and to work collaboratively to identify solutions.
- Identify strategies to reduce aircraft noise impacts including noise program measures as well as modifications to arrival and departure procedures.
- Review existing approach and departure procedures to identify opportunities to reduce community noise impacts.
- Work collaboratively with industry stakeholders (Airport, airlines, ATC) to ensure the viability of operational recommendations.



## 6. New Business Item B: If the NAC approves the recommendation to hire an SME, then the NAC will be asked to approve the attached scope of work provided by Vianair.

### Community Engagement

- Community-focused approach from start to finish
- Consensus-based design based on community input and “fairness”.
- A **design philosophy (priorities)** will be established with community input to serve as the basis for procedure design/modifications.
  - The design philosophy will identify the community “priorities” for addressing aircraft noise issues.
  - Priorities should be hierarchical – In other words, if you cannot accomplish #1, then do #2, and so on.
  - These priorities will be used as the “measure of success” for the project and any changes made to flight procedures must map directly back to an agreed upon priority.

### Industry Engagement

- Review notional designs for arrivals/departures
- Determine Flight procedure development schedule
- Preliminary Noise evaluation of proposed procedures
- Develop Plans for public engagement
- Opportunities for feedback and to provide alternative designs if necessary (Address community concerns)
- Procedure revisions, modifications, and new designs will be reviewed with Airport, airlines, and air traffic control prior finalizing proposal and submission.

## 6. New Business Item B: If the NAC approves the recommendation to hire an SME, then the NAC will be asked to approve the attached scope of work provided by Vianair.

### Summarized Work Plan

- Project Kick-Off meeting with Airport
  - Review scope, modify if necessary.
  - Discussion of Community Working Group (CWG) – Community Members
  - Discussion of Technical Advisory Group (TAG) – Industry Members
- CWG Meetings (Likely 1-3)
  - Identification of primary community issues and impacts
  - Establish design philosophy
  - Review existing conditions, airspace, procedures
  - Participative procedure design and review
  - Finalize recommended strategies and procedures
- TAG Meetings (TBD)
  - Discussion of community issues and impacts
  - Review/input of CWG recommendations
  - Support for procedure design or modification to address community issues
- Submission to FAA for Approval/Publication\*
- Flight Procedure Development/Publication by Vianair if Necessary

*\*Note- FAA may not prioritize these procedures high enough for publication due to the budgetary process. Timely publication may require a Non-FAA Service Provider such as Vianair to ensure flight procedures are published in a reasonable amount of time.*



## 7. 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.

## 8. Next Meeting:

Committee will consider setting the next meeting date.

## 9. Adjournment





***Maine's  
Home  
Airport.***