

Barrow Air Flight Service Survey

1. Barrow Airport Master Plan Update -- Flight Service Survey

The State of Alaska Department of Transportation & Public Facilities (ADOT&PF) is updating the master plan for the Barrow Airport, a primary, commercial airport that serves as the main hub for the North Slope Borough, Barrow, and surrounding communities. ADOT&PF has contracted with PDC Inc. Engineers to update the master plan.

The master plan update will identify and address the current and future needs of the facility. To prepare the update the project team will assess safety, operational efficiency, and current and forecasted development, land use needs and leasing issues, transportation access, economic development, and local government concerns and goals. Updating the plan is expected to occur between January 2013 and December 2013.

Your responses, comments and suggestions will be used by the master plan update project team for project purposes only. To follow the project, check the project web site at <http://dot.alaska.gov/nreg/barrowmp/>

Contact Information

We want to keep you informed about the project. Providing your contact information will allow us to contact you for input throughout the Barrow Airport Master Plan Update.

*** 1. Please provide the following contact information. Your name and telephone number are required.**

Pilot's Name: (answer required)	<input type="text"/>
Company:	<input type="text"/>
Address:	<input type="text"/>
Address 2:	<input type="text"/>
City/Town:	<input type="text"/>
State:	<input type="text"/>
ZIP/Postal Code:	<input type="text"/>
Email Address:	<input type="text"/>
Phone Number: (answer required)	<input type="text"/>

2. Aircraft Operations

Please provide information on your summer/winter aircraft operations.

1. How many operations, by aircraft type, do you or your company perform at Barrow Airport? For paper survey, make additional copies to add more aircraft. For online survey, follow on screen directions.

Aircraft make and model	<input type="text"/>
Runway length required	<input type="text"/>
Weekly operations, summer	<input type="text"/>
Weekly operations, winter	<input type="text"/>

Barrow Air Flight Service Survey

2. Do you have additional aircraft to add?

- Yes
 No

3. Future Plans

1. Do you expect your operations to change? If so, please indicate in what way. For example, increase, decrease, more cargo, more passengers, etc.

2. What are your reasons for flying to Barrow Airport?

4. Scheduled Passenger Service Characteristics

1. Please explain the characteristics of your scheduled passenger service.

- a. Annual number of scheduled passengers
- b. Average number of scheduled passengers per day for your peak month
- c. Number of scheduled passengers in peak hour
- d. Time of day for peak passenger enplanements
- e. Time of day for peak passenger deplanements

2. List your peak month by year.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Peak month in 2010	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Peak month in 2011	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Peak month in 2012	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

3. What was the average number of scheduled passengers during your peak month listed in the previous question?

- 2010
- 2011
- 2012

Barrow Air Flight Service Survey

5. Unscheduled Passenger Service Characteristics

1. Please explain the characteristics of your unscheduled passenger service.

- a. Annual number of unscheduled passengers
- b. Average number of unscheduled passengers per day for your peak month
- c. Number of unscheduled passengers in peak hour
- d. Time of day for peak unscheduled passenger enplanements
- e. Time of day for peak unscheduled passenger deplanements

2. List your peak month of unscheduled passengers by year.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Peak month in 2010	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Peak month in 2011	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Peak month in 2012	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

3. What was the average number of unscheduled passengers during your peak month listed in the previous question?

- 2010
- 2011
- 2012

6. Cargo (Mail and Other Shipments)

Help us understand the volume and type of cargo you move to and from Barrow Airport.

1. If you fly US Postal Service (USPS) mail to Barrow, please answer the questions below.

- Average pounds of USPS mail (all) per month inbound
- Average pound of USPS mail (all) per month outbound

2. What percentage of mail is sent via bypass? (Please enter percentage, actual or approximate if not known)

Barrow Air Flight Service Survey

3. If you fly cargo to Barrow Airport, please answer the questions below.

Annual pounds of cargo in 2010

Annual pounds of cargo in 2011

Annual pounds of cargo in 2012

4. List your peak month of cargo by year.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Peak month in 2010	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Peak month in 2011	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Peak month in 2012	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. Peak cargo characteristics

Average cargo (pounds) for the average day in the peak month (2012)

Time of day for peak cargo day (2012)

6. What type and quantity of fuel to you ship monthly?

Type of fuel

Pounds shipped per month

7. Describe your other trips to and from Barrow Airport.

a. Number of monthly trips for travel/recreation/private pilots Part 91 General Aviation?

b. Number of Medevac operations per year?

c. Other (please list type and number per year)

8. What Instrument Flight Rule (IFR) capabilities do your aircraft/pilots have, if any?

9. What percentage of Instrument Landing System (ILS) operations and non-precision instrument (NPI) operations do you estimate per month?

Instrument Land System (ILS)

Non-Precision Instrument (NPI)

Barrow Air Flight Service Survey

10. What is the highest month of ILS operations and NPI operations?

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ILS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NPI	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

11. Do you feel your operations are hindered by limitations of the airport (approach lights, parking, maintenance, air traffic control, procedures)? If so, why?

- Yes
- No

If yes, why?

12. What aircraft would you, or your company, fly to Barrow Airport if you were not limited by airport facilities? Please list aircraft.

7. Runway Characteristics

The Barrow Airport primary runway 7-25 is 7,100 feet by 150 feet with an asphalt surface.

1. Do you experience delays in landing or takeoff?

- Yes
- No

If yes, why?

2. Is the runway length adequate?

- Yes
- No

If the runway is too short, what length should it be?

Barrow Air Flight Service Survey

3. Why should the runway be longer? Check all that apply.

- Present or future aircraft type
- Safety concerns
- Weather

Other (please specify)

4. Which end of the runway is your normal approach?

- North
- South

5. What factor is your approach most dependent upon? Please check all that apply.

- Wind
- Obstructions
- Apron location

Other (please specify)

6. What seasonal problems do you encounter at the Barrow airport? For example, soft surface, snow drifting, water ponding, icing, frost heaves, etc.

7. Do you see a need for a crosswind runway at Barrow Airport?

- Yes
- No

Why or why not?

Barrow Air Flight Service Survey

8. Do you see a need for a parallel runway at Barrow Airport?

- Yes
- No

Why or why not?

8. Facilities Requirements

1. Is the apron adequate?

- Yes
- No

If not, why and what apron improvements would you recommend?

2. Do you park any aircraft at Barrow Airport?

- Yes
- No

3. If yes, please provide aircraft type and the number of days per year by season you park an aircraft at Barrow Airport.

Summer Parking (aircraft type, days/year)

Winter Parking (aircraft type, days/year)

4. If you park an aircraft at Barrow Airport, is it parked in a hangar?

- Yes
- No

Explain if hangar space is adequate.

5. If yes, please provide type of parking position (check all that apply).

- Overnight
- Other
- Parking method (power out, gain-in drive-through, power back, or push back)

Barrow Air Flight Service Survey

6. Are the aircraft parking and tie down adequate at Barrow Airport?

- Yes
- No

Why or why not?

7. Are the airport access roads adequate at Barrow Airport?

- Yes
- No

Why or why not?

8. Are the fueling facilities and utilities adequate at Barrow Airport?

- Yes
- No

Why or why not?

9. Are the navigational aids (NAVAIDS) adequate at Barrow Airport?

- Yes
- No

Why or why not?

10. Do you or your company currently lease a lot at Barrow Airport?

- Yes
- No

11. Would you or your company consider leasing a lot to support your operations?

- Yes
- No

12. Are the support facilities adequate?

- Yes
- No

Barrow Air Flight Service Survey

13. What are your long term(11-20 years) facilities requirements in square footage (SF)?

Needed square footage (SF)
for passenger processing

Needed square footage (SF)
for cargo processing

Needed square footage (SF)
for administration

Needed square footage (SF)
for Other (please describe)

Total square footage (SF)
(long term):

14. What are your short term (0-10 years) facilities requirements in square footage (SF)?

Needed square footage (SF)
for passenger processing

Needed square footage (SF)
for cargo processing

Needed square footage (SF)
for administration

Needed square footage (SF)
for Other (please describe)

Total square footage (SF)
(long term):

15. What are your short term (within 5 years) facilities requirements for hangars and maintenance areas in square footage (SF)?

Area (square footage):

Height (feet):

Number of aircraft:

16. What are your long-term (20 years) facilities requirements for hangars and maintenance areas in square footage (SF)?

Area (square footage):

Height (feet):

Number of aircraft:

17. How much landside area (in square feet) does your company need in the short term?

Automobile parking:

Outdoor area type:

Outdoor area size:

18. How much landside area (in square feet) does your company need in the long term?

Automobile parking:

Outdoor area type:

Outdoor area size:

Barrow Air Flight Service Survey

19. Please describe your passenger/baggage processing.

20. Is security screening required for passenger/baggage processing?

- Yes
- No

21. Do you have a baggage claim device?

- Yes
- No

What changes are anticipated?

9. Concerns

1. What improvements would you like to see at Barrow Airport? Rank in order from most important (1) to least important (5).

<input type="text"/>	Runway condition
<input type="text"/>	Pavement condition
<input type="text"/>	Snow removal
<input type="text"/>	Snow removal storage
<input type="text"/>	Vandalism and local security

Barrow Air Flight Service Survey

2. What improvements would you like to see at Barrow Airport? Rank in order from most important (1) to least important (7).

<input type="text"/>	Lease lot demand
<input type="text"/>	Safety areas expansion
<input type="text"/>	Passenger terminal facilities
<input type="text"/>	Cargo facilities
<input type="text"/>	General aviation/ski airstrip at Barrow
<input type="text"/>	Aircraft fueling facilities
<input type="text"/>	Vandalism and local security

3. What improvements would you like to see at Barrow Airport? Rank in order from most important (1) to least important (5).

<input type="text"/>	National security requirements
<input type="text"/>	Itinerant aircraft parking
<input type="text"/>	Passenger terminal facilities
<input type="text"/>	Automobile parking at terminal
<input type="text"/>	Automobile parking in other areas

10. Thank You!

Thanks for taking the time to provide all the data requested in this survey. We appreciate your contribution to our planning efforts.

If you complete this survey on paper, please mail the completed survey to:

Patrick Cotter
PDC Inc. Engineers
1028 Aurora Drive
Fairbanks, AK 99709

You may check on the progress of our project at the following web site. <http://dot.alaska.gov/nreg/barrowmp/>