



2015



# Individual Airport Summary Report Portsmouth International Airport at Pease



# AVIATION FACILITIES

Portsmouth International Airport at Pease (PSM) is a publicly-owned, public-use commercial service airport in the Seacoast region of New Hampshire (NH). It is classified as a Primary airport within the New Hampshire State Airport System (NHSASP). Located one mile west from Portsmouth, the airport occupies approximately 900 acres. There is one runway at PSM, Runway 16-34, that measures 11,321' in length. The runway is served by a full-parallel taxiway and offers precision and non-precision instrument approaches to both ends.

The airport has a full-service FBO and FAA Part 145 Repair Station, which sells AvGas and Jet A fuel and provides flight training, aircraft maintenance, avionics sales and installation, and hangar and tie-down storage. Overall, the airport offers 30 T-hangars, 8 conventional hangars, and 28 tie-downs for aircraft storage. A significant amount of aircraft operations at PSM are generated by refueling aircraft from the Air National Guard, cargo freighters clearing customs, and a fractional ownership/charter company that serves the East Coast.



## AVIATION SERVICES

- |                      |  |
|----------------------|--|
| U.S. Customs         | Avionics Sales                         |
| Flight Instruction   | Avionics Maintenance                   |
| Charter Services     | AvGas                                  |
| Aircraft Storage     | Jet A                                  |
| Cargo Tech Stops     | Scenic Flights                         |
| Rental Cars          | Collegiate Aviation Education Programs |
| Aircraft Maintenance |  |

# AVIATION FORECAST

The statewide forecasting effort assessed future airport activity according to the projected number of based aircraft and annual operations expected to occur at the airport. These two factors can be helpful in determining the type, size, and timing of necessary improvements. The bar graph on the right highlights the aviation forecasts for PSM.

Overall, based aircraft are anticipated to increase from 121 to 134 over the 20-year planning period, with annual operations expected to increase slightly over the same time frame.

## AVIATION FORECAST



\* Military operations were excluded.

# AIRPORT ROLE & RECOMMENDATIONS



Portsmouth International Airport at Pease is one of three Primary airports in NH that provide the highest level of air access for aviation users and the state's residents. Key attributes include scheduled commercial passenger/cargo services and the ability to accommodate a wide range of general aviation users.

The location of Portsmouth International Airport at Pease allows Low Cost Carriers to offer service within the state and compete against the legacy carriers. Air service has grown at double-digit levels and new destinations have been added to serve the passenger demand. In 2018, the airport will be home to the first east coast squadron of the new KC-46A Pegasus air refueling aircraft, which will replace the Air National Guard 157th Refueling Wing's aging fleet of KC-135R aircraft.

The NHSASP has categorized the NH system of airports by the role each plays. Below is a summary list of facilities and services typically found in this airport role and not present at PSM in priority order. This list provides a basis of support for future projects but does not reflect deficiencies at the airport.

## NHSASP-Supported Facility and Service Improvements

<i>Primary Priority</i>	<i>Secondary Priority</i>
<ul style="list-style-type: none"> <li>Meets Standards</li> </ul>	<ul style="list-style-type: none"> <li>Category-III Instrument Landing System Approach to One Runway</li> </ul>

In addition to these airport improvement projects, there are additional project costs that may be incurred over the next 20 years, funding for which is not guaranteed by NHDOT or FAA. Such additional project costs are related to both capital and non-capital projects identified in airport master plans and/or airport capital improvement plans (ACIP). When combined, PSM ensures the highest level of operational safety and efficient access to serve the needs of aviation users and the state of NH.

Additional projects may include:

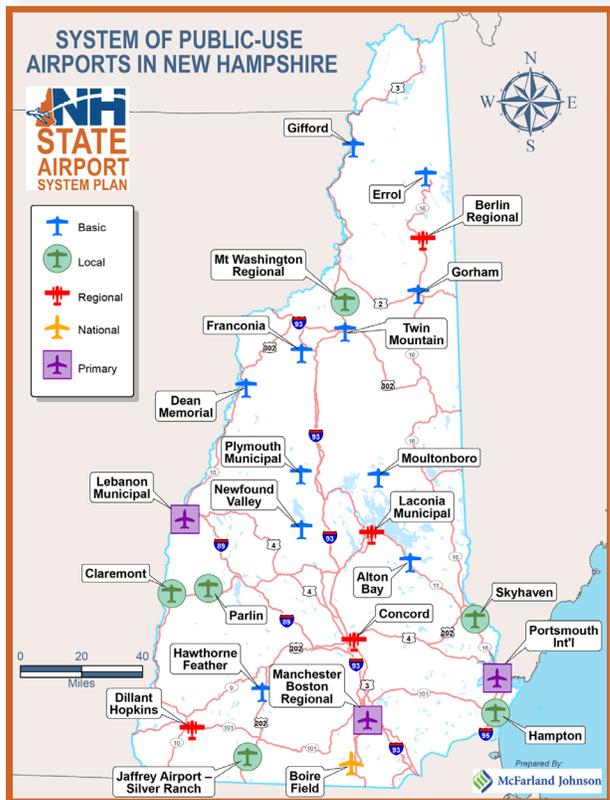
- Additional Airside & Landside Infrastructure
- Pavement Maintenance
- Planning/Environmental/Specialty Studies

PSM is one of 25 airport facilities critical to the aviation component of NH's public transportation infrastructure. Even more importantly, the system contributes to the overall economic development opportunities of the local municipalities and regions each airport serves. Implementing the capital development needs of PSM and the other system airports is crucial to maintaining NH's overall success today and into the future.

# 7&18

**Due to its location and runway length, PSM was designated as: one of 7 Launch Abort Sites, & one of 18 Emergency Landing Sites, for the NASA Space Shuttle.**

# NEW HAMPSHIRE AIRPORT STATE SYSTEM PLAN



Comprised of 3 commercial service and 22 public-use general aviation airports, the study consists of 25 facilities that serve the air transportation needs of over 1.3 million NH residents, business users, leisure travelers, and military aviation. The system is an important contributor to state and local economies, supporting thousands of jobs and generating millions of dollars in state tax revenue.

The NHSASP provides the guide to maintain and develop the system of airports in NH. Maintaining and improving airport infrastructure and facilities will allow NH to continue to meet future aviation demand and support its communities. However, as market demands and socioeconomic conditions vary for every airport, facility and service needs will also differ. The key components of the system plan and airport specific improvements are highlighted in this brochure.

## AVIATION'S ECONOMIC BENEFIT TO NEW HAMPSHIRE

The total economic contribution of aviation in NH is measured by both the state airport system (NHSAS) and aviation-related manufacturing. These components contributed an estimated 12,954 jobs and \$2.16 billion in revenues for NH businesses, and approximately \$32.19 million in state tax revenue.

In addition to economic benefits, the NHSAS provides numerous critical services and qualitative impacts that enhance the quality of life for those who live and work in NH, including medical transportation and evacuation in rural areas, search and

	Overview Economic Contribution to NH		
	Total Employment	Total Output	Total Tax Revenue
NH State Airports	9,283	\$1.16 billion	\$27.96 million
Aviation Related	3,671	\$1 billion	\$4.23 million
<b>TOTAL IMPACT</b>	<b>12,954</b>	<b>\$2.16 billion</b>	<b>\$32.19 million</b>

and rescue operations, wildlife management, law enforcement flights, military exercises, and flight training.

## ECONOMIC BENEFIT OF PSM AIRPORT:

The system plan quantifies the total economic impact of each airport in NH. Using a comprehensive survey process, both the direct economic benefits related to on-airport business and tenants, as well as the indirect benefits associated with off-airport visitor-related expenditures, were determined for each system airport. The multiplier effect of these benefits was then computed to gauge the total airport-related impacts. Thus, the total economic impact of PSM is the sum of all direct, indirect, and multiplier impacts. This economic analysis demonstrates that airports and aviation-related businesses support thousands of jobs and pump billions of dollars into the state economy.

### Economic Contribution of this Airport

	Total Employment (Jobs)	Total Payroll	Total Output	Total Tax Revenue
<b>TOTAL IMPACT</b>	<b>1,285</b>	<b>\$64.82 million</b>	<b>\$197.69 million</b>	<b>\$1.25 million</b>

For more information visit:

<http://www.nh.gov/dot/org/aerorailtransit/aeronautics/documents.htm>