



Aviation Planning in Maine and Our Region

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Overview

- The National Aviation System
- Maine's Economic Dependence on Air Transportation
- The Maine Aviation Systems Plan
- Airport Roles
- The Project Planning Process for Aviation



The National Aviation System

The Economic Impact of Civil Aviation on the U.S. Economy (December 2009)

- \$1.3 Trillion in Economic Activity
- \$396 Billion in Earnings
- \$12.0 Million in Jobs
- 5.6% of Gross Domestic Product

This includes commercial service airports, general aviation airports, civil aircraft manufacturing and construction, trade and real estate.

Economic Impacts of Airports in Maine

- Commercial service airports enplane over 1.0 million passengers
- General aviation brings over 130,000 visitors to Maine each year
- Supports more than 20,900 jobs
- Total of \$487.6 million in payroll
- Generate \$1.5 billion in economic activity
- Total economic impact comprises 3.3% of Maine's estimated Gross State Product

Economic Impacts of Airports in Maine (continued)

- Knox County Regional Airport
 - Supports 362 jobs
 - Total payroll of \$9.2 million
 - \$25.6 million is generated in economic activity
- Belfast Municipal Airport
 - Supports 62 jobs
 - Total payroll of \$1.6 million
 - \$3.9 million is generated in economic activity

Maine Aviation Systems Plan

7 performance measures were identified and adopted for use in the Maine Aviation Systems Plan Update:

- Quality of Life
- Capacity
- Aviation Outreach
- Safety/Standards
- Economic Support
- Flexibility
- Accessibility

Airport Roles

36 publicly-owned airports are assigned to 1 of 4 roles based on the following criteria:

- Accessibility
- Support of Tourism
- Economic Contribution
- Current Demand
- Historic Investment
- Geographic Coverage

LEVEL I

Aircraft Design Group	B or C category aircraft
Primary Runway	At least 5,000 feet long x 100 feet wide
Taxiway	Full parallel
Approach	Precision or precision capabilities
Lighting	High intensity runway, medium intensity taxiway
Visual Aids	Rotating beacon, segmented circle, lighted wind cone, R/W end identifier lights, PAPI
Weather Reporting	On-site weather reporting system (AWOS/ASOS)
Based Aircraft Parking	75% in covered storage, 25% apron parking
Transient Aircraft Parking	25% of overnight aircraft in covered storage, 50% accommodated on apron
GA Auto Parking	Equal to number of based aircraft
Fuel	100LL and Jet A
Terminal	2,000 sq. ft. terminal with phone, restrooms, pilot lounge, flight planning
Aircraft Maintenance	Aircraft repair, avionics
FBO	Full service
Food	Full service restaurant
Ground Transportation	On-site rental car
Security	Full perimeter fencing, controlled access, night guard
Airport Maintenance	Designated building, snow removal equipment, de-icing capabilities

LEVEL III

Aircraft Design Group	B or A category aircraft
Primary Runway	2,500 - 3,500 feet long x 60 feet wide
Taxiway	Turnaround
Approach	Visual
Lighting	Low intensity runway, taxiway reflectors
Visual Aids	Segmented circle, lighted wind cone
Based Aircraft Parking	50% in covered storage, 50% apron parking
Transient Aircraft Parking	25% accommodated on apron
GA Auto Parking	Equal to number of 50% based aircraft
Fuel	100LL
Terminal	500 sq. ft. terminal with phone, restrooms
FBO	Limited service
Food	Vending
Security	Full perimeter fencing

Project Planning Process

Local Planning Goals and Objectives

Master Plan Update

Maine Aviation Systems Plan

- Current Airport Layout Plan
- Project Request
- Project Priority
- Local Share

**FEDERAL AVIATION
ADMINISTRATION**

- Current Airport Layout Plan

**MAINE DEPARTMENT OF
TRANSPORTATION**

National Integrated
Airport Systems Plan

FAA & MaineDOT
Capital Improvement
Plan

Biennial Capital Work
Plan

FAA FUNDING

- Entitlement
- Apportionment
- Discretionary

STATE FUNDING

- State Match
- State/Local

Upcoming Regional Airport Projects

- Knox County Regional Airport
 - 2011 Large Plow Truck
 - 2011 Crack Sealing
 - 2011 Design & Permitting for Runway 13-31 Rehabilitation
 - 2011 Acquire Easements for Obstruction Removal
 - 2012 Master Plan Update
 - 2012 Obstruction Removal & Perimeter Fencing
 - 2013 Runway 13-31 Rehabilitation
 - 2014 Rehabilitate Terminal Aircraft Apron
 - 2015 Crack Sealing
 - 2016 Crack Sealing

Upcoming Regional Airport Projects (continued)

- Belfast Municipal Airport
 - 2011 Construct Aircraft Parking Apron – Phase 2
 - 2012 No Project
 - 2013 Expand Hangar Development Area/Taxilanes
 - 2014 Design & EA for Parallel Taxiway, Permitting
 - 2015 No Project
 - 2016 Construct Partial Parallel Taxiway

Questions??

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<http://www.maine.gov/mdot/aviation/docforms.htm>