



## **BOSTON-LOGAN INTERNATIONAL AIRPORT MONITORING REPORT ON SCHEDULED AND NON-SCHEDULED FLIGHT ACTIVITY**

**Peak Period Surcharge Regulation  
740 CMR 27:00: Massachusetts Port Authority**

**Report Number: 005**

**Monitoring Period: March 2008 – September 2008**

**Report Issue Date: May 1, 2008**



**Note:** This report reflects the Boston-Logan Airport flight activity monitoring under 740 CMR 27.03 Peak Period Surcharge Regulation on Aircraft Operations at Boston-Logan International Airport.

**Findings:** This report includes projected activity data for the Spring and Summer season, from March 2008 through September 2008. Current and projected near-term flight levels at Boston Logan are well below Logan's good weather (VFR) throughput of approximately 120 flights/hour. **As a result, average VFR delays are projected to be minimal and well below the 15 minutes threshold through September 2008.**

In the event demand conditions at the airport change significantly from the current projection, Massport will issue updates to this report.

#### **Attachments**

**Table 1:** Summary Overview of Peak Period Surcharge Program

**Table 2:** Summary Overview of Forecast Methodology

**Table 3:** Aircraft Operations at Logan Airport Projected through September 2008

**Table 4:** Projected Hourly Operations, Average Weekday of August 2008

**Table 5:** Forecast Logan Average Weekday Operations, March 2008 through September 2008

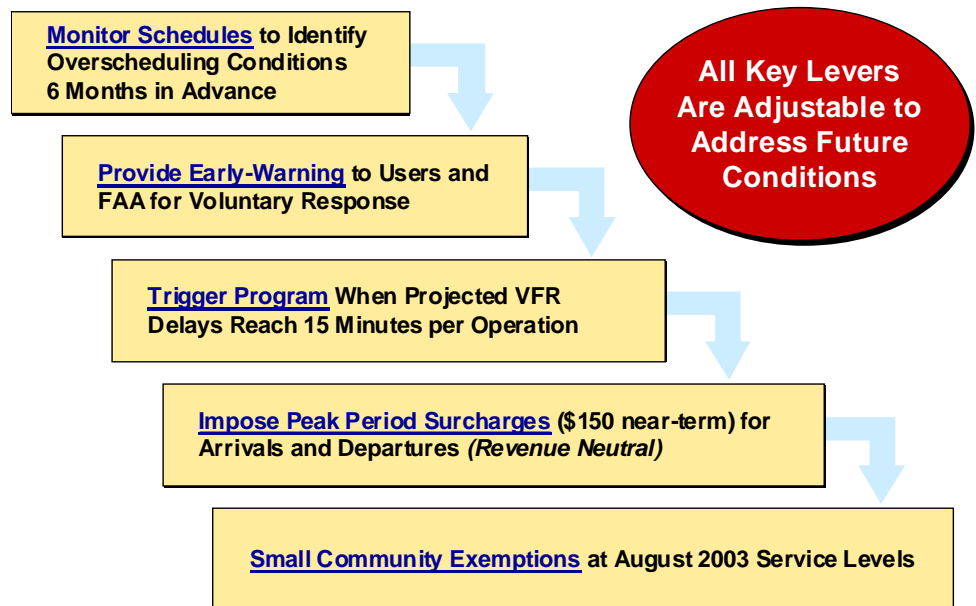
#### **Massport Contact:**

Mr. Flavio Leo  
Manager of Aviation Planning  
617-568-3528  
fleo@massport.com

---

**Table 1: Summary Overview of Peak Period Surcharge Program**

---



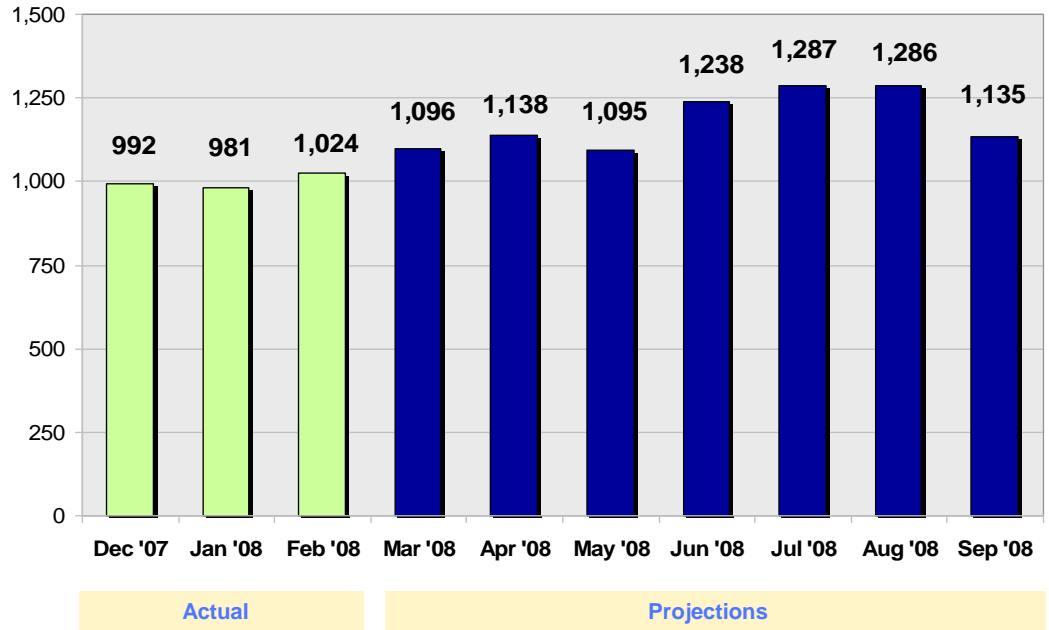
---

**Table 2: Summary Overview of Forecast Methodology**

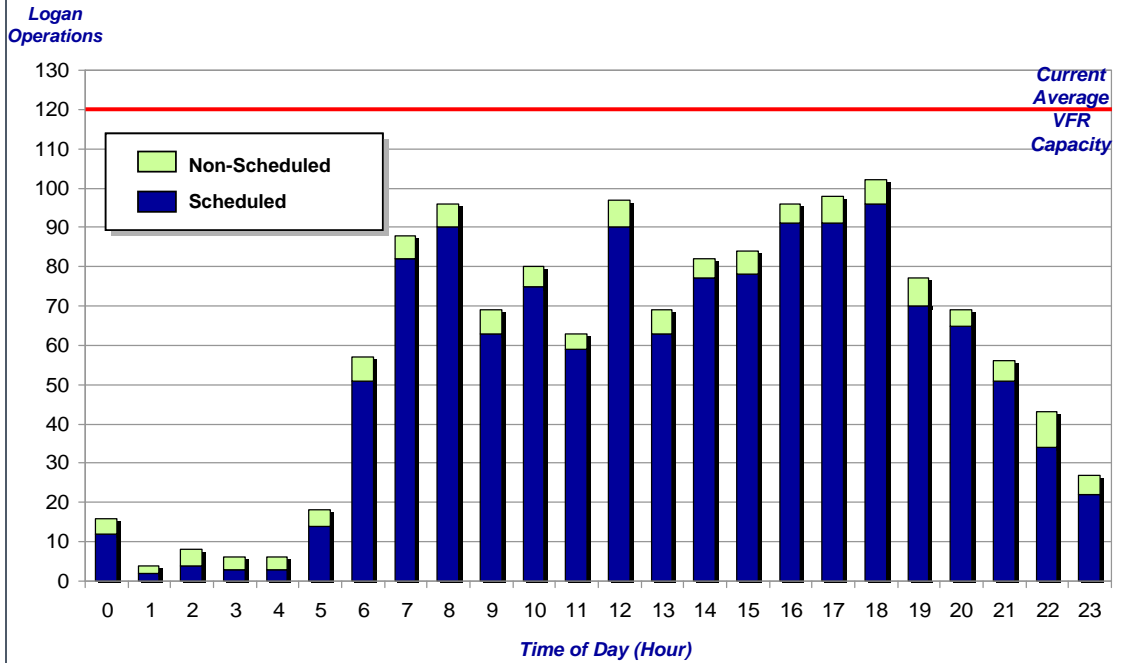
---

- Scheduled passenger airline flights represent more than 85 percent of total aircraft operations. Passenger airline activity for the Fall and Winter periods were projected based on published advance airline schedules
- Forecasts of monthly activity for other segments (GA, Cargo, Charter) are based on the past three months of actual flight volume and historic patterns of monthly seasonality
- Day-of-week and time of day distributions for non-scheduled segments are based on analysis of Logan radar data
- Projections for each segment were combined to produce the forecast pattern of hourly flight activity for an average weekday, Saturday, and Sunday for the seven month period from March 2008 through September 2008

**Table 3: Aircraft Operations at Logan Airport, Average Weekday Operations Projected Through September 2008**



**Table 4: Projected Hourly Operations, Average Weekday, August, 2008**



Note: Includes projected services by scheduled airlines plus non-scheduled activity including general aviation, charter, and cargo operations.

**Table 5: Forecast Logan Average Weekday Operations, Mar. 2008– Sep. 2008**

Forecast Daily Operations							
Hr Range	Mar '08	Apr '08	May '08	Jun '08	Jul '08	Aug '08	Sep '08
0	11	12	12	13	12	12	11
1	3	2	2	2	2	2	2
2	3	3	4	4	4	4	4
3	2	2	2	3	3	3	3
4	3	3	3	4	3	3	3
5	14	15	13	14	14	14	12
6	57	56	53	52	51	51	51
7	65	68	66	76	82	82	73
8	80	83	84	88	90	90	83
9	52	53	53	61	63	63	58
10	60	62	58	68	74	75	65
11	60	62	54	60	60	59	58
12	53	57	62	81	89	90	70
13	60	68	62	60	63	63	52
14	63	57	53	73	77	77	68
15	62	70	69	75	78	78	68
16	72	77	76	88	91	91	83
17	79	79	79	85	92	91	74
18	79	89	85	92	95	96	88
19	70	66	62	72	71	70	66
20	64	60	50	60	64	65	49
21	35	41	41	50	51	51	43
22	35	34	33	34	34	34	32
23	16	17	19	22	22	22	20
Total	1,096	1,138	1,095	1,238	1,287	1,286	1,135