



# NOISE OFFICE YEAR 2007 IN REVIEW

# Addressing Noise Complaints

- Tools utilized by the Noise office:
  - ◆ State-of-the art Flight Information Management System (FIMS)
  - ◆ FAA Air Traffic Control Tower (ATCT) communication recordings
  - ◆ Work directly with the airlines on deviations
  - ◆ Work directly with the FAA ATCT staff
  
- Noise Abatement posters for each Fixed Base Operator (FBO) displayed in each corporate pilot's flight planning room.
  
- Quarterly Community Noise Consortium (CNC) newsletters and meetings.
  
- Updated Noise Abatement web site, the new Community Impact Notification web page and sending of Alert Notification Emails.

# Accomplishments and Other Projects

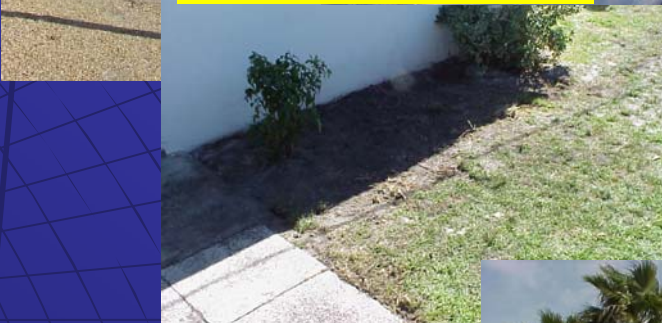
- Upgrade from TAMIS to Etamis:
  - Benefits: Easier Internet access to a secure web site
  - Cost: \$27,600 for upgrade and training
  
- Upgrade of Interactive Sound Information System software:
  - Benefits: Software delivers accurate noise information through “real” noise examples with the aid of high quality digital noise recordings, precise sound control, and graphic imagery.
  - Cost: \$350 – Compatible with Windows XP Professional
  
- Installation of electric meters at each Permanent Noise Monitoring Site (PNMS):
  - Benefits: Reduced annual electrical cost by \$1, 800.
  - Cost: Cost of installation \$2,456.
  
- Conducted several portable noise measurement tests, but most notably at Peter O. Knight Airport for the runway safety area compliance project.

# Accomplishments and Other Projects

- Received flight tracks and aircraft flight information directly from the FAA at no cost to the Authority.
  - Benefit: Annual cost savings of \$15,000
  - Cost: One time integration cost of \$25,000
- FAA file transfer protocol (FTP) is a new program that is available to external subscribers to receive filtered, screened and delayed National Airspace Systems data at no cost.
- The Authority is the second airport to receive such data through the FAA National Offload Program.
- T-Hangar development options at Plant City Airport to meet existing and future demand.

# Immediate Projects

- Lease negotiation and relocation of the permanent noise monitor from 5835 Mariner St. to 5833 Mariner St.
- Emergency repair of concrete foundation for the permanent noise monitor at Henry St.
- Installation of electric meters at each noise monitor to reduce energy costs.
- First Community Noise Consortium Meeting on March 6, 2007 with new meeting format and newsletter.
- Development of a Community Impact Notification web page.





# Runway Utilization To Avoid Noise Sensitive Communities

- Goal to achieve a 70% South Flow and a 30% North Flow, but runway utilization is always dependent on the direction of the prevailing winds.

## Year 2006

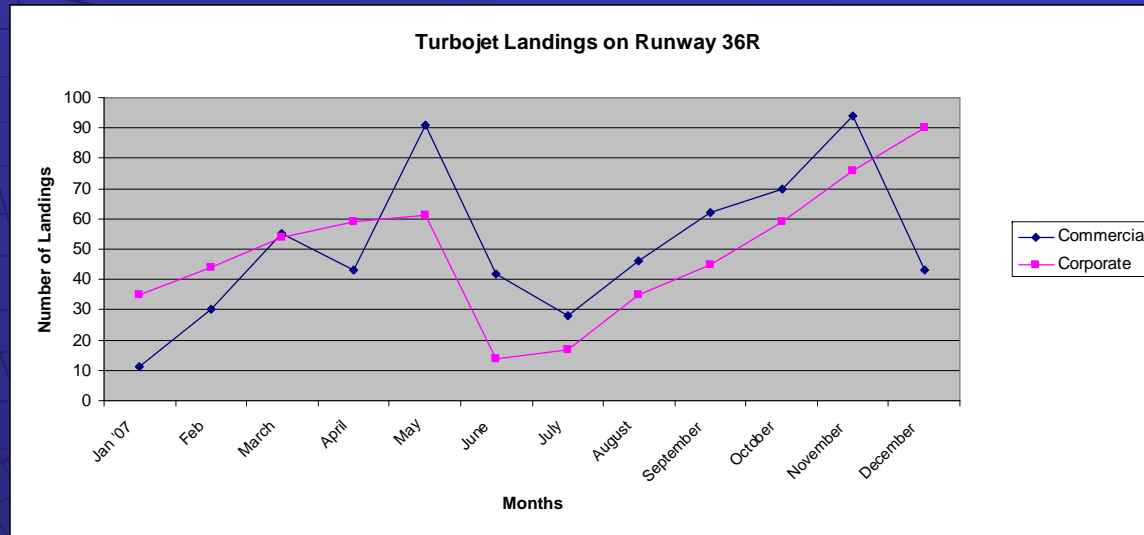
North Flow = 55%  
South Flow = 45%

## Year 2007

North Flow = 61%  
South Flow = 39%

- With the increase utilization of the north flow:
  - Worked with the FAA ATCT to ensure that turbojet pilots are assigned Runway 36L for arrivals
  - FAA ATCT personnel instructing turbojet pilots that “Runway 36R is noise sensitive”
  - Weekly ATCT meetings to discuss resident concerns, turbojet pilots compliance and new issues
  - Corporate and commercial airline non-compliance emails and letters
  - Meetings to inform and educate pilots of the informal runway use program
- FAA ATCT and pilots are allowed to deviate from the informal runway use program due to weather, emergencies, delays and operational constraints.

# Turbojet Landings on Runway 36R



→ Turbojet landings on Runway 36R:

Year 2006

Commercial = 1,894

Corporate = 738

Year 2007

Commercial = 615

Corporate = 589

→ Total of **177** nightly closures of Runway 18R-36L for the FDOT TAIP during 2007

→ Approximately 30% of the Year 2007 total turbojets (1,204) that landed on Runway 36R was between the hours of 11:00 p.m. - 6:00 a.m.

→ Increase number of landings on Runway 36R for the month of May due to weather.

# Noise Complaints

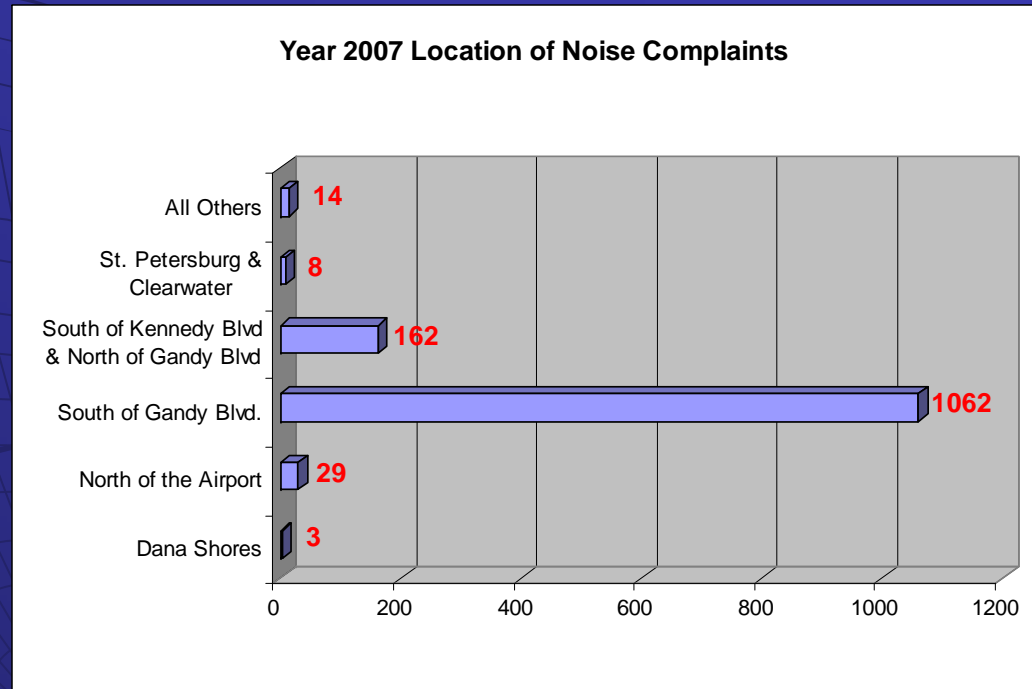
Nature of Disturbance	No. of Callers	No. of Complaints
18L Departure	2	3
36R Arrival	20	137
General Aviation	3	3
Helicopter	2	2
Loud	33	48
Low	17	20
Military	3	5
Off Course	1	1
Other	2	2
Run-ups	0	0
South Tampa Overflight/Early Turns	7	1,057
Unknown	0	0
<b>TOTAL - Year 2007</b>	<b>90</b>	<b>1,278</b>

## Annual Noise Complaints since the Implementation of the FIMS

Annual Noise Complaints		
Year	No. of Callers	No. of Complaints
2001	79	245
2002	40	250
2003	56	259
2004	39	241
2005	29	179
2006	93	256

- Record number of noise complaints since the implementation of the FIMS
- There were 18 repeat callers that contacted the airport twice or more.
  - Repeat callers accounted for 1,223 or 96% of the total complaints.
- One household accounted for a total of 1,060 or 83% of the total 1,278 complaints.

# Noise Complaints Continued



- Noise complaints from residential communities south of the airport totaled 1,224 or 96% of the total complaints.
- One household south of Gandy Blvd. accounted for 99% of the 1,062 noise complaints
- Less than 3% of the noise complaints received from households south of Gandy Blvd. were turbojet violations of the Informal Runway Use Program.