



Minutes Tempe Aviation Commission April 12, 2016

Minutes of the Tempe Aviation Commission meeting held on April 12, 2016, 6:30 p.m., at the Public Works Conference Room, Garden Level, City Hall Complex, 31 E. Fifth Street, Tempe, Arizona.

(MEMBERS) Present:

Lane Carraway (Chair)
Robert Dixon
Shannon Dutton
Jason Forcier
Mark Garrigan
Gordon Gauss (Vice Chair)
David Naugle
John Q. Nunes
Mike Sonenberg

Residents Present:

Darlene Justus, NTNA President
Deb Gain-Braley
John D. Rockhill
Barbara Sherman

City Staff Present:

David McNeil, *Environmental Services Manager*
Oddvar Tveit, *Environmental Quality Specialist*

Meeting convened at 6:31 p.m.

Lane Carraway called the meeting to order.

Agenda Item 1 – Public Appearances

Ms. Barbara Sherman presented a map and supporting documentation showing the North Tempe Neighborhood Association's suggestions for four new noise monitoring locations in North Tempe. She explained that most of the existing sites in north Tempe are not ideally located due to changes in both aircraft and ambient noise levels since monitors were originally installed.

Gordon Gauss joined the meeting at 6:41 p.m.

Agenda Item 2 – Consideration of Meeting Minutes (March 8, 2016)

Mr. Carraway asked for a motion to approve the meeting minutes as presented.

Motion: Mark Garrigan moved to approve the draft minutes. Shannon Dutton seconded the motion.

Action: The minutes were approved by a unanimous vote.

Agenda Item 3 – Updates from staff

1. Legislative Update: Oddvar Tveit presented an overview of legislative initiatives intended to:
 - Provide opportunity for U.S. airports and their surrounding communities to be informed, heard, or represented in the FAA's NextGen flight procedure implementation process.
 - Expedite the safe and responsible use of smaller Unmanned Aerial Vehicles/ drones.

2. Staff Recruitment: David McNeil provided an update on the City's recruitment for a Management Assistant who would assist Environmental Quality Specialist Oddvar Tveit in providing support to the Tempe Aviation Commission. Initial interviews of candidates were scheduled for April 13, 2016.

Agenda Item 4 – Communities as formal stakeholders in FAA's airspace projects

John Q. Nunes presented a drafted letter to the FAA requesting inclusion for the City of Tempe and other cities surrounding PHX as stakeholders in the NextGen implementation process. Since this was not listed as an action item on the agenda, the item was deferred to agenda item # 8 in order to be included for discussion and recommended action at the next scheduled Commission meeting.

Agenda Item 5 – Airport noise abatement procedures, including procedures that could reduce impacts of arrival operations over Tempe

Introduction: Oddvar Tveit provided a brief overview of:

- a. Existing departure noise mitigation flight procedures at PHX;
- b. Cancelled or suspended procedures for west flow arrivals to PHX, which were intended to mitigate noise from planes close to landing;
- c. Air traffic controllers' vectoring of arriving aircraft to their final approach course:
 - PHX RNAV Standard Terminal Arrival Routes end outside Tempe airspace.
 - The dispersion in the paths followed by planes descending over Tempe has to do with the sequencing done by the PHX air traffic controllers, who merge the descending planes on courses to intercept the glide slope for a requested runway without exceeding minimum intercept angles and with adequate separation to other planes in the flow.
- d. Examples of NextGen technology used to create more predictable approach paths and descent altitudes:
 - Required Navigation Performance, (RNP) approach procedures are in use at Denver allowing aircraft to be "established" on the RNP approach, (EoR).
 - Sea-Tac "Greener Skies" includes a west side RNP approach that reduced the number of areas west of the airport routinely overflown by arrivals.
- e. NextGen RNP procedures that benefit airlines and the FAA can also provide a reduction in aircraft emissions and noise by more Continuous Descent Approaches (CDA) and reduce the areas and populations subject to overflights by incoming aircraft.

Commissions discussed how the City could encourage the airport, the FAA, and the airlines to make use of NextGen technology to minimize noise impacts.

Agenda Item 6 – Future invitations for PHX staff and leadership

The members discussed future discussion items with the City of Phoenix:

- Another public meeting in Tempe and Tempe's preparations to ensure residents in targeted areas receives a timely notice.
- The temporary noise monitoring program
- Addition of monitors to the permanent noise monitoring system for PHX

The members saw no need at this time to invite City of Phoenix officials to the Commission's May meeting.

Agenda Item 7 – Noise Monitoring Site (NMS) locations in Tempe

The Commission discussed potential sites in south Tempe:

1. Mark Garrigan pointed to two potential sites in his area of south Tempe:

- Kyrene Del La Mariposa Elementary School
- CI Waggoner Elementary, and alternatively Tempe Sports Complex, Honeywell or Arizona Cardinals at W. Warner and S. Hardy

He also suggested the airport should look at a geometric system of monitors.

2. Gordon Gauss suggested a site further north around the Lakes at the ASU Research Park after paths moved, now coming down E. Elliot Rd.
3. Jason Forcier suggested a site at Camelot Village along the Western Canal where there are open spaces with little noise from other sources.

David McNeil commented that the South Tempe Water Treatment Plant is also an overflow location with residential on its west side, and noise monitoring equipment could be protected on City property.

Oddvar Tveit about Noise Planning:

- The suggested sites are located outside the PHX 65 DNL noise exposure contour, limiting eligibility for federal noise mitigation funding.
- The issue of adding or replacing permanent noise monitoring locations would typically involve looking at the system as a whole and would involve both sides of the airport per federal regulation FAR Part 150.

Agenda Item 8 – Commissioners’ business

- Commission discussion of positions, based on a draft letter provided by Jon Q Nunes, for a letter to the FAA from the City encouraging broader stakeholder involvement. The item should include consideration of a recommendation for staff to draft a letter based on the Commission’s discussion, provide for internal review by the City Attorney’s Office and other stakeholders, and to send the letter with the Mayor’s signature.
- Discussion of outreach to south Tempe residents, the utilization of Tempe in Touch and other City of Tempe channels to solicit input from residents about flight path impacts, and possible inclusion of Tempe Media Relations staff.
- Noise Monitoring sites follow-up discussion and potential action based on a map depicting the suggested locations in south Tempe.
- Continued discussion and potential action regarding mitigating noise from PHX west flow approaches.
- Commission staffing update.

Agenda Item 9 – Schedule next TAVCO meeting

Action: The next meeting date for the commission was scheduled for May10, 2016.

Agenda Item 10 – Adjournment

Motion: Ms. Shannon Dutton moved to adjourn the meeting. Mr. Mike Sonenberg seconded the motion.

Action: The meeting was adjourned at 8:04 p.m. by unanimous vote.

Prepared by: Oddvar Tveit

Reviewed by David McNeil

Authorized Signature
Environmental Services Manager