



## Minutes Tempe Aviation Commission November 13, 2018

Minutes of the Tempe Aviation Commission meeting held on November 13, 2018, 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  
W. David Doiron  
Shannon Dutton  
Gordon Gauss  
John Q. Nunes (Vice Chair)  
Valeriy Khaldarov  
Trevor Pan  
Peter Schelstraete

**City Staff Present:**

Oddvar Tveit, *Environmental Quality Specialist*

**Agenda Item 1 – Call to Order**

Chair Lane Carraway called the meeting to order at 6:30 p.m.

**Agenda Item 2 – Public Appearances**

There were no public appearances. The new members, Trevor Pan and Peter Schelstraete, made their introductions.

**Agenda Item 3 – Consideration of Meeting Minutes (October 11, 2018)**

Chair Lane Carraway asked for comments to the drafted October 11, 2018 meeting minutes, and a motion to approve.

**Motion:** Mr. John Q. Nunes moved to approve minutes as drafted. Mr. W. David Doiron seconded the motion.

**Action:** The drafted October minutes were approved by six votes. Ayes: Chair Lane Carraway, Mr. Robert Dixon Mr. W. David Doiron, Ms. Shannon Dutton, Mr. John Q. Nunes and Mr. Valeriy Khaldarov. Abstentions: Mr. Trevor Pan and Mr. Peter Schelstraete. Nays: None. Absent: None.

**Agenda Item 4 – TAVCO Annual Report**

Chair Lane Carraway reminded members that the purpose of the report is to inform the Tempe Mayor and City Council about city boards and commissions activities during the year. Mr. Oddvar Tveit pointed out that the draft report presented for approval had been adjusted to include aviation commissioners' attendance records at public meetings held from January 2018 through October 2018. Chair Lane Carraway asked for comments and a motion to approve the 2018 annual report

**Motion:** Mr. John Q. Nunes moved to approve the drafted annual report as is. Mr. Robert Dixon seconded the motion.

**Action:** The drafted 2018 annual report was approved by six votes. Ayes: Chair Lane Carraway, Mr. Robert Dixon Mr. W. David Doiron, Ms. Shannon Dutton, Mr. John Q. Nunes, Mr. Valeriy Khaldarov, Abstentions: Mr. Trevor Pan and Mr. Peter Schelstraete. Nays: None. Absent: Mr. Gordon Gauss.

*Mr. Gordon Gauss joined the meeting at 6:39 pm.*

#### **Agenda Item 5 – The use of the PHX Noise and Operations Monitoring System (NOMS)**

Mr. Oddvar Tveit presented the history of federal regulations that established airport noise compatibility plans and programs and the 1994 Intergovernmental Agreement (IGA) with the City of Phoenix, which led to the installment of a noise and flight track system for PHX. The airport has kept the system in operation and the noise monitoring equipment updated with new technology as the companies holding the contract and the rights to software and to service components for the PHX NOMS have changed over the years since the system was established in 1996-97. The 1994 agreement gives the City of Tempe access to PHX noise and complaint data directly from the operational database. This gives the City of Tempe:

1. The ability to monitor changes in flight paths over the city and the noise levels created by airport operations over northern areas of the city
2. The ability to monitor how well the airlines are following certain abatement flight procedures that the FAA agreed to uphold after the 1994 IGA.
3. The ability to provide the public with information about PHX operations and investigate residents' aircraft noise concerns.

The system contains historic flight data up to near real time at valley airports out to 40NM from PHX. The latest additions, noise exposure contour mapping and virtual noise computations, are available applications but they require processing assistance which result in longer wait times before the data becomes available compared to using the traditional applications.

#### **Discussion:**

- The city does not have access to in-depth environmental analytical tools typically used by the industry to assess noise and emissions contributions from flight operations. Tempe is located close to the PHX runways and these tools are set up to analyze impacts of air traffic changes over broad areas of airspace.
- The larger cargo aircraft do not have many operations compared to the major airlines at PHX and therefore contribute less to the noise exposure standard which estimates the average noise level over 24-hours, adjusted to an equivalent level to account for the lower tolerance to noise during the night hours.
- Back in the 1960s and the early 1970s a system appeared at airports in Germany that detected noise from aircraft over a certain threshold and made airlines aware of violations shortly after they happen. Why not invest in a tool that can give airlines immediate feedback on noise violations?
- The reliability of the flight and noise monitoring data relate to how the provider sets up the system, e.g. noise monitor calibrations, apply algorithms, and how the received feed of air traffic data is streamlined and analogue radar data are converted to a digital format. Data from radar systems are a main source of flight information in the PHX NOMS. A question was asked about whether the users of the system could develop indicators to determine the reliability of the data the NOMS provide.

#### **Agenda Item 6 – 2019 Aviation Workshop(s) in Tempe**

Mr. Oddvar Tveit informed the members about the press release posted on the FAA's web site about community involvement for Step Two of the agreement with the petitioners in City of Phoenix Arizona v. Huerta and the FAA where the FAA has agreed to consider flight procedures throughout the Phoenix area.

**Discussion:**

Members expressed support for a public workshop in Tempe. The FAA has stated that the agency will hold public workshops to provide an evaluation of Step One – the return to pre-2014 departure headings west of the airport – where they will provide an overview of public comments received at the three workshops held in Phoenix in February 2018.

**Motion:** Mr. Robert Dixon moved to invite Phoenix Aviation staff and the FAA to attend an upcoming commission meeting to talk about the plans for Step Two. The motion was seconded by Mr. W. David Doiron.

**Action:** The motion carried by a unanimous vote. Ayes: Chair Lane Carraway, Mr. Robert Dixon Mr. W. David Doiron, Ms. Shannon Dutton Mr. Gordon Gauss, Mr. John Q. Nunes, Mr. Valeriy Khaldarov, Mr. Trevor Pan and Mr. Peter Schelstraete. Nays: None. Absent: None.

**Agenda Item 7 – Commissioners' business**

- The PHX Community Involvement Process pending on invited attendance.
- Potential discussion of leverage in relation to advancing aviation noise mitigation measures.
- Update on status of the commission's supplemental budget request.
- Nominations of candidates for commission officers.

**Agenda Item 8 – Schedule next TAVCO meeting**

The next meeting was scheduled for December 11, 2018.

**Agenda Item 9 – Adjournment**

**Motion:** Ms. Shannon Dutton moved to adjourn the meeting. Mr. W. David Doiron seconded the motion.

**Action:** The meeting was adjourned at 7:58 p.m. by a unanimous vote. Ayes: Chair Lane Carraway, Mr. Robert Dixon Mr. W. David Doiron, Ms. Shannon Dutton Mr. Gordon Gauss, Mr. John Q. Nunes, Mr. Valeriy Khaldarov, Mr. Trevor Pan and Mr. Peter Schelstraete. Nays: None. Absent: None.

Prepared by: Oddvar Tveit

Reviewed by: Justin Bern