



**TRUCKEE TAHOE AIRPORT DISTRICT  
BOARD OF DIRECTORS STAFF REPORT**

**AGENDA TITLE: Noise Operations Monitoring System (NOMS)  
Update**

**MEETING DATE: Wednesday, Jun 28, 2023**

**PREPARED BY: Jeff Menasco, Director of Aviation**

**PRESENTED BY: Jeff Menasco, Director of Aviation**

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**RECOMMENDED ACTION:** To proceed with planning and budgeting for a temporary NOMS assessment period during the summer/fall of 2024 post runway reconstruction of RWY 02/20.

**GOAL:** Document the noise signature of KTRK against established standards and clearly communicate our noise impacts to District residents.

**DISCUSSION:** NOMS are noise sensors put in communities to capture actual noise emissions; typically, from aircraft. Costs, technology, and correlation of noise emissions to flight tracks have advanced markedly over the past decade with the ability to distinguish between ambient and aircraft noise. In 2015-16 KTRK had a single NOMS sensor on the airfield for a 1-year trial period, however there was no noise capture off airfield. There were also discussions in 2016 about the permanent installation of a NOMS array in the community, but it was decided against due to cost and what could be done with the data.

**KEY QUESTIONS:**

- What are the *Truckee ambient noise* and *KTRK airport noise* environments?
- How significant is the noise signature from KTRK during peak and shoulder seasons?
- Are vicinity KTRK neighborhoods below, at, or above FAA (and other) noise standards?

**CONCEPT:**

- Lease 4 portable NOMS sensors
- Use 4-month assessment period to capture peak and shoulder **season (Jul-Oct 2024)**
- Measure ambient noise of Truckee at start of trial for 2 weeks (I-80, railroad, river)
- Measure noise in: Martis Valley Estates, Olympic Heights, Sierra Meadows, Glenshire
- Utilize publicly owned property to max extent possible

**PUBLIC COMMUNICATIONS:** Messaging would focus on where KTRK falls on established noise standards of airport impacts to communities. We could learn KTRK is well below, near, or far exceeds established noise standards for airports. We could also learn what Truckee’s ambient noise signatures are in comparison to KTRK. Regardless of outcome, having a documented noise signature of KTRK would allow the District to honestly communicate the airport’s noise impacts and establish better trust.

**FISCAL IMPACT:** TBD.

**SAMPLE MOTION(S):** N/A.

**ATTACHMENT(S):**

- ACAT Noise Monitors Presentation 2016

