



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

AGENDA TITLE: Runway Utilization Report Update

MEETING DATE: December 2, 2020

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DISCUSSION: In the fall of 2019 TTAD Board Member Mary Hetherington requested an analysis that compares the runway utilization before and after TTAD installed an air traffic control tower. The goal of this analysis was to see what, if any difference the tower has had on runway utilization as well as to serve as a benchmark for additional airport and airfield enhancements and modifications. TTAD tasked their flight tracking system vendor, Vector Airport Systems to build new functions into their software allowing for such analysis.

At the July 2020 board meeting Tom Breen from Vector presented the initial report. This meeting also saw board approval of an expenditure of \$15,018.50 for development of three new report capabilities:

1. Development of the inclusion of weather into the VNOMS application such that when a flight track is selected, the weather data is available for that track in a popup.

2. Weather data will be stored in such a way that it will be included when the user exports the Activity Report to a CSV file that can be edited in MS Excel.

3. Historic weather data, from 2016 to present, will be processed and included in the VNOMS database such that it will appear in the system the same as new weather data and will also be included in the Activity Report when exported as a CSV file.

CURRENT STATUS: The development of the three additional capabilities is complete. KTRK staff can now analyze flight operations based on the following meteorological conditions:

- Wind direction and speed
- Visibility conditions

- Sunrise and sunset
- Temperature, dew point, altimeter

WHAT'S NEXT: The report will now additionally show runway utilization during calm winds, when Air Traffic Controllers have some discretion as to which runways to assign pilots. Tom Breen from Vector will present the Runway Utilization Report of the 2020 summer peak period (June 15 – September 15.) The board will be presented with a report of runway utilization twice annually showing data from the summer peak period and the winter peak period (December 15 – April 15.) The board may also brainstorm additional ways to use these new tools.

ATTACHMENTS:

Power Point presentation by Tom Breen from Vector Airport Systems

Excel spreadsheet data of runway utilization during Summer Peak seasons from 2016 – 2020