



## TRUCKEE TAHOE AIRPORT DISTRICT BOARD OF DIRECTORS STAFF REPORT

**AGENDA TITLE: Runway Utilization Report Update**

**MEETING DATE: August 26, 2020**

**PREPARED BY: David Van Quest, AVCOM Associate - Noise**

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**DISCUSSION:** At the July 2020 board meeting, Tom Breen from Vector Airport Systems presented KTRK's Runway Utilization Report showing an analysis of runway usage before and after the air traffic control tower was installed. In the process of developing the report, it was identified that wind plays a major role in runway selection and that a report of runway use may not tell the entire story if wind was not factored in.

Once the report was presented, the working group asked the Board for an additional expenditure of \$15,018.50 and was approved for the following additions:

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.

On August 11, 2020 TTAD authorized Vector to begin work on the additions. Vector estimates that these new items will be delivered mid to late October, 2020. Preliminary talks with Vector developers have yielded the following mockups of what some of the new weather items may look like in practice:

| Results Track Details ↔ Reclassify X |             |               |     |         |                     |             |     |     |                  |
|--------------------------------------|-------------|---------------|-----|---------|---------------------|-------------|-----|-----|------------------|
| Flight Count: 33                     |             |               |     |         |                     |             |     |     | Download All KML |
|                                      | Aircraft ID | Activity Type | T&G | AC Type | Activity Time       | Beacon Code | Alt | KML | Weather          |
| 3                                    | N55WF       | KMKY/KPV      |     | BE9L    | 7/11/19<br>16:44:08 | 3605        |     |     | WX               |
| 4                                    | N836JS      | KMKY/KPD      |     | C56X    | 7/11/19<br>16:55:45 | 1402        |     |     | WX               |
| 1                                    | N51EM       | <br>KAPF/KABE |     | C25B    | 7/11/19<br>17:19:50 | 5605        |     |     | WX               |
| 5                                    | N550WN      | KRSW/KMD      |     | B737    | 7/11/19<br>17:37:22 | 1361        |     |     | WX               |
| 2                                    | N615QS      | <br>KAPF/KPNS |     | C5X     | 7/11/19<br>18:39:53 | 2367        |     |     | WX               |

**METAR for: KAPF**      7/11/2019 16:44 local time X

Winds: SSW (210 degrees) 14 MPH (12 knots)  
Gusts: 21 MPH (18 knots)

Visibility: 10 or more statute miles

Clouds: few at 2000, broken at 4000, scattered at 5000 ft AGL

Temperature: 86°F Dewpoint 77°F [RH = 75%]

Pressure (Altimeter): 29.96 inches Hg

Sunrise: 06:28 local time      Sunset: 20:14 local time

METAR: KAPF 201653Z 21012KT 10SM SCT050 30/25 A2996 RMK AO2 LTG DSNT SE SLP145 T03000250

**WHAT'S NEXT:** The working group will provide periodical updates on the project. Board may begin brainstorming what they would like to see from the Runway Utilization Report now that weather data can be included.