TRUCKEE TAHOE AIRPORT DISTRICT

BOARD OF DIRECTORS STAFF REPORT

AGENDA TITLE: Runway Utilization Report Update

MEETING DATE: October 28, 2020

PREPARED BY: David Van Quest, AVCOM Associate - Noise

DISCUSSION: At the July 2020 board meeting 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. 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: On October 12, 2020 Vector notified TTAD that the weather integration is virtually complete. The development team is still working out an issue of inaccurate Visibility data but should have it fixed by October 26, 2020.

WHAT'S NEXT: Tom Breen of Vector will present the bi-annual runway utilization report for our summer peak season at the December 2, 2020 board meeting. A report of runway utilization during calm winds will also be presented to see what role the wind plays in runway selection.

Examples of the finished work are on the following page:

Item 1:

Items 2-3:

ActivityDateTime	Activity	Model	Runway	Wind Direction	Wind Compass Direction	Wind Speed Mph	Wind Gust Speed Mph	Visibility	Cloud1Type	Cloud1Alt
6/23/2020 13:18	Arrival	C414	RWY 11	180	S	11	16	10		
6/23/2020 13:23	Departure	C180	RWY 11	180	S	11	16	10		
6/23/2020 13:37	Arrival	PC12	RWY 20	180	S	11	16	10		
6/23/2020 13:39	Departure	BE35	RWY 11	180	S	11	16	10		
6/23/2020 13:45	Departure	C182	RWY 20	180	S	11	16	10		
6/23/2020 13:49	Departure	BE20	RWY 11	180	S	11	16	10		
6/23/2020 13:50	Departure	PC12	RWY 11	180	S	11	16	10		
6/23/2020 13:54	Departure	SR22	RWY 11	180	S	11	16	10		
6/23/2020 14:21	Departure	SR20	RWY 20	180	S	11	16	10		
6/23/2020 14:25	Arrival	SR22	RWY 11	180	S	11	16	10		
6/23/2020 14:25	Arrival	C172	RWY 11	180	S	11	16	10		
6/23/2020 14:39	Arrival	C182	RWY 11	180	S	11	16	10		
6/23/2020 14:39	Arrival	C210	RWY 20	180	S	11	16	10		
6/23/2020 14:54	Departure	C182	RWY 2	180	S	11	16	10		
6/23/2020 14:58	Arrival	BE36	RWY 29	60	NE	5		10	FEW	60
6/23/2020 14:59	Arrival	SR20	RWY 29	60	NE	5		10	FEW	60
6/23/2020 15:08	Departure	SR22	RWY 29	60	NE	5		10	FEW	60
6/23/2020 15:18	Departure	C421	RWY 29	60	NE	5		10	FEW	60
6/23/2020 15:25	Departure	PA23	RWY 29	60	NE	5		10	FEW	60
6/23/2020 15:30	Departure	C414	RWY 29	60	NE	5		10	FEW	60
6/23/2020 15:36	Arrival	C182	RWY 20	60	NE	5		10	FEW	60
6/23/2020 15:41	Departure	TBM7	RWY 11	60	NE	5		10	FEW	60
6/23/2020 15:45	Arrival	AS29	RWY 20	60	NE	5		10	FEW	60
6/23/2020 15:59	Arrival	GLF4	RWY 11	200	S	14	19	10	SCT	110
6/23/2020 16:23	Arrival	P28A	RWY 11	200	S	14	19	10	SCT	110
6/23/2020 16:26	Arrival	DISC	RWY 20	200	S	14	19	10	SCT	110