



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

**AGENDA TITLE:** Carbon Data & Sustainability Reporting Platform


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

**PREPARED BY:** Robb Etnyre, General Manager

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**RECOMMENDED ACTION:** Staff is requesting Truckee Tahoe Airport District (TTAD) Board approval the use of a carbon management & monitoring platform nZero to track and make publicly available the District’s scope 1, 2, and 3 emissions to allow the District to identify existing efforts and future opportunities to reduce carbon emissions to further address the Truckee Tahoe Airport 2015 Green House Gas Inventory and 2018 GHG Reduction Plan.

**DISCUSSION:** nZero automates data collection, applies the most accurate emissions factors, and delivers the insights we need to hit sustainability goals on time and under budget. While other platforms require you to gather data, nZero enables you to focus on what really matters—reducing emissions, saving money, and saving the planet. The nZero platform finds and manages emissions data in real-time so we can review our carbon footprint, energy usage, and costs down to the hour. Additionally, as the California legislature has recently considered bills related to general aviation airports reporting greenhouse gas emissions, this platform would assist the District in regular reporting of these metrics, if required.

  
**Scope 1**  
*Direct emissions: Mobile, stationary fugitive, and process*


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Automates your data collection and instantly calculate your carbon impacts.

  
**Scope 2**  
*Indirect emissions: Purchased electricity*

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Tracks thousands of data points on 24/7 energy use, providing you hourly insights.

  
**Scope 3**  
*Indirect emissions: Up and downstream activities*

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Looks upstream and downstream to calculate your carbon, water, and waste impacts.

**FISCAL IMPACT:** Not to exceed \$50,000 per year, for three years.

**SAMPLE MOTION(S):** I move to (approve/deny/modify) the engagement of nZero for monitoring and reporting Truckee Tahoe Airport District scope 1, 2, and 3 emissions as outlined in the attached scope of work.

**ATTACHMENT(S):**

- 2015 Truckee Tahoe Airport Greenhouse Gas Inventory
- 2018 Truckee Tahoe Airport District Green House Gas (GHG) Reduction Plan
- Truckee Tahoe Airport District Order Form -nZero
- Truckee Tahoe Airport District Scope of Work – nZero
- nZero Customer Success
- nZero About

Customer successes

## Our data identified -14.9 MT of CO<sub>2</sub>e avoided per year

By identifying and quantifying their associated avoided emissions, we enabled an aviation customer to verify their strategic decision to electrify airport tugs (vs. diesel).

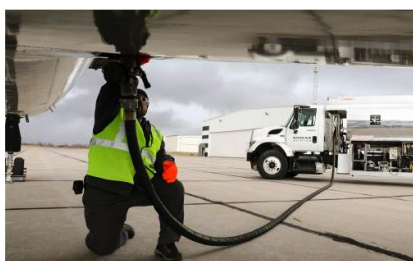
In 2021 we also quantified -250 MT of CO<sub>2</sub>e avoided thanks to Sustainable Aviation Fuel (SAF).

The amount of MT CO<sub>2</sub>e avoided is equivalent to driving **657,000 miles** in 2021

nzero.com



14.9 MT CO<sub>2</sub>e avoided per year since 2015



249.9 MT CO<sub>2</sub>e avoided in 2021 using SAF

 nZero