

April 28, 2021

Mr. Jeremy Lampert
Senior Manager-Environmental Services
Safety & Security Department
Southwest Airlines
2195 Research Row WGS-1SE
Dallas, TX 75235



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Subject: **Assurance Statement for 2020 Greenhouse Gas Inventory**

Dear Mr. Lampert:

Wood Environment & Infrastructure, Inc. (Wood) was retained by Southwest Airlines Co. (Southwest) to verify and provide a third-party assessment of their 2020 greenhouse gas (GHG) emissions inventory. The purpose of assessment was to verify that the 2020 GHG emissions inventory represents a reasonable and fair account of Southwest's GHG emissions. This was accomplished through:

1. Review of Inventory Boundaries.
2. Review of GHG Emissions Calculation Methodologies.
3. Review of GHG Emissions Calculations.

Moderate assurance was provided based on evidence of the reliability of the procedures undertaken to develop the GHG Emissions Inventory. Wood reviewed the GHG Emissions Inventory for consistency with GHG emissions calculation methodologies (i.e., World Resources Institute (WRI) GHG Protocol). This was a desktop assessment only. No site visits were made as a part of the assurance engagement.

In order to complete this assurance of Southwest's 2020 GHG emissions inventory, Wood utilized the AA1000 Assurance Standard and obtained, analyzed and verified data related to Scope 1, Scope 2 and Scope 3 emissions and the customer emissions allocations. This included:

1. A review of Southwest's operations and facility activities for the purposes of verifying the sources and types of GHGs emitted.
2. A qualitative review evaluating emission sources omitted from the 2020 GHG inventory and the impact this has on the overall inventory.
3. A review of the processes and procedures utilized to gather data for and develop the 2020 GHG inventory.
4. A review of the GHG emissions calculations for consistency with the World Resources Institute GHG Protocol and The Climate Registry GHG Protocol.



5. An examination of Southwest's 2020 GHG Inventory electronic workbook spreadsheets utilized to calculate GHG emissions. Wood assumed that raw source data provided—such as electricity purchase data and natural gas consumption—were accurate.

The time period covered by the 2020 GHG emissions inventory, and hence this review, is January 2020 through December 2020.

This review determined that the 2020 GHG emission inventory accounts for emissions due to aircraft and ground support equipment fuel combustion, natural gas combustion (Southwest controlled facilities), electricity usage (Southwest controlled facilities), waste generated in operations, and employee commuting. Refrigerant losses were not included in the 2020 GHG emissions inventory based on previous estimations that found this source to be de minimis compared to overall emissions. No significant sources of emissions within identified boundaries have been omitted. The emissions calculations have been assured as accurate and consistent with the World Resources Institute GHG Protocol and The Climate Registry GHG Protocol.

To the best of our knowledge, we have found with moderate assurance that Southwest has satisfactorily compiled a reasonable and fair account of their GHG emissions for the 2020 calendar year.

Sincerely,

Wood Environment & Infrastructure Solutions, Inc.


Rebecca J. Vanderbeck, P.E.
Sr. Associate Engineer – Environmental