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## Independent Accountants' Review Report

The Board of Directors  
Norfolk Southern Corporation:

We have reviewed the accompanying Statement of Greenhouse Gas Emissions (the Statement of GHG Emissions) of Norfolk Southern Corporation for the year ended December 31, 2020. Norfolk Southern Corporation's management is responsible for preparing and presenting the Statement of GHG Emissions in accordance with the World Resources Institute/World Business Council for Sustainable Development (WRI/WBCSD) Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard, Revised Edition and the WRI/WBCSD Greenhouse Gas Protocol Scope 2 Guidance: An amendment to the GHG Protocol Corporate Standard (the Criteria). Our responsibility is to express a conclusion on the Statement of GHG Emissions based on our review.

Our review was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants. Those standards require that we plan and perform the review to obtain limited assurance about whether any material modifications should be made to the Statement of GHG Emissions in order for it to be presented in accordance with the Criteria. A review is substantially less in scope than an examination, the objective of which is to obtain reasonable assurance about whether the Statement of GHG Emissions is presented in accordance with the Criteria, in all material respects, in order to express an opinion. Accordingly, we do not express such an opinion. We believe that our review provides a reasonable basis for our conclusion.

As described in note 1, environmental and energy use data are subject to measurement uncertainties resulting from limitations inherent in the nature and the methods used for determining such data. The selection of different but acceptable measurement techniques can result in materially different measurements. The precision of different measurement techniques may also vary.

Based on our review, we are not aware of any material modifications that should be made to the Statement of GHG Emissions of Norfolk Southern Corporation for the year ended December 31, 2020 in order for it to be presented in accordance with the criteria.

**KPMG LLP**

Atlanta, Georgia  
July 28, 2021

Statement of Greenhouse Gas Emissions  
Year ended December 31, 2020

<b>Operational Boundary</b>	<b>Emissions (in metric tons CO<sub>2</sub>e)</b>
<b>Scope 1</b>	3,786,837
<b>Scope 2</b>	193,097
<b>Scope 3</b>	163,826
<b>Total</b>	4,143,760

The above Scope 1 emissions exclude 256,487 tons of direct CO<sub>2</sub> emissions from the use of biofuels.

See accompanying Independent Accountants' Review Report and notes to the Statement of Greenhouse Gas Emissions.

## **Notes to the Statement of Greenhouse Gas Emissions**

Year ended December 31, 2020

### **Note 1: The Company**

#### **Basis of Presentation**

Norfolk Southern Corporation (the Company) has prepared its 2020 Statement of Greenhouse Gas Emissions (GHG) on a calendar reporting year that is the same as our financial reporting period.

- Scope 1 and Scope 3 GHG Emissions information has been prepared in accordance with the World Resources Institute/World Business Council for Sustainable Development (WRI/WBCSD) Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard Revised.
- Scope 2 GHG Emissions information has been prepared in accordance with the WRI/WBCSD GHG Protocol Scope 2 Guidance: An amendment to the GHG Protocol Corporate Standard.

Collectively, the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard, Revised Edition and the GHG Protocol Scope 2 Guidance: An amendment to the GHG Corporate Standard are referred to as the “GHG Protocol” in this document.

The Company’s statement of GHG Emissions includes all direct (Scope 1) and indirect (Scope 2) GHG emissions generated from all company-owned locations, which are all located in the United States as defined under the financial control method and indirect GHG emissions from business travel (commercial air business travel, rental car usage, personal car use for business purpose), waste generated in operations, upstream leased assets, and upstream transportation and distribution (Scope 3).

In 2020, the Company received a total of 103,570 carbon credits from our Trees and Trains project for the vintage years 2018 and 2019. We did not retire or sell any carbon credits in 2020.

#### **Estimation Uncertainties**

Environmental and energy use data included in the Statement of GHG Emissions are subject to measurement uncertainties resulting from limitations inherent in the nature and the methods used for determining such data. The selection of different but acceptable measurement techniques can result in materially different measurements. The precision of different measurement techniques may also vary.

Consumption is based on raw data, such as meter readings and invoices, when available. When raw data is unavailable, we estimate consumption based on an extrapolation of the average consumption from the most comparable metrics available.

## Note 2: GHG Reporting

### Greenhouse Gases

The GHG Protocol covers the accounting and reporting of seven greenhouse gases covered by the Kyoto Protocol – Carbon Dioxide (CO<sub>2</sub>), Methane (CH<sub>4</sub>), Nitrous Oxide (N<sub>2</sub>O), Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), Sulphur Hexafluoride (SF<sub>6</sub>), and Nitrogen Trifluoride (NF<sub>3</sub>).

Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), Sulphur Hexafluoride (SF<sub>6</sub>), and Nitrogen Trifluoride (NF<sub>3</sub>) emissions have been omitted from our reporting as they are not material sources of greenhouse gases for the Company.

### GHG Emission Factors

<b>GHG Emission Source</b>	<b>Emission Factor Source</b>
<b>Scope 1 Heating</b>	US EPA Center for Corporate Climate Leadership Emission Factor Hub
<b>Scope 1 Transport Fuel</b>	US EPA Center for Corporate Climate Leadership Emission Factor Hub
<b>Scope 2 and Scope 3 Grid Electricity</b>	US Environmental Protection Agency eGRID2019
<b>Scope 2 Market-Based Electricity</b>	2021 Green-e Energy Residual Emission Rates (2019 Data)
<b>Scope 3 Business Travel</b>	US EPA Center for Corporate Climate Leadership Emission Factor Hub
<b>Scope 3 Transport Fuel</b>	US EPA Center for Corporate Climate Leadership Emission Factor Hub
<b>Scope 3 Waste Generated in Operations</b>	US EPA Center for Corporate Climate Leadership Emission Factor Hub

### Global Warming Potentials

The GHG Inventory was calculated using the Global Warming Potentials (GWP) from the International Panel on Climate Change (IPCC) Fifth Assessment Report and the country appropriate emissions factors listed above.

### Scope 1, 2, and 3 GHG Inventory by Type

The following tables present the Company's GHG Inventory by scope and GHG type for the year ended December 31, 2020.

GHG Type	Emissions (in metric tons CO <sub>2</sub> e) (Location- Based)	Emissions (in metric tons CO <sub>2</sub> e) (Market- Based)*
<b>Scope 1</b>		
CO <sub>2</sub>	3,751,242	
CH <sub>4</sub>	8,017	
N <sub>2</sub> O	27,578	
<b>Total Scope 1</b>	3,786,837	N/A
<b>Scope 2</b>		
CO <sub>2</sub>	191,977	176,274**
CH <sub>4</sub>	417	
N <sub>2</sub> O	703	
<b>Total Scope 2</b>	193,097	176,274
<b>Scope 3</b>		
CO <sub>2</sub>	91,917	
CH <sub>4</sub>	107	
N <sub>2</sub> O	1,448	
CO <sub>2</sub> e	70,353*	
<b>Total Scope 3</b>	163,826	N/A

\*70,353 metric tons CO<sub>2</sub>e are emissions related to waste generated in operations. The total CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O emissions breakdown for this category is not available because emissions for waste constitute only methane emissions and emission factors for waste are not broken down per GHG type.

\*\*176,274 metric tons CO<sub>2</sub>e are scope 2 market-based emissions calculated using the Green-e Residual Mix emission factors. Green-e emission factors are provided in pounds of CO<sub>2</sub> per MWh and therefore a breakdown per GHG type is unavailable.