

CDP Corporate Questionnaire



Company Introduction

Southern Company is a holding company that provides clean, safe, reliable and affordable energy to over nine million customers through its subsidiaries:

- Traditional electric operating companies in three states
- Natural gas distribution companies in four states and complementary natural gas businesses
- A competitive generation company serving wholesale customers nationwide
- A leading distributed energy infrastructure company
- A fiber optics network and telecommunications service business

Through industry-leading innovation and a commitment toward a net-zero future, we are delivering sustainable and resilient energy solutions that help drive growth and prosperity. Our greenhouse gas reduction goals are to achieve 50% reduction from 2007 levels by 2030 and to reach net zero by 2050, consistent with the commitments of the Paris Agreement. Our goals are specific to Scope 1 emissions as they comprise approximately 70% of our GHG emissions profile, and we have the most direct ability to influence our emissions reduction trajectory through infrastructure transition.

Over the past five years, energy industry fundamentals have changed meaningfully, including fuel price volatility, rapid projected demand growth in our southeastern service territories, supply chain dynamics and legislative incentives, among others. As we strive to effectively meet our customers' future needs, we continue to enhance our planning processes, which routinely consider a host of factors, including environmental impacts, safety, reliability, resilience and affordability, as well as broader social and economic community impacts. Infrastructure decisions made as part of our planning and regulatory processes impact our ongoing evaluation of Southern Company's GHG reduction goals.

As we look to the future and aim to reach net zero by 2050, many of the factors noted above will influence the energy resource mix needed to serve customers. While the proportion of each resource may shift over time, the following key tenets remain consistent given our view of current and emerging technologies and economic attributes:

- Continued assessment of coal-fired generating assets
- Thoughtful use of natural gas
- Further growth in our portfolio of clean energy resources
- Enhanced demand response, energy efficiency initiatives and distributed energy resources (DER)
- Negative-carbon solutions
- Continued investment in R&D of emerging clean energy technologies

Southern Company strives to provide stakeholders with timely, accessible and transparent disclosures. In April, we published our 2023 data, including preliminary emissions data, in our Sustainability Data Table. In September, we published the final data table, which is available in PDF and Excel formats at <https://www.southerncompany.com/sustainability/data-downloads-reports.html>

In addition, we have expanded disclosures on our website to encompass content historically included in the CDP Disclosure. These comprehensive disclosures are designed to address questions posed in the CDP template as well as key standards, frameworks and topics of interest to our stakeholders. Please see the following disclosures to address specific sections of the CDP questionnaire for climate change:

C.02 Identification, assessment and management of dependencies, impacts, risks, and opportunities |

C.03 Disclosure of risks and opportunities

► 2023 10-K Item 1A. Risk Factors

<https://d18rn0p25nwr6d.cloudfront.net/CIK-0000092122/9619ee32-4e60-409f-8df9-407b49aa0ef1.pdf#page=25>

► Effective Governance

<https://www.southerncompany.com/sustainability/governance.html>

C.04 Governance

▶ 2024 Proxy Statement

<https://d18rn0p25nwr6d.cloudfront.net/CIK-0000092122/0c307389-d6ab-4129-9b6b-e068912e2b0a.pdf>

Page 16 Board of Director Nominees Qualifications, Attributes, Skills and Experience

Page 28 Committees of the Board

Page 35 Oversight of Strategy and Risk

Page 54 Executive Compensation Program

▶ 2023 Sustainability Summary: Effective Governance and Policy Engagement

<https://www.southerncompany.com/content/dam/southerncompany/sustainability/pdfs/2023-sustainability-summary.pdf#page=9>

Page 9 Effective Governance and Policy Engagement

C.05 Business Strategy

▶ Advance Clean Energy

<https://www.southerncompany.com/sustainability/clean-energy.html>

Emissions Reduction Progress and Reporting Fact Sheet

Southern Company Net Zero Q&A Supplement

Electric Operations: Energy Portfolio Transition and Scenario Planning Fact Sheet

Natural Gas Sustainability Fact Sheet

C.11 Environmental Performance – Biodiversity

▶ Biodiversity & Stewardship

<https://www.southerncompany.com/sustainability/clean-energy/biodiversity-stewardship.html>

Additional sustainability disclosures, including our TCFD, SASB and GRI reports are available at:

<https://www.southerncompany.com/sustainability/data-downloads-reports.html>



The Southern Company

2024 CDP Corporate Questionnaire

Word version

Important: this export excludes unanswered questions

This document is an export of your organization's CDP questionnaire response. It contains all data points for questions that are answered or in progress. There may be questions or data points that you have been requested to provide, which are missing from this document because they are currently unanswered. Please note that it is your responsibility to verify that your questionnaire response is complete prior to submission. CDP will not be liable for any failure to do so.

[Terms of disclosure for corporate questionnaire 2024 - CDP](#)

Contents

C1. Introduction

(1.1) In which language are you submitting your response?

Select from:

English

(1.2) Select the currency used for all financial information disclosed throughout your response.

Select from:

USD

(1.3) Provide an overview and introduction to your organization.

(1.3.2) Organization type

Select from:

Publicly traded organization

(1.3.3) Description of organization

Southern Company is a holding company that provides clean, safe, reliable and affordable energy to over nine million customers through its subsidiaries: • Traditional electric operating companies in three states • Natural gas distribution companies in four states and complementary natural gas businesses • A competitive generation company serving wholesale customers nationwide • A leading distributed energy infrastructure company • A fiber optics network and telecommunications service business Through industry-leading innovation and a commitment toward a net-zero future, we are delivering sustainable and resilient energy solutions that help drive growth and prosperity. Our greenhouse gas reduction goals are to achieve 50% reduction from 2007 levels by 2030 and to reach net zero by 2050, consistent with the commitments of the Paris Agreement. Our goals are specific to Scope 1 emissions as they comprise approximately 70% of our GHG emissions profile, and we have the most direct ability to influence our emissions reduction trajectory through infrastructure transition. Over the past five years, energy industry fundamentals have changed meaningfully, including fuel price volatility, rapid projected demand growth in our southeastern service territories, supply chain dynamics and legislative incentives, among others. As we strive to effectively meet our customers' future needs, we continue to enhance our planning processes, which routinely consider a host of factors, including environmental impacts, safety, reliability, resilience and affordability, as well as broader social and economic community impacts. Infrastructure decisions made as part of our planning and regulatory processes impact our ongoing evaluation of Southern Company's GHG reduction goals. As we look to the future and aim to reach net zero by 2050, many of the factors noted above will influence the energy resource mix needed to serve customers. While the proportion of each resource may shift over time, the following key tenets remain consistent given our view of current and emerging technologies and economic attributes: • Continued assessment of coal-fired generating assets • Thoughtful use of natural gas • Further growth in our portfolio of clean energy resources • Enhanced demand response, energy efficiency initiatives and distributed energy resources (DER) • Negative-carbon solutions • Continued investment in R&D of emerging clean energy technologies Southern Company strives to provide stakeholders with timely, accessible and transparent disclosures. In April, we published our 2023 data, including preliminary emissions data, in our Sustainability Data Table. In September, we published the final data table, which is available in PDF and Excel formats at <https://www.southerncompany.com/sustainability/data-downloads-reports.html>. In addition, we have expanded disclosures on our website to encompass content historically included in the CDP Disclosure. These comprehensive disclosures are designed to address questions posed in the CDP template as well as key standards, frameworks and topics of interest to our stakeholders. Please see the following disclosures to address specific sections of the CDP questionnaire for climate change:

C.02 Identification, assessment and management of dependencies, impacts, risks, and opportunities C.03 Disclosure of risks and opportunities 2023 10-K Item 1A. Risk Factors: <https://d18rn0p25nwr6d.cloudfront.net/CIK-0000092122/9619ee32-4e60-409f-8df9-407b49aa0ef1.pdf#page25> Effective Governance: <https://www.southerncompany.com/sustainability/governance.html> C.04 Governance 2024 Proxy Statement: <https://d18rn0p25nwr6d.cloudfront.net/CIK-0000092122/0c307389-d6ab-4129-9b6b-e068912e2b0a.pdf> Page 16 Board of Director Nominees Qualifications, Attributes, Skills and Experience Page 28 Committees of the Board Page 35 Oversight of Strategy and Risk Page 54 Executive Compensation Program 2023 Sustainability Summary: Effective Governance and Policy Engagement: <https://www.southerncompany.com/content/dam/southerncompany/sustainability/pdfs/2023-sustainability-summary.pdf#page9> Page 9 Effective Governance and Policy Engagement C.05 Business Strategy Advance Clean Energy <https://www.southerncompany.com/sustainability/clean-energy.html> Emissions Reduction Progress and Reporting Fact Sheet Southern Company Net Zero Q&A Supplement Electric Operations: Energy Portfolio Transition and Scenario Planning Fact Sheet Natural Gas Sustainability Fact Sheet C.11 Environmental Performance – Biodiversity Biodiversity & Stewardship <https://www.southerncompany.com/sustainability/clean-energy/biodiversity-stewardship.html> Additional sustainability disclosures, including our TCFD, SASB and GRI reports are available at: <https://www.southerncompany.com/sustainability/data-downloads-reports.html>.
[Fixed row]

(1.4) State the end date of the year for which you are reporting data. For emissions data, indicate whether you will be providing emissions data for past reporting years.

(1.4.1) End date of reporting year

12/31/2023

(1.4.2) Alignment of this reporting period with your financial reporting period

Select from:

Yes

(1.4.3) Indicate if you are providing emissions data for past reporting years

Select from:

Yes

(1.4.4) Number of past reporting years you will be providing Scope 1 emissions data for

Select from:

5 years

(1.4.5) Number of past reporting years you will be providing Scope 2 emissions data for

Select from:

4 years

(1.4.6) Number of past reporting years you will be providing Scope 3 emissions data for

Select from:

5 years
[Fixed row]

(1.4.1) What is your organization's annual revenue for the reporting period?

25253000000

(1.5) Provide details on your reporting boundary.

	Is your reporting boundary for your CDP disclosure the same as that used in your financial statements?
	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

(1.6) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

	Does your organization use this unique identifier?	Provide your unique identifier
Ticker symbol	Select from: <input checked="" type="checkbox"/> Yes	SO

[Add row]

(1.7) Select the countries/areas in which you operate.

Select all that apply

United States of America

(1.16) In which part of the electric utilities value chain does your organization operate?

Electric utilities value chain

Distribution

Electricity generation

Transmission

Other divisions

Battery storage

Gas storage, transmission and distribution

- Microgrids
- Smart grids/demand response

(1.16.1) For your electricity generation activities, provide details of your nameplate capacity and electricity generation specifics for each technology employed.

Coal - Hard

(1.16.1.1) Own or control operations which use this power generation source

Select from:

- Yes

(1.16.1.2) Nameplate capacity (MW)

8523

(1.16.1.3) Gross electricity generation (GWh)

34696

(1.16.1.4) Net electricity generation (GWh)

32115

(1.16.1.5) Comment

Capacity of units is included based on their primary fuel type. Some units may have dual fuel capability. Generation includes facilities for which Southern Company owns and sells the energy to customers (i.e. excludes purchased power and leveraged leases).

Lignite

(1.16.1.1) Own or control operations which use this power generation source

Select from:

- No

(1.16.1.5) Comment

Not applicable. Power plant capacity, generation, and related emission data are not provided for lignite fuels because the facilities in our system using lignite are leveraged lease facilities. Southern Company does not sell the electricity from these facilities and therefore does not include them in our calculations for electric sector emission intensities.

Oil

(1.16.1.1) Own or control operations which use this power generation source

Select from:

- Yes

(1.16.1.2) Nameplate capacity (MW)

1685

(1.16.1.3) Gross electricity generation (GWh)

59

(1.16.1.4) Net electricity generation (GWh)

59

(1.16.1.5) Comment

Capacity of units is included based on their primary fuel type. Some units may have dual fuel capability. Generation includes facilities for which Southern Company owns and sells the energy to customers (i.e. excludes purchased power and leveraged leases).

Gas

(1.16.1.1) Own or control operations which use this power generation source

Select from:

Yes

(1.16.1.2) Nameplate capacity (MW)

22590

(1.16.1.3) Gross electricity generation (GWh)

101724

(1.16.1.4) Net electricity generation (GWh)

99977

(1.16.1.5) Comment

Capacity of units is included based on their primary fuel type. Some units may have dual fuel capability. Generation includes facilities for which Southern Company owns and sells the energy to customers (i.e. excludes purchased power and leveraged leases).

Sustainable biomass

(1.16.1.1) Own or control operations which use this power generation source

Select from:

No

(1.16.1.5) Comment

Not applicable

Other biomass

(1.16.1.1) Own or control operations which use this power generation source

Select from:

No

(1.16.1.5) Comment

Not applicable

Waste (non-biomass)

(1.16.1.1) Own or control operations which use this power generation source

Select from:

No

(1.16.1.5) Comment

Not applicable

Nuclear

(1.16.1.1) Own or control operations which use this power generation source

Select from:

Yes

(1.16.1.2) Nameplate capacity (MW)

4233

(1.16.1.3) Gross electricity generation (GWh)

34235

(1.16.1.4) Net electricity generation (GWh)

32753

(1.16.1.5) Comment

Generation includes facilities for which Southern Company owns and sells the energy to customers (i.e. excludes purchased power and leveraged leases).

Fossil-fuel plants fitted with carbon capture and storage

(1.16.1.1) Own or control operations which use this power generation source

Select from:

No

(1.16.1.5) Comment

Not applicable

Geothermal

(1.16.1.1) Own or control operations which use this power generation source

Select from:

No

(1.16.1.5) Comment

Not applicable

Hydropower

(1.16.1.1) Own or control operations which use this power generation source

Select from:

Yes

(1.16.1.2) Nameplate capacity (MW)

2230

(1.16.1.3) Gross electricity generation (GWh)

4950

(1.16.1.4) Net electricity generation (GWh)

4935

(1.16.1.5) Comment

Generation includes facilities for which Southern Company owns and sells the energy to customers (i.e. excludes purchased power and leveraged leases). Per CDP guidance, excludes pump storage hydro.

Wind

(1.16.1.1) Own or control operations which use this power generation source

Select from:

Yes

(1.16.1.2) Nameplate capacity (MW)

2535

(1.16.1.3) Gross electricity generation (GWh)

(1.16.1.4) Net electricity generation (GWh)

8804

(1.16.1.5) Comment

The information provided in response to this question reflects Southern Company's total generation based upon financial control only, not upon load service by any retail operating companies. To the extent that there are renewable energy credits or other environmental attributes (collectively "RECs") associated with generation reported, the contracted owner of the RECs (whether a Southern Company affiliate or a third party) maintains all rights and ownership including the right to claim the RECs, utilize the RECs for purposes of associating the environmental benefits of such generation with its electric load or sell such RECs to third parties. Generation includes facilities for which Southern Company owns and sells the energy to customers (i.e. excludes purchased power and leveraged leases).

Solar**(1.16.1.1) Own or control operations which use this power generation source**

Select from:

 Yes**(1.16.1.2) Nameplate capacity (MW)**

3000

(1.16.1.3) Gross electricity generation (GWh)

6210

(1.16.1.4) Net electricity generation (GWh)

6210

(1.16.1.5) Comment

The information provided in response to this question reflects Southern Company's total generation based upon financial control only, not upon load service by any retail operating companies. To the extent that there are renewable energy credits or other environmental attributes (collectively "RECs") associated with generation reported, the contracted owner of the RECs (whether a Southern Company affiliate or a third party) maintains all rights and ownership including the right to claim the RECs, utilize the RECs for purposes of associating the environmental benefits of such generation with its electric load or sell such RECs to third parties. Generation includes facilities for which Southern Company owns and sells the energy to customers (i.e. excludes purchased power and leveraged leases).

Marine**(1.16.1.1) Own or control operations which use this power generation source**

Select from:

 No

(1.16.1.5) Comment

Not applicable

Other renewable

(1.16.1.1) Own or control operations which use this power generation source

Select from:

No

(1.16.1.5) Comment

Not applicable

Other non-renewable

(1.16.1.1) Own or control operations which use this power generation source

Select from:

Yes

(1.16.1.2) Nameplate capacity (MW)

124

(1.16.1.3) Gross electricity generation (GWh)

882

(1.16.1.4) Net electricity generation (GWh)

882

(1.16.1.5) Comment

Capacity of units is included based on their primary fuel type. Some units may have dual fuel capability. Generation includes facilities for which Southern Company owns and sells the energy to customers (i.e. excludes purchased power and leveraged leases). Other non-renewable includes generation from fuel cells.

Total

(1.16.1.1) Own or control operations which use this power generation source

Select from:

Yes

(1.16.1.2) Nameplate capacity (MW)

44920

(1.16.1.3) Gross electricity generation (GWh)

191559

(1.16.1.4) Net electricity generation (GWh)

185735

(1.16.1.5) Comment

Generation includes facilities for which Southern Company owns and sells the energy to customers (i.e. excludes purchased power and leveraged leases).

[Fixed row]

C6. Environmental Performance - Consolidation Approach

(6.1) Provide details on your chosen consolidation approach for the calculation of environmental performance data.

	Consolidation approach used
Climate change	Select from: <input checked="" type="checkbox"/> Equity share

[Fixed row]

C7. Environmental performance - Climate Change

(7.1) Is this your first year of reporting emissions data to CDP?

Select from:

No

(7.1.1) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?

	Has there been a structural change?
	Select all that apply <input checked="" type="checkbox"/> No

[Fixed row]

(7.1.2) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?

	Change(s) in methodology, boundary, and/or reporting year definition?
	Select all that apply <input checked="" type="checkbox"/> No

[Fixed row]

(7.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.

Select all that apply

- The Greenhouse Gas Protocol: Scope 2 Guidance
- US EPA Mandatory Greenhouse Gas Reporting Rule
- The Greenhouse Gas Protocol: Public Sector Standard
- The Climate Registry: Electric Power Sector (EPS) Protocol
- IPCC Guidelines for National Greenhouse Gas Inventories, 2006
- US EPA Emissions & Generation Resource Integrated Database (eGRID)
- The Greenhouse Gas Protocol: Corporate Value Chain (Scope 3) Standard
- The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)

- US EPA Center for Corporate Climate Leadership: Indirect Emissions From Purchased Electricity
- US EPA Center for Corporate Climate Leadership: Direct Emissions from Mobile Combustion Sources
- US EPA Center for Corporate Climate Leadership: Direct Emissions from Stationary Combustion Sources
- US EPA Center for Corporate Climate Leadership: Direct Fugitive Emissions from Refrigeration, Air Conditioning, Fire Suppression, and Industrial Gases
- Other, please specify :ONE Future Methane Intensity Protocol is used for Southern Company Gas methane intensity numbers. Gas non-GHGRP methane sources are calculated consistent with EPA GHGi.

(7.3) Describe your organization’s approach to reporting Scope 2 emissions.

(7.3.1) Scope 2, location-based

Select from:

- We are reporting a Scope 2, location-based figure

(7.3.2) Scope 2, market-based

Select from:

- We are reporting a Scope 2, market-based figure

(7.3.3) Comment

Southern Company’s Scope 2 emissions are calculated using the equity share approach presented in the WRI/WBCSD GHG Protocol Scope 2 Guidance for its owned facilities. The GHG emissions included in Scope 2 are emissions from electricity purchases for company use at company-owned locations that are located outside of Southern Company’s retail electric service territory, emissions from line losses on Southern Company’s T&D system from power purchased for resale to Southern Company’s customers, and beginning with RY2023 emissions from losses on Southern Company’s T&D system from wheeled power. The location-based calculations use regional 2022 EPA eGRID emission factors. The market-based calculations use a combination of supplier-provided emissions factors, where available, 2023 Green-e regional residual mix emission factors for CO2 and 2022 EPA eGRID emission factors for CH4 and N2O.

[Fixed row]

(7.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1, Scope 2 or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure?

Select from:

- Yes

(7.4.1) Provide details of the sources of Scope 1, Scope 2, or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure.

Row 1

(7.4.1.1) Source of excluded emissions

Scope 3 downstream transportation and distribution, processing of sold products, end-of-life treatment of sold products, downstream leased assets and franchises are excluded.

(7.4.1.2) Scope(s) or Scope 3 category(ies)

Select all that apply

- Scope 3: Downstream transportation and distribution
- Scope 3: Processing of sold products
- Scope 3: End-of-life treatment of sold products
- Scope 3: Downstream leased assets
- Scope 3: Franchises

(7.4.1.6) Relevance of Scope 3 emissions from this source

Select from:

- Emissions are not relevant

(7.4.1.9) Estimated percentage of total Scope 3 emissions this excluded source represents

1

(7.4.1.10) Explain why this source is excluded

These sources are not relevant or are not applicable to Southern Company.

(7.4.1.11) Explain how you estimated the percentage of emissions this excluded source represents

*The GHG Protocol's Scope 3 Evaluator tool was used to assess relevancy of Scope 3 categories to Southern Company's business, and these categories combined represented less than 1% of total Scope 3 emissions.
[Add row]*

(7.5) Provide your base year and base year emissions.

Scope 1

(7.5.1) Base year end

12/31/2007

(7.5.2) Base year emissions (metric tons CO₂e)

156471219

(7.5.3) Methodological details

Baseline emissions include equity owned assets for electric operations (including transmission and distribution). Gas operations baseline emissions are not available, so they are excluded from the baseline. This results in a more conservative baseline in terms of calculating progress towards our emission reduction goal.

Scope 2 (location-based)

(7.5.1) Base year end

12/31/2019

(7.5.2) Base year emissions (metric tons CO₂e)

207136.0

(7.5.3) Methodological details

Southern Company's Scope 2 emissions were calculated using the equity share approach presented in the WRI/WBCSD GHG Protocol Scope 2 Guidance for its owned facilities. The GHG emissions included in Scope 2 are emissions from electricity purchased for Company consumption at Company-owned locations that are located outside of Southern Company's retail electric service territory and line losses from Southern Company's transmission and distribution system for purchased power. The location-based calculations use regional 2018 EPA eGRID emission factors.

Scope 2 (market-based)

(7.5.1) Base year end

12/31/2019

(7.5.2) Base year emissions (metric tons CO₂e)

187584.0

(7.5.3) Methodological details

Southern Company's Scope 2 emissions were calculated using the equity share approach presented in the WRI/WBCSD GHG Protocol Scope 2 Guidance for its owned facilities. The GHG emissions included in Scope 2 are emissions from electricity purchased for Company consumption at Company-owned locations that are located outside of Southern Company's retail electric service territory and line losses from Southern Company's transmission and distribution system for purchased power. The market-based calculations use a combination of supplier-provided emission factors, where available, and regional 2018 EPA eGRID emission factors.

Scope 3 category 1: Purchased goods and services

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO₂e)

1104625.0

(7.5.3) Methodological details

Emissions from purchased goods and services were calculated using the spend-based method, using total dollars spent in each purchase category and EPA's Supply Chain Commodity emission factors.

Scope 3 category 2: Capital goods

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

1154647.0

(7.5.3) Methodological details

Emissions from capital goods were calculated using the spend-based method, using total dollars spent in each purchase category and EPA's Supply Chain Commodity emission factors.

Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

14022318.0

(7.5.3) Methodological details

Includes emissions from purchased electricity that is sold to end users and upstream emissions associated with coal, natural gas, fuel oil, and nuclear fuel purchases. Emissions calculated from the generation of purchased electricity that is sold to end users includes spot and market purchases, power purchase agreements and interchange purchases. Market-based emission factors were applied where available; EPA 2020 eGRID emission factors were applied for spot and market purchases when the generating source is unknown or where market-based emission factors are not available. Upstream emissions associated with coal purchases were calculated using supplier data where available. EPA or WRI emission factors for coal mining and transportation were applied where supplier data are not available. Upstream emissions from natural gas purchases were calculated using emission factors from a NETL paper on natural gas supply chain emissions. Upstream emissions from fuel oil purchases were calculated using dollars spent and EPA supply chain emission factors. Upstream emissions from nuclear fuel were calculated using information from the UN Lifecycle Assessment of Electricity Technologies paper.

Scope 3 category 4: Upstream transportation and distribution

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

34907.0

(7.5.3) Methodological details

Includes upstream transportation and distribution emissions associated with purchased goods calculated using the spend-based method, using total dollars spent and EPA's Supply Chain Commodity emission factors.

Scope 3 category 5: Waste generated in operations

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO₂e)

27994.0

(7.5.3) Methodological details

Average-data method outlined in the WRI/WBCSD GHG Protocol Technical Guidance for Calculating Scope 3 Emissions was used to calculate emissions for the following waste categories: mixed MSW, mixed paper, mixed metals, mixed recyclables. Emissions factors were sourced from EPA's Emission Factor Hub. Emissions associated with nuclear spent fuel management were calculated using information provided the UN Lifecycle Assessment of Electricity Technologies paper.

Scope 3 category 6: Business travel

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO₂e)

12986.0

(7.5.3) Methodological details

Includes air travel, car travel, and lodging associated with Southern Company's business travel. Emissions were calculated using the spend-based method in which EPA's supply chain emission factors for travel activities were applied to the dollars spent in each travel category.

Scope 3 category 7: Employee commuting

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO₂e)

27782.0

(7.5.3) Methodological details

Emissions from employee commuting were calculated using average employee commuting mileage and average passenger vehicle fuel economy, with EPA emission factors applied. Employee commuting data was collected based on the number of individuals badging into company locations each day of the reporting year.

Scope 3 category 8: Upstream leased assets

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

17473.0

(7.5.3) Methodological details

Includes emissions from leased mobile vehicles and aircraft calculated using EPA emission factors and electricity purchases for leased assets outside of Southern Company's retail electric service territory calculated using the WRI/WBCSD Scope 2 Protocol.

Scope 3 category 11: Use of sold products

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

18442983.0

(7.5.3) Methodological details

Includes emissions from the combustion of natural gas sold to customers, calculated using the volume of sold gas delivered to customers and combustion emission factors from EPA's Greenhouse Gas Reporting Program. Southern Company updated its calculation methodology for RY2021 to account for all Company-owned gas volumes delivered to customers (as reported through Form EIA-176), which aligns with WRI's equity share approach. Southern Company historically reported its emissions from Subpart NN of EPA's Greenhouse Gas Reporting Program; however, Subpart NN emissions do not account for natural gas sold to high volume customers nor do they account for gas sold through non-owned distribution systems. Additionally, Subpart NN includes emissions from third-party deliveries.

Scope 3 category 15: Investments

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

104.0

(7.5.3) Methodological details

*Includes emissions from Southern Company's investments, using the investment-specific method.
[Fixed row]*

(7.6) What were your organization's gross global Scope 1 emissions in metric tons CO2e?

Reporting year

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

79264124

(7.6.3) Methodological details

Southern Company's Scope 1 emissions are calculated using the equity share approach presented in the WRI/WBCSD GHG Protocol for all of its owned assets. The GHG emissions included are Scope 1 direct facility emissions that are required to be tracked by EPA's Greenhouse Gas Reporting Program (GHGRP) and calculated using methods required by the GHGRP. Additional emissions sources for the gas distribution sector are also included consistent with EPA's GHG Inventory and ONE Future. Company owned mobile vehicle emissions, fuel cell emissions and de minimis emission sources (emergency generators, natural gas purchases for comfort heating, landscape equipment, refrigerants, fire suppression equipment, and fugitive methane from hydro reservoirs, coal piles and natural gas transmission pipelines not required to be tracked under GHGRP) are also included in Scope 1.

Past year 1

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

84875100

(7.6.2) End date

12/31/2022

(7.6.3) Methodological details

Southern Company's Scope 1 emissions are calculated using the equity share approach presented in the WRI/WBCSD GHG Protocol for all of its owned assets. The GHG emissions included are Scope 1 direct facility emissions that are required to be tracked by EPA's Greenhouse Gas Reporting Program (GHGRP) and calculated using methods required by the GHGRP. Additional emissions sources for the gas distribution sector are also included consistent with EPA's GHG Inventory and ONE Future; 2021 Gas data is used as a proxy for 2022 data where 2022 data is not yet available. Company owned mobile vehicle emissions, fuel cell emissions and de minimis emission sources (emergency generators, natural gas purchases for comfort heating, landscape equipment, refrigerants, fire suppression equipment, and fugitive methane from hydro reservoirs, coal piles and natural gas transmission pipelines not required to be tracked under GHGRP) are also included in Scope 1.

Past year 2

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

82465415

(7.6.2) End date

12/31/2021

(7.6.3) Methodological details

Southern Company's Scope 1 emissions are calculated using the equity share approach presented in the WRI/WBCSD GHG Protocol for all of its owned facilities. The GHG emissions included are Scope 1 direct facility emissions that are required to be tracked by EPA's Greenhouse Gas Reporting Program (GHGRP) and calculated using methods required by the GHGRP. Additional emissions sources for the gas distribution sector are also included consistent with EPA's GHG Inventory and ONE Future; 2020 Gas data is used as a proxy for 2021 data where 2021 data is not yet available. Company owned mobile vehicle emissions, coal pile fugitive methane emissions, and fuel cell emissions are also included in Scope 1.

Past year 3

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

75111982

(7.6.2) End date

12/31/2020

(7.6.3) Methodological details

Southern Company's Scope 1 emissions are calculated using the equity share approach presented in the WRI/WBCSD GHG Protocol for all of its owned facilities. The GHG emissions included are Scope 1 direct facility emissions that are required to be tracked by EPA's GHGRP and calculated using methods required by the GHGRP. Additional emissions sources for the gas distribution sector are also included consistent with EPA's GHG Inventory and ONE Future; 2019 Gas data was used as a proxy for 2020 data where 2020 data was not available at the time 2020 was originally reported. Company owned mobile vehicle emissions, coal pile fugitive methane emissions, and fuel cell emissions are also included in Scope 1.

Past year 4

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

88193823

(7.6.2) End date

12/31/2019

(7.6.3) Methodological details

Southern Company's Scope 1 emissions are calculated using the equity share approach presented in the WRI/WBCSD GHG Protocol for all of its owned facilities. The GHG emissions included are Scope 1 direct facility emissions that are required to be tracked by EPA's GHGRP and calculated using methods required by the GHGRP. Additional emissions sources for the gas distribution sector are also included consistent with EPA's GHG Inventory and ONE Future. Company owned mobile vehicle emissions are also included in Scope 1.

Past year 5

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

102602355

(7.6.2) End date

12/31/2018

(7.6.3) Methodological details

Southern Company's GHG Scope 1 emissions are calculated using the equity share approach presented in the WRI/WBCSD GHG Protocol for all of its owned facilities. The GHG emissions included are Scope 1 direct facility emissions that are required to be tracked by EPA's GHGRP and calculated using methods required by the GHGRP. Additional emissions sources for the gas distribution sector are also included consistent with EPA's GHG Inventory and ONE Future.

[Fixed row]

(7.7) What were your organization's gross global Scope 2 emissions in metric tons CO2e?

Reporting year

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

306474

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

280610

(7.7.4) Methodological details

Southern Company's Scope 2 emissions are calculated using the equity share approach presented in the WRI/WBCSD GHG Protocol Scope 2 Guidance for its owned facilities. The GHG emissions included in Scope 2 are emissions from electricity purchases for company use at company-owned locations that are located outside of Southern Company's retail electric service territory, emissions from line losses on Southern Company's T&D system from power purchased for resale to Southern Company's customers, and beginning with RY2023 emissions from losses on Southern Company's T&D system from wheeled power. The location-based calculations use regional 2022 EPA eGRID emission factors. The market-based calculations use a combination of supplier-provided emissions factors, where available, 2023 Green-e regional residual mix emission factors for CO2 and 2022 EPA eGRID emission factors for CH4 and N2O.

Past year 1

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

236359

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

216450

(7.7.3) End date

12/31/2022

(7.7.4) Methodological details

Southern Company's Scope 2 emissions are calculated using the equity share approach presented in the WRI/WBCSD GHG Protocol Scope 2 Guidance for its owned facilities. The GHG emissions included in Scope 2 are emissions from electricity purchases for company use at company-owned locations that are located outside of Southern Company's retail electric service territory, and emissions from line losses on Southern Company's T&D system from power purchased for resale to Southern Company's customers. The location-based calculations use regional 2021 EPA eGRID emission factors. The market-based calculations use a combination of supplier-provided emissions factors, where available, 2022 Green-e regional residual mix emission factors for CO₂ and 2021 EPA eGRID emission factors for CH₄ and N₂O.

Past year 2

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO₂e)

174095

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO₂e) (if applicable)

167119

(7.7.3) End date

12/31/2021

(7.7.4) Methodological details

Southern Company's Scope 2 emissions are calculated using the equity share approach presented in the WRI/WBCSD GHG Protocol Scope 2 Guidance for its owned facilities. The GHG emissions included in Scope 2 are emissions from electricity purchases for company use at company-owned locations that are located outside of Southern Company's retail electric service territory, and emissions from line losses on Southern Company's T&D system from power purchased for resale to Southern Company's customers. The location-based calculations use regional 2020 EPA eGRID emission factors. The market-based calculations use a combination of supplier-provided emissions factors, where available, 2021 Green-e regional residual mix emission factors for CO₂ and 2020 EPA eGRID emission factors for CH₄ and N₂O.

Past year 3

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO₂e)

204605

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO₂e) (if applicable)

167875

(7.7.3) End date

12/31/2020

(7.7.4) Methodological details

Southern Company's Scope 2 emissions are calculated using the equity share approach presented in the WRI/WBCSD GHG Protocol Scope 2 Guidance for its owned facilities. The GHG emissions included in Scope 2 are emissions from electricity purchases for company use at company-owned locations that are located outside of Southern Company's retail electric service territory, and emissions from line losses on Southern Company's T&D system from power purchased for resale to Southern Company's customers. The location-based calculations use regional 2019 EPA eGRID emission factors. The market-based calculations use a combination of supplier-provided emissions factors, where available, and regional 2019 EPA eGRID emission factors.

Past year 4

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

207136

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

187584

(7.7.3) End date

12/31/2019

(7.7.4) Methodological details

Southern Company's Scope 2 emissions are calculated using the equity share approach presented in the WRI/WBCSD GHG Protocol Scope 2 Guidance for its owned facilities. The GHG emissions included in Scope 2 are emissions from electricity purchases for company use at company-owned locations that are located outside of Southern Company's retail electric service territory, and emissions from line losses on Southern Company's T&D system from power purchased for resale to Southern Company's customers. The location-based calculations use regional 2018 EPA eGRID emission factors. The market-based calculations use a combination of supplier-provided emissions factors, where available, and regional 2018 EPA eGRID emission factors.

[Fixed row]

(7.8) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

(7.8.1) Evaluation status

Select from:

Not relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

1587125

(7.8.3) Emissions calculation methodology

Select all that apply

Spend-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

Emissions from purchased goods and services are calculated using the spend-based method, using total dollars spent in each purchase category and EPA's Supply Chain Commodity emission factors.

Capital goods

(7.8.1) Evaluation status

Select from:

Not relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

1251312

(7.8.3) Emissions calculation methodology

Select all that apply

Spend-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

Emissions from capital goods are calculated using the spend-based method, using total dollars spent in each purchase category and EPA's Supply Chain Commodity emission factors.

Fuel-and-energy-related activities (not included in Scope 1 or 2)

(7.8.1) Evaluation status

Select from:

Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

15272384

(7.8.3) Emissions calculation methodology

Select all that apply

- Supplier-specific method
- Average data method
- Spend-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

15

(7.8.5) Please explain

Includes emissions from purchased electricity that is sold to end users and upstream emissions associated with coal, natural gas, fuel oil, and nuclear fuel purchases. Also includes upstream emissions for purchased electricity. Emissions calculated from the generation of purchased electricity that is sold to end users includes spot and market purchases, power purchase agreements and interchange purchases. Market-based emission factors are applied where available; EPA 2021 eGRID emission factors are applied for spot and market purchases when the generating source is unknown or where market-based emission factors are not available. Upstream emissions associated with coal purchases are calculated using supplier data where available. EPA or WRI emission factors for coal mining and transportation are applied where supplier data are not available. Upstream emissions from natural gas purchases are calculated using emission factors from a NETL paper on natural gas supply chain emissions. Upstream emissions from fuel oil purchases are calculated using dollars spent and EPA supply chain emission factors. Upstream emissions from nuclear fuel are calculated using information from the UN Lifecycle Assessment of Electricity Technologies paper.

Upstream transportation and distribution

(7.8.1) Evaluation status

Select from:

- Not relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

29392

(7.8.3) Emissions calculation methodology

Select all that apply

- Spend-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

Includes upstream transportation and distribution emissions associated with purchased goods calculated using the spend-based method, using total dollars spent and EPA's Supply Chain Commodity emission factors.

Waste generated in operations

(7.8.1) Evaluation status

Select from:

Not relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

237691

(7.8.3) Emissions calculation methodology

Select all that apply

Average data method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

Average-data method outlined in the WRI/WBCSD GHG Protocol Technical Guidance for Calculating Scope 3 Emissions is used to calculate emissions for the following waste categories: mixed MSW, mixed paper, mixed metals, mixed recyclables, and wastewater. Emissions factors are sourced from EPA's Emission Factor Hub and UK DEFRA (2022). Emissions associated with nuclear spent fuel management are calculated using information provided the UN Lifecycle Assessment of Electricity Technologies paper.

Business travel

(7.8.1) Evaluation status

Select from:

Not relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

24030

(7.8.3) Emissions calculation methodology

Select all that apply

Spend-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

Includes air travel, car travel, and lodging associated with Southern Company's business travel. Emissions were calculated using the spend-based method in which EPA's supply chain emission factors for travel activities were applied to the dollars spent in each travel category.

Employee commuting

(7.8.1) Evaluation status

Select from:

Not relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

38139

(7.8.3) Emissions calculation methodology

Select all that apply

Average data method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

Emissions from employee commuting are calculated using average employee commuting mileage and average passenger vehicle fuel economy, with EPA emission factors applied. Employee commuting data is collected based on the number of individuals badging into company locations each day of the reporting year.

Upstream leased assets

(7.8.1) Evaluation status

Select from:

Not relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

14682

(7.8.3) Emissions calculation methodology

Select all that apply

Asset-specific method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

(7.8.5) Please explain

Includes emissions from leased mobile vehicles and aircraft calculated using EPA emission factors and electricity purchases for leased assets outside of Southern Company's retail electric service territory calculated using the WRI/WBCSD Scope 2 Protocol.

Downstream transportation and distribution

(7.8.1) Evaluation status

Select from:

Not relevant, explanation provided

(7.8.5) Please explain

No relevant emissions from downstream transportation and distribution.

Processing of sold products

(7.8.1) Evaluation status

Select from:

Not relevant, explanation provided

(7.8.5) Please explain

Electricity is not processed by customers, and emissions from gas distribution are included in Use of Sold Products.

Use of sold products

(7.8.1) Evaluation status

Select from:

Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO₂e)

17364111

(7.8.3) Emissions calculation methodology

Select all that apply

Methodology for direct use phase emissions, please specify :Direct use phase emissions from fuels and feedstocks

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

Includes emissions from the combustion of natural gas sold to customers, calculated using the volume of sold gas delivered to customers and combustion emission factors from EPA's Greenhouse Gas Reporting Program. Southern Company updated its calculation methodology beginning with RY2021 to account for all Company-owned gas volumes delivered to customers (as reported through Form EIA-176), which aligns with WRI's equity share approach. Southern Company historically reported its emissions from Subpart NN of EPA's Greenhouse Gas Reporting Program; however, Subpart NN emissions do not account for natural gas sold to high volume customers nor do they account for gas sold through non-owned distribution systems. Additionally, Subpart NN includes emissions from third-party deliveries.

End of life treatment of sold products

(7.8.1) Evaluation status

Select from:

Not relevant, explanation provided

(7.8.5) Please explain

Electricity and natural gas require no end of life treatment.

Downstream leased assets

(7.8.1) Evaluation status

Select from:

Not relevant, explanation provided

(7.8.5) Please explain

There are no downstream emissions from Southern Company's leased assets.

Franchises

(7.8.1) Evaluation status

Select from:

Not relevant, explanation provided

(7.8.5) Please explain

Southern Company does not own any franchises.

Investments

(7.8.1) Evaluation status

Select from:

Not relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

(7.8.3) Emissions calculation methodology

Select all that apply

Investment-specific method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

(7.8.5) Please explain

Includes emissions from Southern Company's investments, using the investment-specific method.

Other (upstream)**(7.8.1) Evaluation status**

Select from:

Not relevant, explanation provided

(7.8.5) Please explain

No other relevant upstream emissions.

Other (downstream)**(7.8.1) Evaluation status**

Select from:

Not relevant, explanation provided

(7.8.5) Please explain

No other relevant downstream emissions.

[Fixed row]

(7.8.1) Disclose or restate your Scope 3 emissions data for previous years.**Past year 1****(7.8.1.1) End date**

12/31/2022

(7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)

1281989

(7.8.1.3) Scope 3: Capital goods (metric tons CO2e)

968876

(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

15903331

(7.8.1.5) Scope 3: Upstream transportation and distribution (metric tons CO2e)

30749

(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)

24956

(7.8.1.7) Scope 3: Business travel (metric tons CO2e)

19661

(7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)

33128

(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)

16296

(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)

20238687

(7.8.1.16) Scope 3: Investments (metric tons CO2e)

127

(7.8.1.19) Comment

RY2022 Fuel and Energy-Related Activities included emissions from power purchased for resale to customers, as well as upstream emissions from fuel purchases (coal, natural gas, oil and nuclear fuel). For Scope 3 Use of Sold Products, Southern Company updated its calculation methodology beginning with RY2021 to account for all Company-owned gas volumes delivered to customers (as reported through Form EIA-176), which aligns with WRI's equity share approach. Southern Company historically reported its emissions from Subpart NN of EPA's Greenhouse Gas Reporting Program; however, Subpart NN emissions do not account for natural gas sold to high volume customers nor do they account for gas sold through non-owned distribution systems. Additionally, Subpart NN includes emissions from third-party deliveries.

Past year 2

(7.8.1.1) End date

12/31/2021

(7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)

1104625

(7.8.1.3) Scope 3: Capital goods (metric tons CO2e)

1154647

(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

14022318

(7.8.1.5) Scope 3: Upstream transportation and distribution (metric tons CO2e)

34907

(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)

27994

(7.8.1.7) Scope 3: Business travel (metric tons CO2e)

12986

(7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)

27782

(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)

17473

(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)

18442983

(7.8.1.16) Scope 3: Investments (metric tons CO2e)

104

(7.8.1.19) Comment

RY2021 Fuel and Energy-Related Activities included emissions from power purchased for resale to customers, as well as upstream emissions from fuel purchases (coal, natural gas, oil and nuclear fuel). For Scope 3 Use of Sold Products, Southern Company updated its calculation methodology beginning with RY2021 to account for all Company-owned gas volumes delivered to customers (as reported through Form EIA-176), which aligns with WRI's equity share approach. Southern Company historically reported its emissions from Subpart NN of EPA's Greenhouse Gas Reporting Program; however, Subpart NN emissions do not account for natural gas sold to high volume customers nor do they account for gas sold through non-owned distribution systems. Additionally, Subpart NN includes emissions from third-party deliveries.

Past year 3

(7.8.1.1) End date

12/31/2020

(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

4310932

(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)

11689

(7.8.1.7) Scope 3: Business travel (metric tons CO2e)

4344

(7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)

28013

(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)

15229

(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)

32244494

(7.8.1.19) Comment

RY2020 Fuel and Energy-Related Activities included emissions from power purchased for resale to customers, as well as upstream emissions from coal purchases. For Scope 3 Use of Sold Products, Southern Company updated its calculation methodology beginning with RY2021 to account for all Company-owned gas volumes delivered to customers (as reported through Form EIA-176), which aligns with WRI's equity share approach. Southern Company historically reported its emissions from Subpart NN of EPA's Greenhouse Gas Reporting Program; however, Subpart NN emissions do not account for natural gas sold to high volume customers nor do they account for gas sold through non-owned distribution systems. Additionally, Subpart NN includes emissions from third-party deliveries.

Past year 4

(7.8.1.1) End date

12/31/2019

(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

3423778

(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)

(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)

35260791

(7.8.1.19) Comment

RY2019 Fuel and Energy-Related Activities included emissions from power purchased for resale to customers. For Scope 3 Use of Sold Products, Southern Company updated its calculation methodology beginning with RY2021 to account for all Company-owned gas volumes delivered to customers (as reported through Form EIA-176), which aligns with WRI's equity share approach. Southern Company historically reported its emissions from Subpart NN of EPA's Greenhouse Gas Reporting Program; however, Subpart NN emissions do not account for natural gas sold to high volume customers nor do they account for gas sold through non-owned distribution systems. Additionally, Subpart NN includes emissions from third-party deliveries.

Past year 5**(7.8.1.1) End date**

12/31/2018

(7.8.1.4) Scope 3: Fuel and energy -related activities (not included in Scopes 1 or 2) (metric tons CO2e)

2142130

(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)

37299499

(7.8.1.19) Comment

For the RY2018 CDP Report, Scope 3 Fuel and Energy-Related Activities were incorrectly reported as Scope 2 emissions rather than Scope 3. RY2018 Fuel and Energy-Related Activities included emissions from power purchased for resale to customers. For Scope 3 Use of Sold Products, Southern Company updated its calculation methodology beginning with RY2021 to account for all Company-owned gas volumes delivered to customers (as reported through Form EIA-176), which aligns with WRI's equity share approach. Southern Company historically reported its emissions from Subpart NN of EPA's Greenhouse Gas Reporting Program; however, Subpart NN emissions do not account for natural gas sold to high volume customers nor do they account for gas sold through non-owned distribution systems. Additionally, Subpart NN includes emissions from third-party deliveries.
 [Fixed row]

(7.9) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	Select from: <input checked="" type="checkbox"/> Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	Select from: <input checked="" type="checkbox"/> Third-party verification or assurance process in place
Scope 3	Select from: <input checked="" type="checkbox"/> No third-party verification or assurance

[Fixed row]

(7.9.1) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.

Row 1

(7.9.1.1) Verification or assurance cycle in place

Select from:

- Annual process

(7.9.1.2) Status in the current reporting year

Select from:

- Complete

(7.9.1.3) Type of verification or assurance

Select from:

- Limited assurance

(7.9.1.6) Relevant standard

Select from:

- Attestation standards established by AICPA (AT105)

(7.9.1.7) Proportion of reported emissions verified (%)

100

[Add row]

(7.9.2) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Row 1

(7.9.2.1) Scope 2 approach

Select from:

- Scope 2 location-based

(7.9.2.2) Verification or assurance cycle in place

Select from:

- Annual process

(7.9.2.3) Status in the current reporting year

Select from:

- Complete

(7.9.2.4) Type of verification or assurance

Select from:

- Limited assurance

(7.9.2.7) Relevant standard

Select from:

- Attestation standards established by AICPA (AT105)

(7.9.2.8) Proportion of reported emissions verified (%)

100

Row 2

(7.9.2.1) Scope 2 approach

Select from:

- Scope 2 market-based

(7.9.2.2) Verification or assurance cycle in place

Select from:

- Annual process

(7.9.2.3) Status in the current reporting year

Select from:

- Complete

(7.9.2.4) Type of verification or assurance

Select from:

Limited assurance

(7.9.2.7) Relevant standard

Select from:

Attestation standards established by AICPA (AT105)

(7.9.2.8) Proportion of reported emissions verified (%)

100

[Add row]

(7.10) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?

Select from:

Decreased

(7.10.2) Are your emissions performance calculations in 7.10 and 7.10.1 based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?

Select from:

Market-based

(7.12) Are carbon dioxide emissions from biogenic carbon relevant to your organization?

Select from:

Yes

(7.12.1) Provide the emissions from biogenic carbon relevant to your organization in metric tons CO2.

	CO2 emissions from biogenic carbon (metric tons CO2)	Comment
	4732	Biogenic carbon emissions associated with ethanol consumption in company-owned mobile vehicles

[Fixed row]

(7.15) Does your organization break down its Scope 1 emissions by greenhouse gas type?

Select from:

Yes

(7.15.1) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used global warming potential (GWP).

Row 1

(7.15.1.1) Greenhouse gas

Select from:

CO2

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

77646767

(7.15.1.3) GWP Reference

Select from:

IPCC Fourth Assessment Report (AR4 - 100 year)

Row 2

(7.15.1.1) Greenhouse gas

Select from:

CH4

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

1364701

(7.15.1.3) GWP Reference

Select from:

IPCC Fourth Assessment Report (AR4 - 100 year)

Row 3

(7.15.1.1) Greenhouse gas

Select from:

N2O

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

207012

(7.15.1.3) GWP Reference

Select from:

IPCC Fourth Assessment Report (AR4 - 100 year)

Row 4

(7.15.1.1) Greenhouse gas

Select from:

HFCs

(7.15.1.2) Scope 1 emissions (metric tons of CO₂e)

18595

(7.15.1.3) GWP Reference

Select from:

IPCC Fourth Assessment Report (AR4 - 100 year)

Row 5

(7.15.1.1) Greenhouse gas

Select from:

SF₆

(7.15.1.2) Scope 1 emissions (metric tons of CO₂e)

27049

(7.15.1.3) GWP Reference

Select from:

IPCC Fourth Assessment Report (AR4 - 100 year)

[Add row]

(7.16) Break down your total gross global Scope 1 and 2 emissions by country/area.

	Scope 1 emissions (metric tons CO ₂ e)
United States of America	79264124

[Fixed row]

(7.17) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.

Select all that apply

- By business division
- By facility
- By activity

(7.17.1) Break down your total gross global Scope 1 emissions by business division.

Row 1

(7.17.1.1) Business division

Alabama Power Company

(7.17.1.2) Scope 1 emissions (metric ton CO2e)

27205030

Row 2

(7.17.1.1) Business division

Georgia Power Company

(7.17.1.2) Scope 1 emissions (metric ton CO2e)

23195304

Row 3

(7.17.1.1) Business division

Mississippi Power Company

(7.17.1.2) Scope 1 emissions (metric ton CO2e)

9261064

Row 4

(7.17.1.1) Business division

Southern Electric Generating Company

(7.17.1.2) Scope 1 emissions (metric ton CO2e)

918931

Row 5

(7.17.1.1) Business division

Southern Power Company

(7.17.1.2) Scope 1 emissions (metric ton CO2e)

13285200

Row 6

(7.17.1.1) Business division

Transmission and Distribution

(7.17.1.2) Scope 1 emissions (metric ton CO2e)

26720

Row 7

(7.17.1.1) Business division

PowerSecure, Inc.

(7.17.1.2) Scope 1 emissions (metric ton CO2e)

271357

Row 8

(7.17.1.1) Business division

Southern Company Gas

(7.17.1.2) Scope 1 emissions (metric ton CO2e)

1576496

Row 9

(7.17.1.1) Business division

Leverage Lease/Southern Company Finance

(7.17.1.2) Scope 1 emissions (metric ton CO2e)

3159041

Row 10

(7.17.1.1) Business division

Mobile Fleet

(7.17.1.2) Scope 1 emissions (metric ton CO2e)

118431

Row 11

(7.17.1.1) Business division

Southern Nuclear Operating Company, Inc.

(7.17.1.2) Scope 1 emissions (metric ton CO2e)

4613

Row 12

(7.17.1.1) Business division

De Minimis Sources

(7.17.1.2) Scope 1 emissions (metric ton CO2e)

241938

[Add row]

(7.17.2) Break down your total gross global Scope 1 emissions by business facility.

Row 1

(7.17.2.1) Facility

Barry

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

5250646

(7.17.2.3) Latitude

31.0069

(7.17.2.4) Longitude

-88.0103

Row 2

(7.17.2.1) Facility

Calhoun

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

26959

(7.17.2.3) Latitude

33.58856

(7.17.2.4) Longitude

-85.97312

Row 3

(7.17.2.1) Facility

Central Alabama

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1918313

(7.17.2.3) Latitude

32.69699

(7.17.2.4) Longitude

-86.73107

Row 4

(7.17.2.1) Facility

Gaston

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

2077098

(7.17.2.3) Latitude

33.2442

(7.17.2.4) Longitude

-86.4567

Row 5

(7.17.2.1) Facility

Gadsden

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

(7.17.2.3) Latitude

34.0128

(7.17.2.4) Longitude

-85.9708

Row 6

(7.17.2.1) Facility

Greene County

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

801003

(7.17.2.3) Latitude

32.6017

(7.17.2.4) Longitude

-87.7811

Row 7

(7.17.2.1) Facility

SABIC

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

347805

(7.17.2.3) Latitude

32.3102

(7.17.2.4) Longitude

-86.5242

Row 8

(7.17.2.1) Facility

Miller

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

15882801

(7.17.2.3) Latitude

33.6319

(7.17.2.4) Longitude

-87.0597

Row 9

(7.17.2.1) Facility

Theodore

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

748924

(7.17.2.3) Latitude

30.5248

(7.17.2.4) Longitude

-88.1289

Row 10

(7.17.2.1) Facility

Washington County

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

442378

(7.17.2.3) Latitude

31.2622

(7.17.2.4) Longitude

-88.0052

Row 11

(7.17.2.1) Facility

Colonnade

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

(7.17.2.3) Latitude

33.44046

(7.17.2.4) Longitude

-86.72758

Row 12

(7.17.2.1) Facility

Reynold's Landing

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

5

(7.17.2.3) Latitude

33.39879

(7.17.2.4) Longitude

-86.88361

Row 13

(7.17.2.1) Facility

Cyberdyne

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

20

(7.17.2.3) Latitude

33.40624

(7.17.2.4) Longitude

-86.91465

Row 14

(7.17.2.1) Facility

SEGCO

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

918931

(7.17.2.3) Latitude

33.2442

(7.17.2.4) Longitude

-86.4567

Row 15

(7.17.2.1) Facility

Bowen

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

10223192

(7.17.2.3) Latitude

34.1256

(7.17.2.4) Longitude

-84.9192

Row 16

(7.17.2.1) Facility

McDonough

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

6468270

(7.17.2.3) Latitude

33.8244

(7.17.2.4) Longitude

-84.475

Row 17

(7.17.2.1) Facility

McIntosh

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

19304

(7.17.2.3) Latitude

32.3558

(7.17.2.4) Longitude

-81.1683

Row 18

(7.17.2.1) Facility

McIntosh CC

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

3478992

(7.17.2.3) Latitude

32.3478

(7.17.2.4) Longitude

-81.1828

Row 19

(7.17.2.1) Facility

McManus

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

2424

(7.17.2.3) Latitude

31.2125

(7.17.2.4) Longitude

-81.5458

Row 20

(7.17.2.1) Facility

Robins

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

847

(7.17.2.3) Latitude

32.5806

(7.17.2.4) Longitude

-83.5831

Row 21

(7.17.2.1) Facility

Scherer

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1665663

(7.17.2.3) Latitude

33.0583

(7.17.2.4) Longitude

-83.8072

Row 22

(7.17.2.1) Facility

Wansley

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

158

(7.17.2.3) Latitude

33.4124

(7.17.2.4) Longitude

-85.0345

Row 23

(7.17.2.1) Facility

Yates

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1306894

(7.17.2.3) Latitude

33.4622

(7.17.2.4) Longitude

-84.8986

Row 24

(7.17.2.1) Facility

GT Microgrid

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

5

(7.17.2.3) Latitude

33.85578

(7.17.2.4) Longitude

-84.37977

Row 25

(7.17.2.1) Facility

Airport

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

175

(7.17.2.3) Latitude

33.64088

(7.17.2.4) Longitude

-84.42773

Row 26

(7.17.2.1) Facility

Monroe PPA

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

29378

(7.17.2.3) Latitude

33.80851

(7.17.2.4) Longitude

-83.69659

Row 27

(7.17.2.1) Facility

Daniel

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

4936687

(7.17.2.3) Latitude

30.5335

(7.17.2.4) Longitude

-88.5574

Row 28

(7.17.2.1) Facility

Watson

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1839378

(7.17.2.3) Latitude

30.4408

(7.17.2.4) Longitude

-89.0265

Row 29

(7.17.2.1) Facility

Chevron

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

792219

(7.17.2.3) Latitude

30.34

(7.17.2.4) Longitude

-88.492

Row 30

(7.17.2.1) Facility

Ratcliffe

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1401440

(7.17.2.3) Latitude

32.6538

(7.17.2.4) Longitude

-88.7574

Row 31

(7.17.2.1) Facility

Sweatt

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

400

(7.17.2.3) Latitude

32.2925

(7.17.2.4) Longitude

-88.7461

Row 32

(7.17.2.1) Facility

Addison

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

122187

(7.17.2.3) Latitude

32.911

(7.17.2.4) Longitude

-84.3059

Row 33

(7.17.2.1) Facility

Cleveland County

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

356229

(7.17.2.3) Latitude

35.1706

(7.17.2.4) Longitude

-81.4161

Row 34

(7.17.2.1) Facility

Dahlberg

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

170711

(7.17.2.3) Latitude

34.0386

(7.17.2.4) Longitude

-83.3972

Row 35

(7.17.2.1) Facility

Franklin

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

5078423

(7.17.2.3) Latitude

32.6094

(7.17.2.4) Longitude

-85.0961

Row 36

(7.17.2.1) Facility

Harris

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

2420045

(7.17.2.3) Latitude

32.3814

(7.17.2.4) Longitude

-86.5736

Row 37

(7.17.2.1) Facility

Rowan

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1676213

(7.17.2.3) Latitude

35.7325

(7.17.2.4) Longitude

-80.6019

Row 38

(7.17.2.1) Facility

Wansley CC

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

3388644

(7.17.2.3) Latitude

33.4063

(7.17.2.4) Longitude

-85.0373

Row 39

(7.17.2.1) Facility

Red Lion

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

65872

(7.17.2.3) Latitude

39.61197

(7.17.2.4) Longitude

-75.62636

Row 40

(7.17.2.1) Facility

Brookside

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

6876

(7.17.2.3) Latitude

39.65929

(7.17.2.4) Longitude

-75.74356

Row 41

(7.17.2.1) Facility

Wilson

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

4613

(7.17.2.3) Latitude

33.12602

(7.17.2.4) Longitude

-81.75476

Row 42

(7.17.2.1) Facility

PowerSecure

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

271357

(7.17.2.3) Latitude

35.952038

(7.17.2.4) Longitude

-78.515633

Row 43

(7.17.2.1) Facility

Red Hills

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

3159041

(7.17.2.3) Latitude

33.3825

(7.17.2.4) Longitude

-89.219444

Row 44

(7.17.2.1) Facility

Ancona (NIC-ANC)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

35129

(7.17.2.3) Latitude

41.040833

(7.17.2.4) Longitude

-88.918333

Row 45

(7.17.2.1) Facility

Troy Grove (NIC-TG)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

22481

(7.17.2.3) Latitude

41.457778

(7.17.2.4) Longitude

-89.143611

Row 46

(7.17.2.1) Facility

Nicor Gas (LDC)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

399423

(7.17.2.3) Latitude

41.812222

(7.17.2.4) Longitude

-88.2075

Row 47

(7.17.2.1) Facility

Atlanta Gas Light Company (AGLC)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

367912

(7.17.2.3) Latitude

33.79

(7.17.2.4) Longitude

-84.39083

Row 48

(7.17.2.1) Facility

Chattanooga Gas Company (CGC)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

20885

(7.17.2.3) Latitude

35.050556

(7.17.2.4) Longitude

-85.185

Row 49

(7.17.2.1) Facility

Cherokee LNG (CHK)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

22505

(7.17.2.3) Latitude

34.268611

(7.17.2.4) Longitude

-84.361111

Row 50

(7.17.2.1) Facility

Macon LNG (MAC)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

19635

(7.17.2.3) Latitude

32.905

(7.17.2.4) Longitude

-83.523055

Row 51

(7.17.2.1) Facility

Virginia Natural Gas (VNG)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

88283

(7.17.2.3) Latitude

36.855556

(7.17.2.4) Longitude

-76.3

Row 52

(7.17.2.1) Facility

Central Valley Gas Storage, L.L.C. (CVGS)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

3002

(7.17.2.3) Latitude

39.389785

(7.17.2.4) Longitude

-122.032304

Row 53

(7.17.2.1) Facility

Riverdale LNG (RVD)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

13682

(7.17.2.3) Latitude

33.542062

(7.17.2.4) Longitude

-84.416495

Row 54

(7.17.2.1) Facility

Chattanooga (CHATT)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

5386

(7.17.2.3) Latitude

35.050556

(7.17.2.4) Longitude

-85.185

Row 55

(7.17.2.1) Facility

Renewco Meadow Branch Landfill (RMBL)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

449

(7.17.2.3) Latitude

35.48554

(7.17.2.4) Longitude

-84.67981

Row 56

(7.17.2.1) Facility

Hudson Storage (NHUD)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

14442

(7.17.2.3) Latitude

40.593889

(7.17.2.4) Longitude

-88.946666

Row 57

(7.17.2.1) Facility

Bloomington Storage (NBLM)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

11728

(7.17.2.3) Latitude

40.686667

(7.17.2.4) Longitude

-88.919722

Row 58

(7.17.2.1) Facility

Lexington Storage (NLEX)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

9626

(7.17.2.3) Latitude

40.631111

(7.17.2.4) Longitude

-88.838611

Row 59

(7.17.2.1) Facility

Pontiac Storage (NPON)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

12363

(7.17.2.3) Latitude

40.866667

(7.17.2.4) Longitude

-88.5475

Row 60

(7.17.2.1) Facility

Pecatonica Storage (NPEC)

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

4501

(7.17.2.3) Latitude

42.294209

(7.17.2.4) Longitude

-89.324395

Row 61

(7.17.2.1) Facility

Albany CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

3917

(7.17.2.3) Latitude

31.451667

(7.17.2.4) Longitude

-84.1425

Row 62

(7.17.2.1) Facility

Auburn CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

19456

(7.17.2.3) Latitude

32.523611

(7.17.2.4) Longitude

-85.473611

Row 63

(7.17.2.1) Facility

Bay Springs CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

33309

(7.17.2.3) Latitude

31.959722

(7.17.2.4) Longitude

-89.321944

Row 64

(7.17.2.1) Facility

Bear Creek Storage Co.

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

8988

(7.17.2.3) Latitude

31.736667

(7.17.2.4) Longitude

-93.062777

Row 65

(7.17.2.1) Facility

Bell Mills CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

4286

(7.17.2.3) Latitude

33.64025

(7.17.2.4) Longitude

-85.44957

Row 66

(7.17.2.1) Facility

Bienville CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

5251

(7.17.2.3) Latitude

32.304722

(7.17.2.4) Longitude

-93.057777

Row 67

(7.17.2.1) Facility

Brookman CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

722

(7.17.2.3) Latitude

31.21127

(7.17.2.4) Longitude

-81.70052

Row 68

(7.17.2.1) Facility

Colonial Brookwood Center

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

30

(7.17.2.3) Latitude

33.47061

(7.17.2.4) Longitude

-86.77107

Row 69

(7.17.2.1) Facility

DeArmanville CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

6687

(7.17.2.3) Latitude

33.621388

(7.17.2.4) Longitude

-85.785833

Row 70

(7.17.2.1) Facility

Duncanville CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

734

(7.17.2.3) Latitude

33.07819

(7.17.2.4) Longitude

-87.47206

Row 71

(7.17.2.1) Facility

Ellerslie CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

8814

(7.17.2.3) Latitude

32.619167

(7.17.2.4) Longitude

-84.825555

Row 72

(7.17.2.1) Facility

Elmore CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

5376

(7.17.2.3) Latitude

32.521944

(7.17.2.4) Longitude

-86.326666

Row 73

(7.17.2.1) Facility

Enterprise CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

47177

(7.17.2.3) Latitude

32.158333

(7.17.2.4) Longitude

-88.846944

Row 74

(7.17.2.1) Facility

Fairburn CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1442

(7.17.2.3) Latitude

33.55506

(7.17.2.4) Longitude

-84.5027

Row 75

(7.17.2.1) Facility

Franklinton CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

14896

(7.17.2.3) Latitude

30.817777

(7.17.2.4) Longitude

-90.186666

Row 76

(7.17.2.1) Facility

Gallion CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

6213

(7.17.2.3) Latitude

32.505833

(7.17.2.4) Longitude

-87.726666

Row 77

(7.17.2.1) Facility

Gwinville CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

31672

(7.17.2.3) Latitude

31.740556

(7.17.2.4) Longitude

-90.055555

Row 78

(7.17.2.1) Facility

Hall Gate CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

16439

(7.17.2.3) Latitude

33.064167

(7.17.2.4) Longitude

-83.052222

Row 79

(7.17.2.1) Facility

Hilliard Compressor Station

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

4579

(7.17.2.3) Latitude

30.51163

(7.17.2.4) Longitude

-81.94442

Row 80

(7.17.2.1) Facility

Holy Trinity CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

3477

(7.17.2.3) Latitude

32.21026

(7.17.2.4) Longitude

-85.00087

Row 81

(7.17.2.1) Facility

Lacombe CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

739

(7.17.2.3) Latitude

30.3686

(7.17.2.4) Longitude

-89.934

Row 82

(7.17.2.1) Facility

Logansport CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

619

(7.17.2.3) Latitude

31.98003

(7.17.2.4) Longitude

-93.94417

Row 83

(7.17.2.1) Facility

Louisville CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

9511

(7.17.2.3) Latitude

33.133889

(7.17.2.4) Longitude

-89.070277

Row 84

(7.17.2.1) Facility

McConnells CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1890

(7.17.2.3) Latitude

33.427

(7.17.2.4) Longitude

-87.71622

Row 85

(7.17.2.1) Facility

Muldon Storage

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

16188

(7.17.2.3) Latitude

33.753056

(7.17.2.4) Longitude

-88.668055

Row 86

(7.17.2.1) Facility

Ocmulgee CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

31201

(7.17.2.3) Latitude

32.937778

(7.17.2.4) Longitude

-83.721111

Row 87

(7.17.2.1) Facility

Onward MS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

2819

(7.17.2.3) Latitude

32.71629

(7.17.2.4) Longitude

-90.94066

Row 88

(7.17.2.1) Facility

Pavo CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1238

(7.17.2.3) Latitude

30.98949

(7.17.2.4) Longitude

-83.65539

Row 89

(7.17.2.1) Facility

Pearl River CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

6699

(7.17.2.3) Latitude

31.316944

(7.17.2.4) Longitude

-90.045277

Row 90

(7.17.2.1) Facility

Pell City CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

648

(7.17.2.3) Latitude

33.60188

(7.17.2.4) Longitude

-86.25405

Row 91

(7.17.2.1) Facility

Pickens CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

7370

(7.17.2.3) Latitude

32.87817

(7.17.2.4) Longitude

-89.97167

Row 92

(7.17.2.1) Facility

Providence CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1391

(7.17.2.3) Latitude

33.43905

(7.17.2.4) Longitude

-87.30378

Row 93

(7.17.2.1) Facility

Rankin CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

7665

(7.17.2.3) Latitude

32.28916

(7.17.2.4) Longitude

-89.91333

Row 94

(7.17.2.1) Facility

Reform CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

7623

(7.17.2.3) Latitude

33.366111

(7.17.2.4) Longitude

-88.018888

Row 95

(7.17.2.1) Facility

Riceboro CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

5948

(7.17.2.3) Latitude

31.75279

(7.17.2.4) Longitude

-81.51601

Row 96

(7.17.2.1) Facility

Rome CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1052

(7.17.2.3) Latitude

34.255556

(7.17.2.4) Longitude

-85.353888

Row 97

(7.17.2.1) Facility

Selma CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

11940

(7.17.2.3) Latitude

32.533611

(7.17.2.4) Longitude

-86.938611

Row 98

(7.17.2.1) Facility

Shadyside CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

8901

(7.17.2.3) Latitude

29.736111

(7.17.2.4) Longitude

-91.416666

Row 99

(7.17.2.1) Facility

Transmission Pipeline Facility, Southern Natural Gas Company, L.L.C

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

66652

(7.17.2.3) Latitude

29.75788

(7.17.2.4) Longitude

-95.36739

Row 100

(7.17.2.1) Facility

Tarrant CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

10656

(7.17.2.3) Latitude

33.600278

(7.17.2.4) Longitude

-86.772222

Row 101

(7.17.2.1) Facility

Thomaston CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

17290

(7.17.2.3) Latitude

32.790555

(7.17.2.4) Longitude

-84.257222

Row 102

(7.17.2.1) Facility

Toca CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

12044

(7.17.2.3) Latitude

29.867777

(7.17.2.4) Longitude

-89.839722

Row 103

(7.17.2.1) Facility

White Castle CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

21145

(7.17.2.3) Latitude

30.206389

(7.17.2.4) Longitude

-91.104722

Row 104

(7.17.2.1) Facility

Wrens CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

11184

(7.17.2.3) Latitude

33.192222

(7.17.2.4) Longitude

-82.366944

Row 105

(7.17.2.1) Facility

York CS

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

19905

(7.17.2.3) Latitude

32.326388

(7.17.2.4) Longitude

-88.193611

Row 106

(7.17.2.1) Facility

Transco Station 116

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

19281

(7.17.2.3) Latitude

33.486389

(7.17.2.4) Longitude

-84.926111

Row 107

(7.17.2.1) Facility

Transmission & Distribution

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

26720

(7.17.2.3) Latitude

33.76433

(7.17.2.4) Longitude

-84.38825

Row 108

(7.17.2.1) Facility

Mobile Fleet

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

118431

(7.17.2.3) Latitude

33.76433

(7.17.2.4) Longitude

-84.38825

Row 109

(7.17.2.1) Facility

De Minimis Emission Sources

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

241938

(7.17.2.3) Latitude

33.76433

(7.17.2.4) Longitude

-84.38825

[Add row]

(7.17.3) Break down your total gross global Scope 1 emissions by business activity.

	Activity	Scope 1 emissions (metric tons CO2e)
Row 1	<i>Electric Stationary Combustion</i>	77300539
Row 2	<i>Electric Transmission & Distribution</i>	26720
Row 4	<i>Gas Distribution & Storage</i>	1576496
Row 5	<i>Mobile Combustion</i>	118431
Row 6	<i>De Minimis Sources</i>	241938

[Add row]

(7.19) Break down your organization’s total gross global Scope 1 emissions by sector production activity in metric tons CO2e.

Electric utility activities

(7.19.1) Gross Scope 1 emissions, metric tons CO2e

77327259

(7.19.3) Comment

Based on equity share for tracked and reported facilities. Includes Electricity business division only (excludes gas sector, mobile vehicle and de minimis emission sources); no credits/offsets are used to reduce Scope 1 emissions, so gross and net emissions are equal.

[Fixed row]

(7.22) Break down your gross Scope 1 and Scope 2 emissions between your consolidated accounting group and other entities included in your response.

Consolidated accounting group

(7.22.1) Scope 1 emissions (metric tons CO2e)

79264124

(7.22.2) Scope 2, location-based emissions (metric tons CO2e)

306474

(7.22.3) Scope 2, market-based emissions (metric tons CO2e)

280610

(7.22.4) Please explain

All emissions are included in the Consolidated accounting group for Southern Company.

All other entities

(7.22.1) Scope 1 emissions (metric tons CO2e)

0

(7.22.2) Scope 2, location-based emissions (metric tons CO2e)

0

(7.22.3) Scope 2, market-based emissions (metric tons CO2e)

0

(7.22.4) Please explain

All emissions are included in the Consolidated accounting group for Southern Company.
[Fixed row]

(7.23) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?

Select from:

Yes

(7.23.1) Break down your gross Scope 1 and Scope 2 emissions by subsidiary.

Row 1

(7.23.1.1) Subsidiary name

Alabama Power Company

(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary

Select all that apply

CUSIP number

(7.23.1.6) CUSIP number

010392

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

27408125

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

91880

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

90651

Row 2

(7.23.1.1) Subsidiary name

Georgia Power Company

(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary

Select all that apply

CUSIP number

(7.23.1.6) CUSIP number

373334

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

23312021

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

116160

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

94876

Row 3

(7.23.1.1) Subsidiary name

Mississippi Power Company

(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary

Select all that apply

CUSIP number

(7.23.1.6) CUSIP number

605417

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

9269914

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

8585

Row 4

(7.23.1.1) Subsidiary name

Southern Electric Generating Company

(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary

Select all that apply

Other unique identifier, please specify :IRS EIN

(7.23.1.11) Other unique identifier

63-0378675

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

918931

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

0

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

0

Row 5

(7.23.1.1) Subsidiary name

Southern Power Company

(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary

Select all that apply

CUSIP number

(7.23.1.6) CUSIP number

843646

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

13288170

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

63811

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

64642

Row 6

(7.23.1.1) Subsidiary name

PowerSecure, Inc.

(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary

Select all that apply

Other unique identifier, please specify :IRS EIN

(7.23.1.11) Other unique identifier

84-1557738

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

272772

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

49

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

70

Row 7

(7.23.1.1) Subsidiary name

Southern Company Gas

(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary

Select all that apply

Other unique identifier, please specify :IRS EIN

(7.23.1.11) Other unique identifier

58-2210952

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

1623597

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

25412

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

21445

Row 8

(7.23.1.1) Subsidiary name

Southern Company Holdings, Inc.

(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary

Select all that apply

Other unique identifier, please specify :IRS EIN

(7.23.1.11) Other unique identifier

58-2603303

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

3159041

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

6

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

4

Row 9

(7.23.1.1) Subsidiary name

Southern Nuclear Operating Company, Inc.

(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary

Select all that apply

Other unique identifier, please specify :IRS EIN

(7.23.1.11) Other unique identifier

63-1033709

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

10494

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

0

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

0

Row 10

(7.23.1.1) Subsidiary name

Southern Communication Services, Inc.

(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary

Select all that apply

Other unique identifier, please specify :IRS EIN

(7.23.1.11) Other unique identifier

58-2077864

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

0

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

86

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

86

Row 11

(7.23.1.1) Subsidiary name

Southern Company Services, Inc.

(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary

Select all that apply

Other unique identifier, please specify :IRS EIN

(7.23.1.11) Other unique identifier

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

1061

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

253

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

251

[Add row]

(7.45) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Row 1

(7.45.1) Intensity figure

0.003

(7.45.2) Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

79544734

(7.45.3) Metric denominator

Select from:

unit total revenue

(7.45.4) Metric denominator: Unit total

25253000000

(7.45.5) Scope 2 figure used

Select from:

Market-based

(7.45.6) % change from previous year

0

(7.45.7) Direction of change

Select from:

No change

(7.45.8) Reasons for change

Select all that apply

Other, please specify :No change

(7.45.9) Please explain

*In 2023, emissions and revenue both decreased compared to 2022, but the intensity remained the same.
[Add row]*

(7.46) For your electric utility activities, provide a breakdown of your Scope 1 emissions and emissions intensity relating to your total power plant capacity and generation during the reporting year by source.

Coal – hard

(7.46.1) Absolute scope 1 emissions (metric tons CO₂e)

33375728

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

Net

(7.46.3) Scope 1 emissions intensity (Gross generation)

961.95

(7.46.4) Scope 1 emissions intensity (Net generation)

1039.26

Oil

(7.46.1) Absolute scope 1 emissions (metric tons CO₂e)

25791

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

Net

(7.46.3) Scope 1 emissions intensity (Gross generation)

437.14

(7.46.4) Scope 1 emissions intensity (Net generation)

437.14

Gas

(7.46.1) Absolute scope 1 emissions (metric tons CO2e)

40409630

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

Net

(7.46.3) Scope 1 emissions intensity (Gross generation)

397.25

(7.46.4) Scope 1 emissions intensity (Net generation)

404.19

Nuclear

(7.46.1) Absolute scope 1 emissions (metric tons CO2e)

0

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

Net

(7.46.3) Scope 1 emissions intensity (Gross generation)

0.00

(7.46.4) Scope 1 emissions intensity (Net generation)

0.00

Hydropower

(7.46.1) Absolute scope 1 emissions (metric tons CO2e)

0

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

Net

(7.46.3) Scope 1 emissions intensity (Gross generation)

0.00

(7.46.4) Scope 1 emissions intensity (Net generation)

0.00

Wind

(7.46.1) Absolute scope 1 emissions (metric tons CO2e)

0

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

Net

(7.46.3) Scope 1 emissions intensity (Gross generation)

0.00

(7.46.4) Scope 1 emissions intensity (Net generation)

0.00

Solar

(7.46.1) Absolute scope 1 emissions (metric tons CO2e)

0

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

Net

(7.46.3) Scope 1 emissions intensity (Gross generation)

0.00

(7.46.4) Scope 1 emissions intensity (Net generation)

0.00

Other non-renewable

(7.46.1) Absolute scope 1 emissions (metric tons CO2e)

330349

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

Net

(7.46.3) Scope 1 emissions intensity (Gross generation)

374.55

(7.46.4) Scope 1 emissions intensity (Net generation)

374.55

Total

(7.46.1) Absolute scope 1 emissions (metric tons CO2e)

74141498

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

Net

(7.46.4) Scope 1 emissions intensity (Net generation)

399.18

[Fixed row]

(7.53) Did you have an emissions target that was active in the reporting year?

Select all that apply

Absolute target

(7.53.1) Provide details of your absolute emissions targets and progress made against those targets.

Row 1

(7.53.1.1) Target reference number

Select from:

Abs 1

(7.53.1.2) Is this a science-based target?

Select from:

Yes, we consider this a science-based target, but we have not committed to seek validation of this target by the Science Based Targets initiative within the next two years

(7.53.1.4) Target ambition

Select from:

- 1.5°C aligned

(7.53.1.5) Date target was set

05/27/2020

(7.53.1.6) Target coverage

Select from:

- Organization-wide

(7.53.1.7) Greenhouse gases covered by target

Select all that apply

- Carbon dioxide (CO2)
- Methane (CH4)
- Nitrous oxide (N2O)
- Hydrofluorocarbons (HFCs)
- Sulphur hexafluoride (SF6)

(7.53.1.8) Scopes

Select all that apply

- Scope 1

(7.53.1.11) End date of base year

12/31/2007

(7.53.1.12) Base year Scope 1 emissions covered by target (metric tons CO2e)

156471219

(7.53.1.31) Base year total Scope 3 emissions covered by target (metric tons CO2e)

0.000

(7.53.1.32) Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

156471219.000

(7.53.1.33) Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

100

(7.53.1.53) Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

100

(7.53.1.54) End date of target

12/31/2050

(7.53.1.55) Targeted reduction from base year (%)

100

(7.53.1.56) Total emissions at end date of target covered by target in all selected Scopes (metric tons CO2e)

0.000

(7.53.1.57) Scope 1 emissions in reporting year covered by target (metric tons CO2e)

79264124

(7.53.1.77) Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

79264124.000

(7.53.1.78) Land-related emissions covered by target

Select from:

No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

(7.53.1.79) % of target achieved relative to base year

49.34

(7.53.1.80) Target status in reporting year

Select from:

Underway

(7.53.1.82) Explain target coverage and identify any exclusions

<https://www.southerncompany.com/content/dam/southerncompany/sustainability/pdfs/2023-sustainability-summary.pdf#page12>

Row 2

(7.53.1.1) Target reference number

Select from:

Abs 2

(7.53.1.2) Is this a science-based target?

Select from:

Yes, we consider this a science-based target, but we have not committed to seek validation of this target by the Science Based Targets initiative within the next two years

(7.53.1.4) Target ambition

Select from:

1.5°C aligned

(7.53.1.5) Date target was set

04/01/2018

(7.53.1.6) Target coverage

Select from:

Organization-wide

(7.53.1.7) Greenhouse gases covered by target

Select all that apply

- Carbon dioxide (CO₂)
- Methane (CH₄)
- Nitrous oxide (N₂O)
- Hydrofluorocarbons (HFCs)
- Sulphur hexafluoride (SF₆)

(7.53.1.8) Scopes

Select all that apply

Scope 1

(7.53.1.11) End date of base year

12/31/2007

(7.53.1.12) Base year Scope 1 emissions covered by target (metric tons CO₂e)

156471219

(7.53.1.31) Base year total Scope 3 emissions covered by target (metric tons CO₂e)

0.000

(7.53.1.32) Total base year emissions covered by target in all selected Scopes (metric tons CO₂e)

156471219.000

(7.53.1.33) Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

100

(7.53.1.53) Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

100

(7.53.1.54) End date of target

12/31/2030

(7.53.1.55) Targeted reduction from base year (%)

50

(7.53.1.56) Total emissions at end date of target covered by target in all selected Scopes (metric tons CO2e)

78235609.500

(7.53.1.57) Scope 1 emissions in reporting year covered by target (metric tons CO2e)

79264124

(7.53.1.77) Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

79264124.000

(7.53.1.78) Land-related emissions covered by target

Select from:

No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

(7.53.1.79) % of target achieved relative to base year

98.69

(7.53.1.80) Target status in reporting year

Select from:

Underway

(7.53.1.82) Explain target coverage and identify any exclusions

[Add row]

(7.54) Did you have any other climate-related targets that were active in the reporting year?

Select all that apply

Net-zero targets

(7.54.3) Provide details of your net-zero target(s).

Row 1

(7.54.3.1) Target reference number

Select from:

NZ1

(7.54.3.2) Date target was set

05/27/2020

(7.54.3.3) Target Coverage

Select from:

Organization-wide

(7.54.3.4) Targets linked to this net zero target

Select all that apply

Abs1

(7.54.3.5) End date of target for achieving net zero

12/31/2050

(7.54.3.6) Is this a science-based target?

Select from:

Yes, we consider this a science-based target, but we have not committed to seek validation of this target by the Science Based Targets initiative within the next two years

(7.54.3.8) Scopes

Select all that apply

Scope 1

(7.54.3.9) Greenhouse gases covered by target

Select all that apply

- Carbon dioxide (CO2)
- Methane (CH4)
- Nitrous oxide (N2O)
- Hydrofluorocarbons (HFCs)
- Sulphur hexafluoride (SF6)

(7.54.3.10) Explain target coverage and identify any exclusions

<https://www.southerncompany.com/content/dam/southerncompany/sustainability/pdfs/2023-sustainability-summary.pdf#page12>

(7.54.3.12) Do you intend to neutralize any residual emissions with permanent carbon removals at the end of the target?

Select from:

- Unsure

(7.54.3.17) Target status in reporting year

Select from:

- Underway

[Add row]

(7.58) Describe your organization's efforts to reduce methane emissions from your activities.

<https://www.southerncompany.com/content/dam/southerncompany/sustainability/pdfs/net-zero-transition/natural-gas-sustainability-fact-sheet.pdf>

(7.73) Are you providing product level data for your organization's goods or services?

Select from:

- No, I am not providing data

C13. Further information & sign off

(13.3) Provide the following information for the person that has signed off (approved) your CDP response.

(13.3.1) Job title

Senior Vice President, Research, Environment and Sustainability

(13.3.2) Corresponding job category

Select from:

Environment/Sustainability manager

[Fixed row]