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The mission of SASB, now known as The International Financial Reporting Standards (IFRS) Foundation, is to develop sustainability metrics for public corporations to disclose material, decision-useful information to investors. NRG supports work that contributes directly to providing comparable and consistent data. The nature of our business directs us to consult the SASB Standards for *Infrastructure Sector – Electric Utilities & Power Generators* as defined by the Sustainable Industry Classification System (SICS). Below is a table which contains those topics we have identified as key issues and against which we are able to report as a publicly-traded company. Topics that are not applicable to NRG are denoted as such. Activity metrics that may assist in the accurate evaluation and comparability of disclosure may be found in NRG's 2022 Form 10-K and in NRG's 2022 Year-in-Review Report, which now includes NRG's sustainability reporting. Quantitative data may be followed by narrative information that contextualizes the data table and is also responsive to any qualitative metrics.

Topic	Accounting Metric	SASB Code
<b>Greenhouse Gas (GHG) Emissions &amp; Energy Resource Planning</b>	<b>(1) Gross Global Scope 1 Emissions (metric tons of CO<sub>2</sub>e)</b>	<p style="text-align: right;">37,417,583*</p> <p>*Includes 37.5% ownership of a 605 MW capacity coal plant in Australia. Reported greenhouse gas metrics include emission and consumption data from all facilities located in the United States that were owned, controlled, or for which the Company had an equity interest as of December 31, 2022. The Company employs a hybrid methodology of operational and financial control, as defined in the World Resources Institute / World Business Council for Sustainable Development <i>Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard</i>, Revised Edition, 2004 (GHG Protocol), to determine facilities within the organizational boundary. Emissions and consumption data from jointly-owned electric generating facilities are allocated based on the Company's equity share of ownership at the plant level. Note that tolling agreements are currently excluded from the organizational boundary.</p>
	<b>(2) Percentage Covered under Emissions-Limiting Regulations, and</b>	<p style="text-align: right;">0.6%</p>
	<b>(3) Percentage Covered under Emissions-Reporting Regulations</b>	<p style="text-align: right;">99.4%</p>
	<b>Clarification of percentage covered under emissions-limiting and emissions-reporting regulations:</b> Nearly all (>99%) of NRG's emission sources are subject to mandatory U.S. federal (Environmental Protection Agency (EPA)) greenhouse gas reporting regulations. In addition, some of these emission sources (0.6% specified under IF-EU-110a.1(2) above) also report to regional and state CO <sub>2</sub> e reporting programs (RGGI, AB32) that are disclosed annually as part of NRG's financial reporting data.	
		<b>IF-EU-110a.1</b>

Topic	Accounting Metric	SASB Code	
Greenhouse Gas (GHG) Emissions & Energy Resource Planning	<p><b>Discussion of accounting, estimations and uncertainty for Scope 1 Emissions:</b></p> <p>Scope 1 includes only direct GHG emissions associated with fuel combustion in boilers, turbines, and engines used to produce electric power. Scope 1 GHG emissions were determined by using methods specified within Title 40, Chapter I, Subchapter C, Part 98, Subparts A (Jan. 1, 2018 update), C (Sep. 21, 2018 update), and D (Jan. 3, 2017 update). The determination of the equity share of GHG emissions is consistent with equity share methodologies for equity share accounting for greenhouse gas emissions as described in the GHG Protocol.</p> <p>GHG emissions from combustion of fossil fuels used for other activities or equipment, such as auxiliary boilers, starter engines, and company fleet vehicles are not included at this time as the associated emissions are immaterial. Scope 1 emissions do not include emissions from fugitive sources such as hydrofluorocarbon (HFC) releases from use of refrigeration and/or air conditioning equipment, sulfur hexafluoride (SF<sub>6</sub>) from electrical equipment, and methane releases from natural gas transport as they are not material sources of greenhouse gases for the Company.</p>	IF-EU-110a.1	
	<p><b>GHG emissions associated with power deliveries</b></p>	The calculation of this metric is under consideration.	IF-EU-110a.2
	<p><b>Description of Long-term and Short-term Strategy or Plan to Manage Scope 1 Emissions, Emission-Reduction Targets, and an Analysis of Performance v. Those Targets</b></p>	<p>NRG's goal is to reduce its U.S. Scope 1, 2, and 3 (business travel) CO<sub>2</sub>e emissions 50% by 2025, from the current 2014 baseline, and achieve net-zero by 2050. From 2014-2022 our emissions decreased 42%.</p> <p>Disclosure of our strategy to manage Scope 1 emissions is reported annually through the <a href="#">CDP Climate Change questionnaire</a> as well as in NRG's 2020 Task Force on Climate-related Financial Disclosures (<a href="#">TCFD</a>) <a href="#">Report</a>, NRG's <a href="#">Sustainability Linked Bond Framework</a>, and in NRG's 2022 Year-in-Review <a href="#">report</a>.</p>	IF-EU-110a.3
	<p><b>Number of customers served in markets subject to renewable portfolio standards (RPS) and percentage fulfillment of RPS target by market</b></p>	The calculation of this metric is under consideration.	IF-EU-110a.4

Air Quality	Air emissions source	Air emissions (metric tons)	Percentage from production facilities within urbanized areas	IF-EU-120a.1	
	NO <sub>x</sub>	17,812	30%		
	SO <sub>x</sub> *	40,993	76%		
	PM <sub>10</sub> **	3,185	69%		
	Pb***	0.287	44%		
	Hg***	0.066	24%		
	<p><b>Discussion of accounting, estimations, and uncertainty for Air Emissions:</b></p> <p>Data collection varies based on the generation facility and may include engineering calculations or continuous emissions monitoring systems (CEMS).</p> <p>* NRG only has SO<sub>2</sub> emissions so SO<sub>x</sub> emissions are equivalent to SO<sub>2</sub> emissions.</p> <p>** The requirement to report PM<sub>10</sub> emissions in annual emissions inventories or emissions statements varies across states. In addition, the earliest reporting deadline for a reporting year is July 1<sup>st</sup> of the following year. For sites in NRG's fleet that have not yet or are not required to report PM<sub>10</sub> emissions at the time of submittal to SASB, NRG has used the U.S. EPA's AP-42 emission factors to estimate emissions.</p> <p>*** In the case of lead and mercury emissions, volumes are estimated for some facilities due to incomplete data at time of publication.</p>				

Topic	Accounting Metric			SASB Code		
Water Management	<b>(1) Total Water Withdrawn</b> (thousands of cubic meters)	2,179,643			IF-EU-140a.1	
		<b>2022 NRG GLOBAL WATER WITHDRAWN BY SOURCE</b>				
		<b>Water Source</b>	<b>Total (Thousands of Cubic Meters)</b>	<b>Percent</b>		
		Fresh Water	1,133,432	52%		
		Non-Fresh Water	516,389	24%		
		Ocean	529,822	24%		
	Total	2,179,643	100%			
	<b>(2) Total Water Consumed</b> (thousands of cubic meters)	157,362				
	<b>Percentage of Each in Regions with High or Extremely High Baseline Water Stress</b>	<b>Baseline Water Stress High (40-80%) or Extremely High (&gt;80%)</b>	<b>Withdrawal from areas with High or Extremely High Baseline Water Stress</b>	<b>Consumption from areas with High or Extremely High Baseline Water Stress</b>		
		Percent of Total Water	<1%	<1%		
		Percent that is Non-Fresh*	0%	0%		
		NRG uses the WRI Aqueduct tool to model and help assess water basin risks in combination with regional internal expertise. *Non-Fresh water has a total dissolved solids greater than 1,000 mg/l and is not used for agriculture or municipal water supply.				
		<b>Type of Generating Facility in Baseline Water Stress Area</b>	<b>Number</b>			
		Fossil Fuel (Natural Gas, Coal, Oil)	0			
		Renewable (Solar and Wind)	1			
Nuclear		0				
Thermal (District Heating and Cooling)		0				
Total	1					
<b>Number of Incidents of Non-Compliance with Water-Quality and/ or Quantity Permits, Standards, and Regulations</b>	0			IF-EU-140a.2		
<p><b>Discussion of Water Management Risks</b></p> <p>NRG's definition of substantive risk from water is the possibility that an event will occur and significantly affect the achievement of NRG's business goals. Risk identification and assessment process applies to both direct operations and supply chain. NRG uses measures, metrics, and indicators for water risk assessment leveraging management and professional judgment from the following perspectives:</p> <ul style="list-style-type: none"> <li>• <b>Financial impact</b> <ul style="list-style-type: none"> <li>- Corporate earnings</li> <li>- Capital expenditure on technologies to reduce water consumption and withdrawal</li> </ul> </li> <li>• <b>Plant operation</b> <ul style="list-style-type: none"> <li>- Operation disruption due to shortage</li> <li>- Increase in water cost</li> <li>- Supply chain risk</li> </ul> </li> <li>• <b>Environmental impact</b> <ul style="list-style-type: none"> <li>- Availability</li> <li>- Quality of river basins</li> <li>- Regulations that impact supply and/or management of water</li> </ul> </li> </ul>				IF-EU-140a.3		

Topic	Accounting Metric	SASB Code
<b>Water Management</b>	<p><b>Discussion of strategies and practices to mitigate risks</b></p> <p>Water risk is monitored by the risk owners (individual plant operators) and reported to management upon material changes with a threshold of 20% in water consumption and withdrawal levels. If determined that a water supply risk exists that could impact projected generation levels at any plant within a two-year time frame, risk mitigation efforts are identified and economically evaluated for implementation.</p> <p>NRG's Plant Operations team reviews modelling scenarios generated. Plant water usage is reviewed annually. Analysis is reviewed by the senior leaders of NRG's Operations, Engineering, and Commercial Operations teams. The WRI Aqueduct tool is used annually to develop a high-level view of basin-level risk that informs strategic decision-making and the setting of goals and targets. This tool was chosen because of its open-source nature and ease of use. Each generating facility is unique, and the water risk approach identifies and addresses risks for each covering:</p> <ul style="list-style-type: none"> <li>• Availability</li> <li>• Quality</li> <li>• Regulatory</li> <li>• Stakeholders</li> <li>• Financial</li> <li>• Operational</li> <li>• Environmental</li> <li>• Supply chain impacts</li> </ul> <p>Risk response decisions are primarily made and executed by managing plant operations to maintain compliance with all regulations. NRG reports supply chain water risk annually through the CDP Water Security Questionnaire.</p>	<b>IF-EU-140a.3</b>

<b>Coal Ash Management</b>	<b>Amount of Coal Combustion Residuals Generated (metric tons rounded to nearest thousand)</b>	1,035,000	<b>IF-EU-150a.1</b>					
	<b>Percentage Recycled (metric tons rounded to nearest thousand)</b>	80% (830,000)						
	<b>Total Number of Coal Combustion Residual Impoundments</b>	11 surface impoundments as defined by 40 CFR 257.2		<b>IF-EU-150a.2</b>				
	<b>Number by EPA Hazard Potential Classification, Broken Down by EPA Structural Integrity Assessment</b>	NRG Impoundment Structural Integrity Rating and Hazard Potential Classification						
			Less than Low		Low	Significant	High	Incised*
		Satisfactory	0		1	5	0	0
Fair		0	0		0	0	0	
Poor		0	0		0	0	0	
Unsatisfactory		0	0	0	0	0		
Not Applicable*	0	1	2	0	2			
*To align with EPA reporting we have added a column for 'Incised' and a row for 'Not Applicable' to account for all impoundments as defined by the EPA.								

Topic		Accounting Metric	SASB Code
Workforce Health and Safety	(1) Total Recordable Injury Rate	0.27	IF-EU-320a.1
	(2) Fatality Rate	0	
	(3) Near-Miss Frequency Rate	9.93  Process for classifying, recording, and reporting: <i># of Near-Misses Reported / Total Hours Worked x 1,000,000 = Near-Miss Frequency Rate</i>  The National Safety Agency defines near-misses as “an unplanned event that did not result in injury, illness, or damage, but had the potential to do so.” NRG uses an electronic Incident Management System to document, communicate, track, and trend specific factors about each event including causal factors and corrective actions; this system provides automated fleet-wide notifications. The number of near misses is derived from a report pulled from the Incident Management System. NRG’s Operational Health and Safety (OHS) management system applies to 100% of U.S. operations. The system also includes notifications to executive management when significant safety events occur that meet the defined criteria for a Significant Event notification. The system also generates weekly reports to communicate any events from the previous week to NRG personnel.	

Nuclear Safety and Emergency Management	Total Number of Nuclear Power Units, Broken Down by Nuclear Regulatory Commission (NRC) Action Matrix Column	NRG South Texas Project LP (STP) is a 44% owner of a joint undivided interest in STP.			IF-EU-540a.1
		Reactor Unit	Action Matrix Column	Current Regulatory Oversight	
		South Texas 1	Licensee Response	Baseline inspection	
		South Texas 2	Licensee Response	Baseline inspection	
	Table source: <a href="https://www.nrc.gov/reactors/operating/oversight/actionmatrix-summary.html">https://www.nrc.gov/reactors/operating/oversight/actionmatrix-summary.html</a>				
Discussion of Efforts to Manage Nuclear Safety and Emergency Preparedness	As a holder of an ownership interest in STP, NRG South Texas Project LP is an NRC licensee and is subject to NRC regulation. The NRC license gives NRG the right only to possess an interest in STP but not to operate it. As a possession-only licensee, i.e., non-operating co-owner, the NRC’s regulation of NRG South Texas Project LP is primarily focused on NRG’s ability to meet its financial and decommissioning funding assurance obligations. In connection with the NRC license, NRG and its subsidiaries have a support agreement to provide up to \$120 million to support operations at STP.			IF-EU-540a.2	

Topic	Accounting Metric	SASB Code
<p><b>Management of the Legal &amp; Regulatory Environment</b></p>	<p><b>Discussion of Positions on the Regulatory and Political Environment Related to Environmental and Social Factors and Description of Efforts to Manage Risks and Opportunities Presented</b></p> <p>A discussion of risks can be found in the 2022 10-K SEC filing, Item 1-A, Risk Factors Related to NRG Energy, Inc., pages 24-37.</p> <p>Throughout 2022, we continued to engage with policymakers in Washington, D.C. and at the state level. We also maintained our relationships with groups such as the Electric Power Supply Association and various informal organizations. When possible, we collaborate with groups focused on clean energy access and climate solutions. Typically, we engage on legislative and regulatory actions designed to mitigate GHG emissions, as well as policies that support the development and deployment of competitive low-carbon power generation technologies. We are most active in the debate aimed at protecting and expanding competitive power markets and consumer choice, both of which we believe are critical enablers of achieving least-cost low-carbon outcomes.</p> <p>This year, we once again evaluated the climate positions of certain membership organizations, trade associations and social welfare organizations to which we pay annual dues.<sup>1</sup> In 2022, the organizations evaluated were either (i) in alignment with the Paris Climate Agreement or (ii) did not have a climate position. Our assessment was published in our <a href="#">Industry Association Climate Review</a> which we update annually.</p> <p>Regulatory filings, white papers, presentations, and other materials that NRG has prepared and submitted setting forth NRG's positions on a variety of critical subjects driving our business and the industry can be found at <a href="https://www.nrg.com/energy-policy.html">https://www.nrg.com/energy-policy.html</a>.</p>	<p><b>IF101-21</b></p>

**The following SASB topics and corresponding activity metrics are not applicable to NRG.**

- Energy Affordability (IF-EU-240a)
  - This topic pertains to regulated electric utilities, and NRG is not a regulated utility.
- End-Use Efficiency & Demand (IF-EU-420a)
  - This topic pertains to regulated electric utilities, and NRG is not a regulated utility.
- Grid Resiliency (IF-EU-550a)
  - NRG does not have transmission and distribution operations.

<sup>1</sup> To be included in the scope of our review, organizations received annual dues of \$25,000 or more from NRG in 2022 and were registered to lobby at state or federal levels, or did, in fact, engage in such lobbying.