

Appendix B - Sustainability Accounting Standards Board (SASB) Metrics

Code	Topic	Metric	FY 2023
IF-EU-110a.1	Greenhouse Gas Emissions & Energy Resource Planning	(1) Gross global Scope 1 emissions (Metric Tons)	38,208,030
IF-EU-110a.1	Greenhouse Gas Emissions & Energy Resource Planning	(2) Percentage covered under emissions-limiting regulations	0.00%
IF-EU-110a.1	Greenhouse Gas Emissions & Energy Resource Planning	(3) Percentage covered under emissions-reporting regulations	99.90%
IF-EU-110a.2	Greenhouse Gas Emissions & Energy Resource Planning	Greenhouse gas (GHG) emissions associated with power deliveries (Metric Tons)	44,375,939
IF-EU-110a.3	Greenhouse Gas Emissions & Energy Resource Planning	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	TVA Carbon Report
IF-EU-110a.4	Greenhouse Gas Emissions & Energy Resource Planning	(1) Number of customers served in markets subject to renewable portfolio standards (RPS)	4 LPCs
IF-EU-110a.4	Greenhouse Gas Emissions & Energy Resource Planning	(2) Percentage fulfillment of RPS target by market	100%
IF-EU-120a.1	Air Quality	Air emissions of the following pollutants: (1) NOx (excluding N2O) (Metric Tons) (CY) ¹	13,221
IF-EU-120a.2	Air Quality	SO ₂ Emissions (Metric Tons) (CY) ¹	17,736
IF-EU-140a.1	Water Management	(1) Total water withdrawn (Thousand Cubic Meters)	12,206,388
IF-EU-140a.1	Water Management	(2) Total water consumed (Thousand Cubic Meters)	97,252
IF-EU-140a.1	Water Management	(3) Percentage of water drawn and consumed in regions with High or Extremely High Baseline Water Stress	0%
IF-EU-140a.2	Water Management	Number of incidents of noncompliance associated with water quantity and/or quality permits, standards, and regulations	7
IF-EU-140a.3	Water Management	Description of water management risks and discussion of strategies and practices to mitigate those risks	Water Use in the Tennessee Valley Report
IF-EU-150a.1	Coal Ash Management	(1) Amount of coal combustion residuals (CCR) generated (Metric Tons)	1,653,329
IF-EU-150a.1	Coal Ash Management	(2) Percentage recycled	87%
IF-EU-150a.2	Coal Ash Management	Total number of coal combustion residual (CCR) impoundments, broken down by hazard potential classification and structural integrity assessment	CCR Rule Compliance Data and Information
IF-EU-240a.1	Energy Affordability	Average retail electric rate for residential customers	12.23
IF-EU-240a.1	Energy Affordability	Average retail electric rate for commercial customers	11.87
IF-EU-240a.1	Energy Affordability	Average retail electric rate for industrial customers	5.78



Code	Topic	Metric	FY 2023
IF-EU-240a.4	Energy Affordability	Discussion of impact of external factors on customer affordability of electricity, including the economic conditions of the service territory	Equity Action Plan
IF-EU-320a.1	Workforce Health & Safety	(1) Total recordable incident rate (TRIR)	0.26
IF-EU-320a.1	Workforce Health & Safety	(2) Fatality rate	0.000092
IF-EU-420a.3	End-Use Efficiency & Demand	Customer electricity savings from efficiency measures, by market (MWh)	See Appendix C - EnergyRight Metrics
IF-EU-540a.1	Nuclear Safety & Emergency Management	Total number of nuclear power units, broken down by U.S. Nuclear Regulatory Commission (NRC) Action Matrix Column	TVA operates seven nuclear power units at three sites: five units are in the Licensee Response Column of the NRC Action Matrix and two units (Watts Bar 1 and 2) are in the Regulatory Response Column
IF-EU-540a.2	Nuclear Safety & Emergency Management	Description of efforts to manage nuclear safety and emergency preparedness	Emergency Preparedness
IF-EU-550a.1	Grid Resiliency	Number of incidents of noncompliance with physical and/or cybersecurity standards or regulations	Physical noncompliance: 2 Cyber noncompliance: 8

¹ Data does not include Caledonia Combined Cycle Plant, a leased facility operated by TVA.