



Electric Company ESG/Sustainability Quantitative Information

Parent Company: UNS Energy Corporation (a Fortis, Inc. Company)
Operating Company(s): Tucson Electric Power Company
Business Type(s): Vertically Integrated
State(s) of Operation: Arizona
State(s) with RPS Programs: Arizona
Regulatory Environment: Regulated
Report Date: June 2024

Ref. No.		Baseline 2005	Last Year 2022	Current Year 2023	Future Year 2035	Comments, Links, Additional Information, and Notes
Portfolio						
1	Owned Nameplate Generation Capacity at end of year (MW)	2,022	3,027	3,101	4,805	Owned generation capacity provided as nominal capacity, rather than nameplate capacity, for consistency with annual Fortis, Inc. reporting and the 2023 Tucson Electric Power Integrated Resource Plan.
1.1	Coal	1,528	903	903		
1.2	Natural Gas	485	1,817	1,891	2,187	Increased capacity due to capacity upgrades completed in 2023.
1.3	Nuclear					
1.4	Petroleum					
1.5	Total Renewable Energy Resources	9	307	307	2,618	
1.5.1	Biomass/Biogas	4				
1.5.2	Geothermal					
1.5.3	Hydroelectric					
1.5.4	Solar	5	57	57	1,708	Future year solar capacity is a combination of owned and purchased capacity.
1.5.5	Wind		250	250	910	Future year wind capacity is a combination of owned and purchased capacity.
1.6	Other					
1b	Total Owned & Purchased Renewable Generation and Battery Storage Capacity (MW)		792	792		
2.i	Owned Net Generation for the data year (MWh)	11,215,000	11,944,000	11,721,000	6,212,000	Owned net generation was determined from operational reports consistent with financial reporting, as EIA Form 923 does not indicate net generation by ownership; includes generation for retail and wholesale customers.
2.1.i	Coal	10,819,000	4,665,000	3,727,000		
2.2.i	Natural Gas	368,000	6,459,000	7,336,000	5,127,000	
2.3.i	Nuclear					
2.4.i	Petroleum					
2.5.i	Total Renewable Energy Resources	28,000	820,000	658,000	1,085,000	
2.5.1.i	Biomass/Biogas	28,000				
2.5.2.i	Geothermal					
2.5.3.i	Hydroelectric					
2.5.4.i	Solar	Not Available	93,000	106,000	53,000	
2.5.5.i	Wind		727,000	552,000	1,032,000	
2.6.i	Other					
2.ii	Purchased Net Generation for the data year (MWh)	1,639,000	3,049,000	3,200,000	7,104,000	Purchased net generation provided in accordance with SEC Reporting; includes generation for retail and wholesale customers.
2.1.ii	Coal					
2.2.ii	Natural Gas		404,000	358,000		
2.3.ii	Nuclear					
2.4.ii	Petroleum					
2.5.ii	Total Renewable Energy Resources		1,300,000	1,291,000	5,830,000	
2.5.1.ii	Biomass/Biogas					
2.5.2.ii	Geothermal					
2.5.3.ii	Hydroelectric					
2.5.4.ii	Solar		852,000	812,000	3,988,000	
2.5.5.ii	Wind		448,000	479,000	1,842,000	
2.6.ii	Other	1,639,000	1,345,000	1,551,000	1,274,000	Other purchases include market purchases from the grid.
3	Capital Expenditures and Energy Efficiency (EE)					
3.1	Total Annual Capital Expenditures (nominal dollars)	\$149,906,000	\$458,000,000	\$578,000,000		
3.2	Incremental Annual Electricity Savings from EE Measures (MWh)	101,395	155,517	155,769		
3.3	Incremental Annual Investment in Electric EE Programs (nominal dollars)	\$1,771,000	\$12,411,000	\$30,228,000		
4	Retail Electric Customer Count (at end of year)					
4.1	Commercial	384,900	442,800	446,800		
4.2	Industrial	33,600	41,400	41,600		
4.3	Residential	700	600	600		
		350,600	400,800	404,600		



Electric Company ESG/Sustainability Quantitative Information

Parent Company: UNS Energy Corporation (a Fortis, Inc. Company)
Operating Company(s): Tucson Electric Power Company
Business Type(s): Vertically Integrated
State(s) of Operation: Arizona
State(s) with RPS Programs: Arizona
Regulatory Environment: Regulated
Report Date: June 2024

Ref. No.	Baseline 2005	Last Year 2022	Current Year 2023	Future Year 2035	Comments, Links, Additional Information, and Notes	
Emissions						
5	GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)					
5.1	Owned Generation					
5.1.1	Carbon Dioxide (CO2)					
5.1.1.1					Includes the emissions from sources <25 MW.	
5.1.1.1.1	11,026,000	7,341,000	6,812,000	2,065,000		
5.1.1.1.2	0.983	0.615	0.581	0.332		
5.1.2	Carbon Dioxide Equivalent (CO2e)					
5.1.2.1						
5.1.2.1.1	11,114,000	7,381,000	6,845,000			
5.1.2.1.2	0.991	0.618	0.584			
5.2	Purchased Power					
5.2.1	Carbon Dioxide (CO2)					
5.2.1.1						
5.2.1.1.1	768,000	620,000	597,000	116,000		
5.2.1.1.2	0.469	0.203	0.187	0.016		
5.2.2	Carbon Dioxide Equivalent (CO2e)					
5.2.2.1						
5.2.2.1.1	772,000	623,000	600,000			
5.2.2.1.2	0.471	0.204	0.188			
5.3	Owned Generation + Purchased Power					
5.3.1	Carbon Dioxide (CO2)					
5.3.1.1						
5.3.1.1.1	11,794,000	7,961,000	7,409,000	2,181,000		
5.3.1.1.2	0.918	0.531	0.497	0.164		
5.3.2	Carbon Dioxide Equivalent (CO2e)					
5.3.2.1						
5.3.2.1.1	11,886,000	8,004,000	7,445,000			
5.3.2.1.2	0.925	0.534	0.499			
5.4	Non-Generation CO2e Emissions of Sulfur Hexafluoride (SF6)					
5.4.1	Total CO2e emissions of SF6 (MT)					
	Not Available	11,000	3,000			
6	Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)					
6.1	Generation basis for calculation					
	Other					
6.2	Nitrogen Oxide (NOx)					
6.2.1	Total NOx Emissions (MT)					
6.2.1.1	16,000	4,100	3,700	391		
6.2.2	Total NOx Emissions Intensity (MT/Net MWh)					
6.2.2.1	0.001427	0.000343	0.000316	0.00006		
6.3	Sulfur Dioxide (SO2)					
6.3.1	Total SO2 Emissions (MT)					
6.3.1.1	16,000	3,700	3,900			
6.3.2	Total SO2 Emissions Intensity (MT/Net MWh)					
6.3.2.1	0.001427	0.000310	0.000333			
6.4	Mercury (Hg)					
6.4.1	Total Hg Emissions (kg)					
6.4.1.1	Not Available	6.3	9.2			
6.4.2	Total Hg Emissions Intensity (kg/Net MWh)					
6.4.2.1	Not Available	0.000001	0.000001			



Electric Company ESG/Sustainability Quantitative Information

Parent Company: UNS Energy Corporation (a Fortis, Inc. Company)
Operating Company(s): Tucson Electric Power Company
Business Type(s): Vertically Integrated
State(s) of Operation: Arizona
State(s) with RPS Programs: Arizona
Regulatory Environment: Regulated
Report Date: June 2024

Ref. No.	Baseline 2005	Last Year 2022	Current Year 2023	Future Year 2035	Comments, Links, Additional Information, and Notes
Resources					
7 Human Resources					
7.1 Total Number of Employees	1,287	1,675	1,740		
7.4 Total Number on Board of Directors/Trustees	Refer to UNS Energy EEI Quantitative Information for Board Information				
7.5 Percentage of Women on Board of Directors/Trustees					
7.6 Percentage of Minorities on Board of Directors/Trustees					
7.7 Employee Safety Metrics					
7.7.1 Recordable Incident Rate	Not Available	1.06	1.14		
7.7.2 Lost-time Case Rate	Not Available	0.44	0.24		
7.7.3 Days Away, Restricted, and Transfer (DART) Rate	Not Available	0.99	0.78		
7.7.4 Work-related Fatalities	Not Available	0	0		
8 Fresh Water Resources used in Thermal Power Generation Activities					
8.1 Water Withdrawals - Consumptive (Millions of Gallons)	Not Available	4,600	4,700		
8.2 Water Withdrawals - Non-Consumptive (Millions of Gallons)	Not Available	27	3		
8.3 Water Withdrawals - Consumptive Rate (Millions of Gallons/Net MWh)	Not Available	0.00039	0.00040		
8.4 Water Withdrawals - Non-Consumptive Rate (Millions of Gallons/Net MWh)	Not Available	0.00000	0.00000		
9 Waste Products					
9.1 Amount of Hazardous Waste Manifested for Disposal (MT)	Not Available	2.3	19.3		
9.2 Percent of Coal Combustion Products Beneficially Used	Not Available	1%	2%		

Forward Looking Information

This report contains forward-looking statements as defined by the Private Securities Litigation Reform Act of 1995. Tucson Electric Power Company ("TEP", "we", "us" or "our") is including the following cautionary statements to make applicable and take advantage of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995 for any forward-looking statements made by us in this report. Forward-looking statements include statements concerning plans, objectives, goals, strategies, future events, future economic conditions, future operational or financial performance and underlying assumptions, and other statements that are not statements of historical facts. Forward-looking statements may be identified by the use of words such as anticipates, believes, estimates, expects, intends, aspires, may, plans, predicts, potential, projects, would, and similar expressions. We disclaim any obligation to update any forward-looking statements to reflect new information, future events or circumstances, except as may otherwise be required by the federal securities laws.

Forward-looking statements involve risks and uncertainties which could cause actual results or outcomes to differ materially from those expressed herein. We express our estimates, expectations, beliefs, and projections in good faith and believe them to have a reasonable basis. However, we make no assurances that the estimates, expectations, beliefs, or projections set forth in this report will be achieved or accomplished. We have identified the following important factors that could cause actual results to differ materially from those discussed in our forward-looking statements. These may be in addition to other factors and matters discussed under Risk Factors in TEP's Annual Report on Form 10-K for the year ended December 31, 2023, and in TEP's other filings with the Securities and Exchange Commission and elsewhere in this report. These factors include: voter initiatives and state and federal regulatory and legislative decisions and actions, including changes in tax policies, inclusive of the Inflation Reduction Act of 2022 and evolving interpretive guidance related thereto, and energy policies and the adoption of new regulations regarding electric service disconnections and any change in the structure of utility service in Arizona resulting from the Arizona Corporation Commission's or state legislature's examination of the state's energy policies; changes in, and compliance with, environmental laws and regulatory decisions and policies that could increase operating and capital costs, reduce generation facility output, or accelerate generation facility retirements; unfavorable rulings, penalties, or findings by the Federal Energy Regulatory Commission; regional economic and market conditions that could affect customer growth and electricity usage; potential changes in the benefits of participation in the Energy Imbalance Market; changes in electricity consumption by retail customers; risks related to climate change, including shifts in weather seasonality and extreme weather events affecting electricity usage of our customers, operational performance, and operating and capital costs to ensure system reliability; our forecasts of peak demand and whether existing generation capacity and purchase power agreements are sufficient to meet the expected demand plus reserve margin requirements; the cost of debt and equity capital and access to capital markets and bank markets, which may affect our ability to raise additional capital and use the proceeds from any capital raised as originally intended; the performance of the stock market and a changing interest rate environment, which affect the value of our pension and other postretirement benefit plan assets and our related contribution requirements and expenses; our ability to manage timelines and budgets related to capital projects, including engineering, procurement and construction agreements to develop standalone battery energy storage facilities, and/or to obtain the anticipated performance or other benefits of such capital projects; the potential inability to make additions to our existing high voltage transmission system; unexpected increases in operations and maintenance expense, including inflationary effects, heightened geopolitical instability, and/or global supply chain challenges; resolution of pending litigation matters; changes in accounting standards; changes in our critical accounting estimates; the ongoing impact of mandated energy efficiency and distributed generation initiatives; our ability to effectively implement plans to meet our goals related to reducing carbon emissions by 2035 and 2050, and the potential impact on our financial condition; changes to long-term contracts; the cost of fuel and power supplies; fluctuations or increases in commodity prices; the ability to obtain coal or natural gas from our suppliers; the timing and cost of generation facility decommissioning and mine reclamation activities; cyber-attacks, data breaches, or other cyberspace attacks to our information security and our operations and technology infrastructure, including attacks that may arise from heightened geopolitical instability; physical attacks to our electric generation, transmission and distribution assets; the performance of TEP's generation facilities, including renewable generation resources; the extent of the impact of a global health crisis on our business and operations, and the economic and societal disruptions resulting therefrom and from the government actions taken in response thereto; and the ongoing implementation of TEP's 2023 IRP.

Goal Applicability	Baseline Year	Target Year	Greenhouse Gas Reduction Goal Description (Short)	Source (URL)
Tucson Electric Power (Operating Company)		2050	TEP will work toward an aspirational goal of net zero direct greenhouse gas emissions by 2050.	https://www.tep.com/resource-planning/
	2005	2035	Reduce carbon dioxide emissions from fossil fuel generation by 80% compared to 2005 levels by 2035.	

Notes

1. Additional information on the emissions goals listed above, including how they will be achieved, can be found in the Qualitative section.
2. Information on the type of emissions (e.g., carbon, methane, CO₂e, etc.) and which scope(s) of emissions apply — based on the WRI GHG Reporting Protocol, TCR Reporting Protocol(s), or other acceptable reporting procedures — should be included in the goal description. Emissions reported in the Quantitative section are not based on a Scope 1, 2 or 3 methodology.
3. Goal Applicability refers to the entity to which the goal applies (e.g., parent company, operating company, electric or gas utility, etc.).