



# Electric Company ESG/Sustainability Quantitative Information

**Parent Company:** *UNS Energy Corporation (a Fortis, Inc. Company)*  
**Operating Company(s):** *Tucson Electric Power Company and UniSource Energy Services (UNS Electric Inc. and UNS Gas Inc.)*  
**Business Type(s):** *Vertically Integrated*  
**State(s) of Operation:** *Arizona*  
**State(s) with RPS Programs:** *Arizona*  
**Regulatory Environment:** *Regulated*  
**Report Date:** *September 2023*

Ref. No.	Baseline 2005	Last Year 2021	Current Year 2022	Future Year 2035	Comments, Links, Additional Information, and Notes
<b>Portfolio</b>					
<b>1</b>	<b>Owned Nameplate Generation Capacity at end of year (MW)</b>				<p>Owned generation capacity provided as nominal capacity, rather than nameplate capacity, for consistency with financial reporting, Fortis, Inc. reporting and the Tucson Electric Power and UNS Electric, Inc. Integrated Resource Plans.</p> <p>In June 2022, San Juan Unit 1 was retired. TEP held a 50% ownership interest in San Juan Unit 1 with a total nominal capacity of 170 MW.</p>
1.1	2,064	3,485	3,328	4,508	
1.1	1,528	1,073	903		
1.2	527	2,107	2,107	1,978	
1.3					
1.4					
1.5	9	305	318	2,530	
1.5.1	4				
1.5.2					
1.5.3					
1.5.4	5	55	68	1,668	
1.5.5		250	250	862	
1.6					
<b>2.i</b>	<b>Owned Net Generation for the data year (MWh)</b>				
2.1.i	11,216,000	14,321,000	12,686,000	13,164,000	
2.1.i	10,819,000	5,341,000	4,665,000		
2.2.i	369,000	8,308,000	7,182,000	6,237,000	
2.3.i					
2.4.i					
2.5.i	28,000	672,000	839,000	6,927,000	
2.5.1.i	28,000				
2.5.2.i					
2.5.3.i					
2.5.4.i	Not Available	99,000	112,000	3,858,000	
2.5.5.i		573,000	727,000	3,069,000	
2.6.i					
<b>2.ii</b>	<b>Purchased Net Generation for the data year (MWh)</b>				<p>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.</p> <p>Includes net generation from San Juan Unit 1 through June 2022.</p> <p>Purchased net generation in accordance with SEC Reporting; includes generation for retail and wholesale customers.</p> <p>Other purchases include market purchases from the grid.</p>
2.1.ii	3,314,000	3,436,000	4,375,000	2,230,000	
2.1.ii					
2.2.ii		679,000	807,000		
2.3.ii					
2.4.ii					
2.5.ii		1,275,000	1,574,000	851,000	
2.5.1.ii					
2.5.2.ii					
2.5.3.ii					
2.5.4.ii		1,056,000	1,103,000	569,000	
2.5.5.ii		219,000	471,000	282,000	
2.6.ii	3,314,000	1,482,000	1,994,000	1,379,000	
<b>3</b>	<b>Capital Expenditures and Energy Efficiency (EE)</b>				
3.1	\$203,428,000	\$566,684,000	\$543,413,000		
3.2	122,353	163,890	190,387		
3.3	\$1,965,000	\$13,400,000	\$15,136,000		
<b>4</b>	<b>Retail Electric Customer Count (at end of year)</b>				
4.1	470,000	538,430	544,600		
4.1	45,210	52,550	52,860		
4.2	680	530	580		
4.3	424,120	485,350	491,160		



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Ref. No.	Baseline 2005	Last Year 2021	Current Year 2022	Future Year 2035	Comments, Links, Additional Information, and Notes	
<b>Emissions</b>						
<b>5</b>	<b>GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)</b>					
<b>5.1</b>	<b>Owned Generation</b>					
5.1.1	Carbon Dioxide (CO2)					
5.1.1.1	11,028,000	8,716,000	7,630,000	2,651,000	Includes the emissions from sources <25 MW.	
5.1.1.2	0.983	0.609	0.601	0.201		
5.1.2	Carbon Dioxide Equivalent (CO2e)					
5.1.2.1	11,116,000	8,761,000	7,670,000			
5.1.2.2	0.991	0.612	0.605			
<b>5.2</b>	<b>Purchased Power</b>					
5.2.1	Carbon Dioxide (CO2)					
5.2.1.1	1,553,000	880,000	995,000	167,000		
5.2.1.2	0.469	0.256	0.227	0.075		
5.2.2	Carbon Dioxide Equivalent (CO2e)					
5.2.2.1	1,560,000	883,000	999,000			
5.2.2.2	0.471	0.257	0.228			
<b>5.3</b>	<b>Owned Generation + Purchased Power</b>					
5.3.1	Carbon Dioxide (CO2)					
5.3.1.1	12,581,000	9,596,000	8,625,000	2,818,000		
5.3.1.2	0.866	0.540	0.506	0.183		
5.3.2	Carbon Dioxide Equivalent (CO2e)					
5.3.2.1	12,677,000	9,644,000	8,669,000			
5.3.2.2	0.872	0.543	0.508			
<b>5.4</b>	<b>Non-Generation CO2e Emissions of Sulfur Hexafluoride (SF6)</b>					
5.4.1	Not Available	1,322	11,000			
<b>6</b>	<b>Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)</b>					
6.1	Generation basis for calculation					
	Other					
<b>6.2</b>	<b>Nitrogen Oxide (NOx)</b>					
6.2.1	16,000	5,000	4,000	500		
6.2.2	0.001427	0.00035	0.00032	0.000039		
<b>6.3</b>	<b>Sulfur Dioxide (SO2)</b>					
6.3.1	16,000	4,000	4,000	18		
6.3.2	0.001427	0.00028	0.00032	0.000014		
<b>6.4</b>	<b>Mercury (Hg)</b>					
6.4.1	Not Available	8	6			
6.4.2	Not Available	0.000001	0.000005			



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<b>Resources</b>					
<b>7</b>	<b>Human Resources</b>				
7.1	1,947	2,028	2,014		
7.4	11	11	12		
7.5	18%	55%	50%		
7.6	27%	18%	17%		
7.7	<b>Employee Safety Metrics</b>				
7.7.1	Not Available	2.23	1.30		
7.7.2	Not Available	0.71	0.52		
7.7.3	Not Available	1.27	1.15		
7.7.4	Not Available	0	0		
<b>8</b>	<b>Fresh Water Resources used in Thermal Power Generation Activities</b>				
8.1	Not Available	5,400	4,800		
8.2	Not Available	5,400	4,800		
8.3	Not Available	0.00038	0.00038		
8.4	Not Available	0.00038	0.00038		
<b>9</b>	<b>Waste Products</b>				
9.1	Not Available	2.08	2.25		
9.2	Not Available	2%	1%		

## Forward Looking Information

This report relating to UNS Energy Corporation and its subsidiaries Tucson Electric Power Company ("TEP"), UniSource Energy Services and UNS Electric, Inc. (collectively "we", "us" or "our"), contains forward-looking statements as defined by the Private Securities Litigation Reform Act of 1995. We are 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, 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, 2022, 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; the outcome of TEP's 2022 general rate case or UNS Electric's 2022 general rate case; unfavorable rulings, penalties, or findings by the Federal Energy Regulatory Commission; regional economic and market conditions that could affect customer growth and electricity usage; the continuation of 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 and the performance of our operations; 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; the potential inability to make additions to our existing high voltage transmission system; unexpected increases in operations and maintenance expense, including inflationary effects; 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; 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 and UNS Electric'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 and UNS Electric's respective 2020 IRPs.

Goal Applicability	Baseline Year	Target Year	Reduction Goal Description (Short)	Source (URL)
Tucson Electric Power (Operating Company)	2005	2035	Reduce Scope 1 carbon dioxide emissions from fossil fuel generation by 80% compared to 2005 levels by 2035.	<a href="https://www.tep.com/resource-planning/">https://www.tep.com/resource-planning/</a>
	NA	2035	Expansion of clean energy resources that will provide 70% renewable power 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, CO<sub>2</sub>e, 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.).



# Gas Company ESG/Sustainability Quantitative Information

**Parent Company:** UNS Energy Corporation (a Fortis, Inc. Company)  
**Operating Company(s):** UNS Gas, Inc.  
**Business Type(s):** Local Distribution Company  
**State(s) of Operation:** Arizona  
**Regulatory Environment:** Regulated  
**Report Date:** September 2023

Ref. No.		Last Year 2021	Current Year 2022
<b>Natural Gas Distribution</b>			
<b>1</b>	<b>METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS</b>		
1.1	Number of Gas Distribution Customers	165,000	167,000
1.2	Distribution Mains in Service	3,126	3,139
1.2.1	Plastic (miles)	1,735	1,748
1.2.2	Cathodically Protected Steel - Bare & Coated (miles)	1,391	1,391
1.2.3	Unprotected Steel - Bare & Coated (miles)	0	0
1.2.4	Cast Iron / Wrought Iron - without upgrades (miles)	0	0
1.3	Plan/Commitment to Replace / Upgrade Remaining Miles of Distribution Mains (# years to complete)	NA	NA
1.3.1	Unprotected Steel (Bare & Coated) (# years to complete )	NA	NA
1.3.2	Cast Iron / Wrought Iron (# years to complete )	NA	NA
2	Distribution CO2e Fugitive Emissions		
2.1	CO2e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	15,031	15,098
2.2	CH4 Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	601.24	603.91
2.2.1	CH4 Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)	31.31	31.45
2.3	Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)	41,778,972	39,001,530
2.3.1	Annual Methane Gas Throughput from Gas Distribution Operations in millions of standard cubic feet (MMscf/year)	39,690	37,051
2.4	Fugitive Methane Emissions Rate (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.08%	0.08%
<b>Human Resources</b>			
1.1	Total Number of Employees	Refer to EEI Quantitative Information for Human Resources Information	
1.2	Percentage of Women in Total Workforce		
1.3	Percentage of Minorities in Total Workforce		
2.1	Total Number on Board of Directors/Trustees		
2.2	Percentage of Women on Board of Directors/Trustees		
2.3	Percentage of Minorities on Board of Directors/Trustees		
3	Employee Safety Metrics		
3.1	Recordable Incident Rate		
3.2	Lost-time Case Rate		
3.3	Days Away, Restricted, and Transfer (DART) Rate		
3.4	Work-related Fatalities		