

# 2020-2021 Sustainability Accounting Standards Board (SASB) Mapping Report

## Electric Utilities & Power Generators

### SUSTAINABILITY DISCLOSURE TOPICS & ACCOUNTING METRICS

Disclosures	SASB Code	Accounting Metric	Response
<b>Greenhouse Gas Emissions &amp; Energy Resource Planning</b>	IF-EU-110a.1	(1) Gross global Scope 1 emissions, percentage covered under (2) emissions-limiting regulations and (3) emissions-reporting regulations.	(1) <a href="#">2021 CDP Climate Change, C71a</a> (2) N/A (3) 99.8% (Approximately 0.2% of Scope 1 emissions are from fleet vehicles that are not reported under any regulation.)
	IF-EU-110a.2	Greenhouse gas (GHG) emissions associated with power deliveries.	1,288 lbs/MWh average emission rate  DTE also reports this value to the EEI Electric Company Carbon Emissions database which can be accessed here: <a href="#">CO<sub>2</sub> Emissions (eei.org)</a>
	IF-EU-110a.3	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.	<a href="#">2021 Environmental, Social and Governance Sustainability Report</a>
	IF-EU-110a.4	(1) Number of customers served in markets subject to renewable portfolio standards (RPS) and (2) percentage fulfillment of RPS target by market.	(1) <a href="#">2021 Environmental, Social and Governance Sustainability Report, section 4</a>  (2) DTE meets 100% of its RPS obligation as documented in the Annual Renewable Cost Reconciliation Report submitted to the Michigan Public Service Commission, which can be accessed here: <a href="#">DTE Electric Company's Renewable Cost Reconciliation Application, Exhibit A-8, p. 116</a>
<b>Air Quality</b>	IF-EU-120a.1	Air emissions of the following pollutants: (1) NOx (excluding N <sub>2</sub> O), (2) SO <sub>x</sub> , (3) particulate matter (PM <sub>10</sub> ), (4) lead (Pb), and (5) mercury (Hg); percentage of each in or near areas of dense population.	<a href="#">2021 Environmental, Social and Governance Sustainability Report, section 6</a>

## Electric Utilities & Power Generators (cont.)

Disclosures	SASB Code	Accounting Metric	Response
<b>Water Management</b>	IF-EU-140a.1	(1) Total water withdrawn, (2) total water consumed; percentage of each in regions with high or extremely high baseline water stress.	<a href="#">2021 Environmental, Social and Governance Sustainability Report, section 8</a> <a href="#">2021 CDP Water Security, W1.2b</a>
	IF-EU-140a.2	Number of incidents of non-compliance associated with water quantity and/or quality permits, standards and regulations.	In 2020, one (1) incident of non-compliance associated with water permits and \$0 in fines for DTE Electric
	IF-EU-140a.3	Description of water-management risks and discussion of strategies and practices to mitigate those risks.	<a href="#">2021 CDP Water Security, W3.3</a>
<b>Coal Ash Management</b>	IF-EU-150a.1	Amount of coal combustion residuals (CCR) generated and percentage recycled.	<a href="#">2020-2021 Corporate Citizenship Report, GRI 306-2</a>
	IF-EU-150a.2	Total number of coal combustion residual (CCR) impoundments, broken down by hazard potential classification and structural integrity assessment.	<a href="#">DTE Coal Combustion Residual Rule Compliance Data and Information</a>
<b>Energy Affordability</b>	IF-EU-240a.1	Average retail electric rate for (USD/kwh):	
		(1) residential,	(1) \$0.173
		(2) commercial and	(2) \$0.113
	(3) industrial customers.	(3) \$0.070	
IF-EU-240a.2	Typical monthly electric bill for residential customers for (USD/month)		
	(1) 500 kWh and (2) 1,000 kWh of electricity delivered per month.	(1) \$85.18 (2) \$170.78	
IF-EU-240a.3	Number of residential customer electric disconnections for non-payment, percentage reconnected within 30 days (meter level).	77,704 (meter level) disconnections  Reconnect data not reported because restores are not directly correlated to disconnects for non-payment.	
IF-EU-240a.4	Discussion of impact of external factors on customer affordability of electricity, including the economic conditions of the service territory.	DTE Energy's <a href="#">10-K for fiscal year ending Dec. 31, 2020, Item 1A. Risk Factors</a>  <a href="#">2021 Environmental, Social and Governance Sustainability Report</a>  DTE Press Release, July 9, 2020: <a href="#">Michigan Commission Approves DTE Plans to Keep Stable Electric Rates until 2022 and Achieve 2021 Renewable Energy Goal</a>	
<b>Workforce Health &amp; Safety</b>	IF-EU-320a.1	(1) Total recordable incident rate (TRIR), (2) fatality rate and (3) near miss frequency rate (NMFR).	<a href="#">2021 Environmental, Social and Governance Sustainability Report, section 7.7</a>

## Electric Utilities & Power Generators (cont.)

Disclosures	SASB Code	Accounting Metric	Response
<b>End-Use Efficiency &amp; Demand</b>	IF-EU-420a.1	Percentage of electric utility revenues from rate structures that (1) are decoupled and (2) contain a lost revenue adjustment mechanism (LRAM).	We do not, by law, have such mechanisms at the electric company.
	IF-EU-420a.2	Percentage of electric load served by smart grid technology.	100%
	IF-EU-420a.3	Customer electricity savings from efficiency measures, by market.	<a href="#">2020 Energy Waste Reduction Report</a>
<b>Nuclear Safety &amp; Emergency Management</b>	IF-EU-540a.1	Total number of nuclear power units, broken down by U.S. Nuclear Regulatory Commission (NRC) Action Matrix Column.	DTE Energy's <a href="#">10-K for fiscal year ending Dec. 31, 2020</a>
	IF-EU-540a.2	Description of efforts to manage nuclear safety and emergency preparedness.	DTE Energy's <a href="#">10-K for fiscal year ending Dec. 31, 2020</a>
<b>Grid Resilience</b>	IF-EU-550a.1	Number of incidents of non-compliance with physical and/or cybersecurity standards or regulations.	<a href="#">2021 Environmental, Social and Governance Sustainability Report</a>
	IF-EU-550a.2	(1) System Average Interruption Duration Index (SAIDI), (2) System Average Interruption Frequency Index (SAIFI) and (3) Customer Average Interruption Duration Index (CAIDI), inclusive of major event days.	<a href="#">2020-2021 Corporate Citizenship Report, EU28 and EU29</a>

### ACTIVITY METRICS

SASB Code	Activity Metric	Response
<b>IF-EU-000.A</b>	Number of: (1) residential, (2) commercial and (3) industrial customers served.	(1) Residential: 2,019,951 (2) Commercial: 210,099 (3) Industrial: 839
<b>IF-EU-000.B</b>	Total electricity delivered to (MWh) : (1) residential, (2) commercial, (3) industrial, (4) all other retail customers, and (5) wholesale customers.	DTE Energy's <a href="#">10-K for the fiscal year ending Dec. 31, 2020</a>
<b>IF-EU-000.C</b>	Length of transmission and distribution lines (km).	DTE Energy's <a href="#">10-K for the fiscal year ending Dec. 31, 2020</a>
<b>IF-EU-000.D</b>	Total electricity generated, percentage by major energy source, percentage in regulated markets.	<a href="#">2021 Environmental, Social and Governance Sustainability Report</a>
<b>IF-EU-000.E</b>	Total wholesale electricity purchased (MWh).	14,728,717

# Gas Utilities & Distributors

## SUSTAINABILITY DISCLOSURE TOPICS & ACCOUNTING METRICS

Topic	SASB Code	Accounting Metric	Response
<b>Energy Affordability</b>	IF-GU-240a.1	Average retail gas rate for (USD/MMBtu): (1) residential, (2) commercial, (3) industrial customers and (4) transportation services only.	(1) \$6.73 (2) \$6.00 (3) N/A (4) N/A
	IF-GU-240a.2	Typical monthly gas bill for residential customers for (USD/month) (1) 50 MMBtu and (2) 100 MMBtu of gas delivered per year.	(1) \$39.75 (2) \$66.17
	IF-GU-240a.3	Number of residential customer gas disconnections for non-payment, percentage reconnected within 30 days (meter level).	3,836 (meter level) disconnections Reconnect data not reported because restores are not directly correlated to disconnects for non-payment.
	IF-GU-240a.4	Discussion of impact of external factors on customer affordability of gas, including the economic conditions of the service territory.	DTE Energy's <a href="#">10-K for fiscal year ending Dec. 31, 2020</a>  <a href="#">2021 Environmental, Social and Governance Sustainability Report</a>
<b>End-Use Efficiency</b>	IF-GU-420a.1	Percentage of gas utility revenues from rate structures that (1) are decoupled or (2) contain a lost revenue adjustment mechanism (LRAM).	87%
	IF-GU-420a.2	Customer gas savings from efficiency measures by market (MMBtu).	<a href="#">2020 Energy Waste Reduction Report</a>
<b>Integrity of Gas Delivery Infrastructure</b>	IF-GU-540a.1	Number of: (1) reportable pipeline incidents, (2) Corrective Action Orders (CAO) and (3) Notices of Probable Violation (NOPV).	(1) 2 (2) 0 (3) 0
	IF-GU-540a.2	Percentage of distribution pipeline that is (1) cast and/or wrought iron and (2) unprotected steel.	(1) 8.32% (2) 6.04%
	IF-GU-540a.3	Percentage of gas (1) transmission and (2) distribution pipelines inspected.	(1) 61% (2) N/A
	IF-GU-540a.4	Description of efforts to manage the integrity of gas delivery infrastructure, including risks related to safety and emissions.	<a href="#">2021 Environmental, Social and Governance Sustainability Report</a>

# Gas Utilities & Distributors (cont.)

## ACTIVITY METRICS

SASB Code	Activity Metric	Response
<b>IF-GU-000.A</b>	Number of: (1) residential, (2) commercial and (3) industrial customers served.	(1) Residential: 1,201,684 (2) Commercial: 89,208 (3) Industrial: 45
<b>IF-GU-000.B</b>	Amount of natural gas delivered to: (1) residential customers, (2) commercial customers, (3) industrial customers, and (4) transferred to a third party.	DTE Energy's <a href="#">10-K for fiscal year ending Dec. 31, 2020</a>
<b>IF-GU-000.C</b>	Length of gas (km) (1) transmission and (2) distribution pipelines.	(1) 3,010 km (2) 32,751 km