

Welcome to your CDP Climate Change Questionnaire 2023

C0. Introduction

C0.1

(C0.1) Give a general description and introduction to your organization.

DTE Energy (NYSE:DTE) is a Detroit-based diversified energy Company involved in the development and management of energy-related businesses and services nationwide. Its operating units include an electric Company serving 2.3 million customers in Southeast Michigan and a natural gas Company serving 1.3 million customers in Michigan. The DTE portfolio includes energy businesses focused on custom energy solutions, renewable energy generation and energy marketing and trading.

C0.2

(C0.2) State the start and end date of the year for which you are reporting data and indicate whether you will be providing emissions data for past reporting years.

Reporting year

Start date

January 1, 2022

End date

December 31, 2022



Indicate if you are providing emissions data for past reporting years

No

C0.3

(C0.3) Select the countries/areas in which you operate.

United States of America

C0.4

(C0.4) Select the currency used for all financial information disclosed throughout your response.

USD

C0.5

(C0.5) Select the option that describes the reporting boundary for which climate-related impacts on your business are being reported. Note that this option should align with your chosen approach for consolidating your GHG inventory.

Equity share

C-EU0.7

(C-EU0.7) Which part of the electric utilities value chain does your organization operate in? Select all that apply.

Row 1

Electric utilities value chain

Electricity generation

Distribution

Other divisions



C-OG0.7

(C-OG0.7) Which part of the oil and gas value chain and other areas does your organization operate in?

Row 1

Oil and gas value chain

Downstream

Other divisions

Biofuels

Grid electricity supply from gas

Grid electricity supply from coal

Grid electricity supply from renewables

Carbon capture and storage/utilization

C0.8

(C0.8) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

Indicate whether you are able to provide a unique identifier for your organization	Provide your unique identifier
Yes, an ISIN code	2333311072

C1. Governance

C1.1

(C1.1) Is there board-level oversight of climate-related issues within your organization?

Yes



C1.1a

(C1.1a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for climate-related issues.

Position of individual or committee	Responsibilities for climate-related issues
Board-level committee	The Board’s commitment to ESG has been and continues to be effectuated through its committee structure. As further described in our proxy statement, the Public Policy and Responsibility Committee maintains primary oversight for ESG matters generally, while the Audit, Organization & Compensation, and Corporate Governance Committees oversee those matters within their expertise, and the entire Board remains committed to and updated on these matters regularly.

C1.1b

(C1.1b) Provide further details on the board’s oversight of climate-related issues.

Frequency with which climate-related issues are a scheduled agenda item	Governance mechanisms into which climate-related issues are integrated	Please explain
Scheduled – some meetings	Overseeing major capital expenditures Reviewing and guiding strategy Overseeing and guiding the development of a transition plan Monitoring progress towards corporate targets Overseeing and guiding public policy engagement	The Board of Directors meets regularly to lead our company, creating and sustaining long-term value for all stakeholders. With respect to sustainability, the board of directors: <ul style="list-style-type: none"> · Bears responsibility for oversight and risk management of plans to create long-term value for shareholders while ensuring our company operates in an environmentally and socially responsible manner · Oversees company management and assesses the effectiveness of management policies and decisions, including management’s development and



	Reviewing and guiding the risk management process	execution of our company's strategies · Reviews all major environmental initiatives
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C1.1d

(C1.1d) Does your organization have at least one board member with competence on climate-related issues?

	Board member(s) have competence on climate-related issues
Row 1	

C1.2

(C1.2) Provide the highest management-level position(s) or committee(s) with responsibility for climate-related issues.

Position or committee

Chief Executive Officer (CEO)

Climate-related responsibilities of this position

- Managing annual budgets for climate mitigation activities
- Managing major capital and/or operational expenditures related to low-carbon products or services (including R&D)
- Developing a climate transition plan
- Implementing a climate transition plan
- Integrating climate-related issues into the strategy

Coverage of responsibilities

Reporting line

Reports to the board directly



Frequency of reporting to the board on climate-related issues via this reporting line

As important matters arise

Please explain

Our chairman and CEO, together with other senior leaders of the company, including the vice president of Environmental Management and Safety, provide leadership and oversight of our sustainability initiatives.

Through enterprise priority meetings and/or other leadership committees DTE's senior management team:

- Gather and respond to input from investors, regulating bodies and other key stakeholders regarding our sustainability strategies, initiatives and priorities
- Review internal ESG data and disclosure documents in consultation with relevant business units
- Execute our company's sustainability strategies, including governance, engagement and oversight initiatives, in consultation with the board of directors
- Manage our environmental compliance processes and carbon-reduction strategy
- Manage the progress of our diversity, equity and inclusion strategies
- Mobilize our employees, resources and partner organizations to strengthen and promote prosperity in our communities
- Report the outcomes of our sustainability initiatives to the board of directors
- Manage risks and opportunities associated with environmental and social initiatives · Receive compensation tied to the achievement of company goals



C1.3

(C1.3) Do you provide incentives for the management of climate-related issues, including the attainment of targets?

	Provide incentives for the management of climate-related issues	Comment
Row 1		

C2. Risks and opportunities

C2.1

(C2.1) Does your organization have a process for identifying, assessing, and responding to climate-related risks and opportunities?

Yes

C2.1a

(C2.1a) How does your organization define short-, medium- and long-term time horizons?

	From (years)	To (years)	Comment
Short-term	0	5	Aligned with annual planning cycles and shorter-term targets to reach performance goals.
Medium-term	5	15	Generally aligned with the legislative Integrated Resource Plan (IRP) timeframe and other regulatory submittals and disclosures required by the Michigan Public Service Commission.
Long-term	15	30	Aligned with DTE Energy's goal to achieve net zero carbon emissions by 2050.

C2.1b

(C2.1b) How does your organization define substantive financial or strategic impact on your business?



DTE identifies issues that are material to its financial or strategic planning in required financial filings to the Securities and Exchange Commission (e.g., annual 10-K reports). SEC provides guidance on reporting material issues in financial statements in SEC Staff Accounting Bulletin No. 99, August 12, 1999. The Bulletin suggests that a mix of quantitative and qualitative information is necessary to evaluate the materiality of an aspect or issue. The definition of materiality extends to any financial and strategic impact that an investor would deem substantive, and DTE aims to maintain a reputation of sound risk assessment and management among its investors. For example, extreme weather conditions are identified as a risk in our 2022 10-K Annual Report, which we would consider a substantive financial or strategic impact if it caused damage to the electric distribution system infrastructure and power generation facilities. Recovering from these setbacks would result in increased costs from unforeseen maintenance to our power generation facilities, therefore negatively impacting the financial performance of the company.

A brief explanation of the more significant risks associated with DTE Energy's businesses are provided in our 2022 Form 10-K annual report. Although we have tried to identify and discuss key risk factors, others could emerge in the future. Key risk factors related to climate change include the following:

- Environmental laws and liability may be costly.
- Weather significantly affects operations.
- We may not achieve the carbon emissions goals of our electric and gas utilities.

Finally, long-range planning risks associated with the transition of DTE's generating fleet to less carbon-intensive technologies are addressed through the company's Integrated Resource Planning process. These risks include increasing pressure by investors and other stakeholders to conduct climate scenario analyses demonstrating the company's commitment to limiting global warming to less than 2-degrees C above pre-industrial levels.

C2.2

(C2.2) Describe your process(es) for identifying, assessing and responding to climate-related risks and opportunities.

Value chain stage(s) covered

Direct operations

Risk management process



Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment

More than once a year

Time horizon(s) covered

Short-term

Medium-term

Long-term

Description of process

The Board receives, reviews and assesses reports from the board committees and from management relating to enterprise-level risks. Each board committee is responsible for overseeing and considering risk issues relating to their respective committee and reporting their assessments to the full Board at each regularly scheduled board meeting. When granting authority to management, reviewing strategies and receiving management reports, the board and committees consider, among other things, the risks we face.

Each board committee reviews management’s assessment of risk for that committee’s respective area of responsibility. As part of its oversight function, the board addresses any risk conflicts that may arise between the committees and assigns any emerging risks that do not fall within a specific committee’s responsibilities to the most relevant committee.

C2.2a

(C2.2a) Which risk types are considered in your organization's climate-related risk assessments?

	Relevance & inclusion	Please explain
Current regulation	Relevant, always included	In late 2016, Michigan passed legislation requiring electricity providers to meet a 12.5% renewable portfolio standard by 2019 and 15% by 2021 and a clean energy goal of meeting at least 35% of the State's electric needs through energy waste reduction and renewable energy by 2025. The Michigan energy legislation also requires periodic submittal of an Integrated Resource Plan (IRP) to the Michigan Public Service Commission. DTE Electric submitted its latest IRP in



		November 2022 and reached settlement with the MPSC in July 2023, resulting in the carbon emission reduction goals described in our response to C4.1.
Emerging regulation	Relevant, always included	In May 2023, the EPA proposed new rules to address emissions of GHGs from existing, new, modified, or reconstructed sources in the power sector. The financial impact of the rule cannot be estimated until a final rule is issued, which is currently expected in 2024.
Technology	Relevant, sometimes included	Technology uncertainties that may impact future planning is feasibility and cost of technologies. Technologies being considered to help us reach our net zero goals and which will be considered in our generation planning include energy storage, carbon capture and storage, small modular nuclear reactors, and alternative fuels such as renewable natural gas or hydrogen.
Legal	Relevant, always included	Failure to meet legal requirements related to climate issues carry the risk of litigation.
Market	Relevant, sometimes included	A carbon emission trading or similar program that could be required by future legislation or regulations could potentially impact the affordability of electricity to our customers, depending on the impact of placing a price on the direct emissions of carbon.
Reputation	Relevant, always included	An example of a reputational risk is repeated outages and reliability impacts from severe weather events. Mitigation of this risk is addressed in DTE Electric's distribution operations investment and maintenance plan filed with the MPSC. This plan will be updated and submitted in September 2023.
Acute physical	Relevant, always included	An example of acute physical risk is the increased frequency of severe storm events (e.g., severe thunderstorms, tornadoes, wind storms, floods and ice storms), which have an impact on the electrical transmission and distribution system infrastructure (e.g., poles and wires). DTE has a Storm Emergency Plan that is put into action during storm emergencies and reviewed for improvement in after action reviews following each storm.
Chronic physical	Relevant, sometimes included	An example of chronic physical risk is decreases or increases in Great Lakes water levels due to changes in precipitation and evaporation patterns, which could have a negative impact on the ability to utilize water for electric generation cooling purposes or in transporting fuel and other raw materials to our plants via water vessels.



		Warmer average summer and winter temperatures could potentially impact seasonal demand for electricity and natural gas.
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C2.3

(C2.3) Have you identified any inherent climate-related risks with the potential to have a substantive financial or strategic impact on your business?

Yes

C2.3a

(C2.3a) Provide details of risks identified with the potential to have a substantive financial or strategic impact on your business.

Identifier

Risk 1

Where in the value chain does the risk driver occur?

Risk type & Primary climate-related risk driver

Emerging regulation

Mandates on and regulation of existing products and services

Primary potential financial impact

Increased direct costs

Company-specific description

Pending or future legislation or other regulatory actions could have a material impact on DTE Electric's operations and financial position and the rates charged to its customers. Impacts include expenditures for environmental equipment beyond what is currently planned, financing costs related to additional capital expenditures, the purchase of emission credits from market sources, higher costs of purchased power, and the



retirement of facilities where control equipment is not economical. DTE Electric would seek to recover these incremental costs through increased rates charged to its utility customers, as authorized by the MPSC.

Increased costs for energy produced from traditional coal-based sources due to recent, pending, and future regulatory initiative; could also increase the economic viability of energy produced from renewable, natural gas fueled generation, nuclear sources, energy waste reduction initiatives, and the potential development of market-based trading of carbon instruments which could provide new business opportunities for DTE Energy's utility and nonutility segments. At the present time, it is not possible to quantify the financial impacts of these climate related regulatory initiatives on DTE Energy or its customers.

Time horizon

Medium-term

Likelihood

More likely than not

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

The Company cannot predict the financial impact of this risk at this time.

Cost of response to risk

Description of response and explanation of cost calculation

We manage these risks through the Board Committee structure described in our response to Question C1.1 and through our established long-term planning processes. We are actively involved in shaping and influencing proposed regulations at both the state and federal level through our involvement with industry groups. We advocate for environmental policy that proceeds in a manner that can be absorbed financially by our customer base.

Comment

No additional cost of management - these costs are integrated into existing budgets.

Identifier

Risk 2

Where in the value chain does the risk driver occur?

Risk type & Primary climate-related risk driver

Technology

Transitioning to lower emissions technology

Primary potential financial impact

Increased capital expenditures

Company-specific description

Risks are managed through the Board Committee structure described in our response to Question C1.1 and through our established long-term planning processes, including the IRP process that is managed by the MPSC. We must seek approval from the MPSC for electric rate increases to support the capital costs of transitioning to a lower carbon supply of electricity.

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Items that will affect the financial impact of DTE Electric's clean energy transition are described in the July 2023 approved IRP settlement agreement. DTE Electric will be investing over \$11 billion into the clean energy transition over the next ten years while reducing the future cost of the plan for the Company's customers by a projected \$2.5 billion. DTE Electric will also be directing an additional \$110 million to support income-qualified home energy efficiency programs, customer affordability programs and access to clean energy resources for the Company's most vulnerable customers.

Cost of response to risk

Description of response and explanation of cost calculation



The 2023 IRP settlement agreement will drive investment in clean and reliable energy by:

Developing more than 15,000 megawatts of Michigan-made renewable energy by 2042.

Accelerating the development of energy storage, targeting 780 megawatts through 2030 with a goal of more than 1,800 megawatts of storage by 2042 – reinforcing DTE’s commitment to clean and reliable energy and more than doubling current storage capacity

Ending DTE’s use of coal in 2032 with a responsible, phased retirement schedule of the Belle River and Monroe coal power plants – dramatically reducing the Company’s use of coal from 77% in 2005 to 0% in less than three decades

The Company has further accelerated the retirement of the Monroe Power Plant – with half of the plant retiring in 2028 and full retirement in 2032

The Company will provide re-training for employees impacted by the coal plant retirements and will continue to partner with the local communities, who for years have hosted these coal-fired plants, on new economic development opportunities.

Targeting 2% energy savings level from energy efficiency through 2027

Supporting increased distributed generation on the Company’s distribution system.

Comment

No additional cost of management - these costs are integrated into existing budgets.

Identifier

Risk 3

Where in the value chain does the risk driver occur?

Risk type & Primary climate-related risk driver

Primary potential financial impact

Other, please specify

Reduction in price of DTE shares due to market reaction

Company-specific description

Incorrect or negative perceptions of the company's approach to addressing climate change may lead to shareholder resolutions requesting additional action from the company.

Time horizon

Short-term

Likelihood

About as likely as not

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure



The estimated financial implications would vary depending on the scope of a proposed shareholder resolution. We cannot predict the financial impact of this risk at this time.

Cost of response to risk

Description of response and explanation of cost calculation

An action being implemented is the Company's active communication with its shareholders about a broad range of topics through published sustainability reports. For example, DTE voluntarily publishes an annual Sustainability Report. This includes the EEI/AGA ESG Template that allows investors to compare environmental impacts and initiatives across companies within the electric utility and natural gas industries. Furthermore, DTE publishes an annual Corporate Citizenship Global Reporting Initiative (GRI) Report that is indexed to the GRI standards. We respond to ESG stakeholder requests for information such as the CDP Carbon and CDP Water questionnaires. Our shareholder engagement efforts have generated valuable feedback related to renewable energy and sustainability, and we will continue to seek input from our shareholders around these issues.

Comment

We do not expect this risk to require an additional cost of management - these costs are integrated into existing budgets.

Identifier

Risk 4

Where in the value chain does the risk driver occur?

Risk type & Primary climate-related risk driver

Primary potential financial impact

Increased direct costs

Company-specific description



Ice storms, wind storms, severe thunderstorms and tornadoes can damage the electric distribution system infrastructure and require us to perform emergency repairs and incur material unplanned expenses. The expenses of storm restoration efforts may not be fully recoverable through the regulatory process. The biggest financial implications associated with the identified risks are the severe weather events for which DTE Electric Co. already has an existing budgeting and planning process in place to manage.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

DTE Electric's capital investments over the 2023-2027 period are estimated at \$9 billion for distribution infrastructure which will strengthen the reliability and resiliency of the electric distribution infrastructure. The approach to developing the infrastructure upgrade costs is explained in a five year distribution operations investment and maintenance plan to improve system reliability that DTE Electric filed with the MPSC in 2021 and that will be updated in September 2023. DTE Electric is required to update this plan on a regular basis and will seek regulatory approval for capital expenditures consistent with prior ratemaking treatment.

Cost of response to risk

Description of response and explanation of cost calculation

DTE Electric maintains a storm emergency and readiness center that is put into action when severe weather causes sudden increases in customer outages. The unpredictability of severe weather events makes it difficult to quantify the potential incremental cost of this risk that would be attributed to climate change. We don't expect physical risks from climate change to impact the company's storm emergency planning process in a way that would impact our normal long-range planning process. We cannot predict whether long term changes in frequency of severe weather events due to climate change will have more of an impact on the electric distribution infrastructure than normal year to year variations in severe weather events.

Comment

No additional cost of management - these costs are integrated into existing budgets.

Identifier

Risk 5

Where in the value chain does the risk driver occur?

Risk type & Primary climate-related risk driver

Primary potential financial impact

Decreased revenues due to reduced demand for products and services

Company-specific description

Year to year deviations from normal hot and cold weather conditions affect our earnings and cash flow. Warmer than normal winters reduce the need for natural gas for heating, resulting in lower gas sales to retail customers by DTE Gas. Higher than normal summer temperatures



increase electricity demand for residential and commercial air conditioning, and potentially increase peak demand days for DTE Electric, but cooler than normal summer temperatures may decrease forecasted electric revenues.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

We cannot predict whether long-term trends in average temperatures due to climate change will have more of an impact on the demand for electricity or natural gas than year to year variations from normal temperatures. We cannot predict the financial impacts of this risk at this time.

Cost of response to risk

Description of response and explanation of cost calculation



We don't expect physical risks from climate change to impact the company in a way that would impact our normal long-range planning process. Meeting customer demand for our products is part of our normal operational planning. We do not see any change as a result of increased temperatures impacting this process.

Comment

No additional cost of management - these costs are integrated into existing budgets.

Identifier

Risk 6

Where in the value chain does the risk driver occur?

Risk type & Primary climate-related risk driver

Primary potential financial impact

Increased direct costs

Company-specific description

Decreases or increases in Great Lakes water levels due to changes in precipitation and evaporation patterns could have a negative impact on the ability to utilize water for electric generation cooling purposes or in transporting fuel and other raw materials to our plants via water vessels.

Time horizon

Short-term

Likelihood

Very likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Financial implications of Great Lakes water level changes could include capital costs to change cooling water intake structures and equipment, and costs to modify existing vessel unloading facilities. A longer shipping season on the Great Lakes due to warmer lake temperatures could have beneficial financial impacts due to a longer season for shipping coal and other commodities transported by ship. We cannot predict the financial impact of Great Lakes water level changes at this time.

Cost of response to risk

Description of response and explanation of cost calculation

We don't expect physical risks from climate change to impact the company in a way that would impact our normal long-range planning process. Over the past 100 years, Lake Erie and Lake Huron levels have fluctuated by almost 2 meters from highest levels to lowest levels. The company has planned around these fluctuations in the past and is not actively planning to manage or adapt to changes in Great Lakes water levels as a result of climate change.

Comment

No additional cost of management - these costs are integrated into existing budgets.

Identifier

Risk 7

Where in the value chain does the risk driver occur?

Risk type & Primary climate-related risk driver

Emerging regulation

Mandates on and regulation of existing products and services

Primary potential financial impact

Decreased revenues due to reduced demand for products and services

Company-specific description

Potential restrictions by local governments on new natural gas distribution infrastructure, including bans on natural gas hook-ups for new construction.

Time horizon

Medium-term

Likelihood

About as likely as not

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

The magnitude of the financial impact would depend on the size of the community or local government that implements restrictions on natural gas infrastructure. We cannot predict the financial impact of ordinances that could restrict the use or growth of natural gas infrastructure at this time.

Cost of response to risk

Description of response and explanation of cost calculation

The company has an active stakeholder outreach process that works with municipalities and local governments to help them achieve their energy needs and goals while keeping costs affordable for our customers.

Comment

No additional cost of management - these costs are integrated into existing budgets.

C2.4

(C2.4) Have you identified any climate-related opportunities with the potential to have a substantive financial or strategic impact on your business?

Yes

C2.4a

(C2.4a) Provide details of opportunities identified with the potential to have a substantive financial or strategic impact on your business.

Identifier

Opp1

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Energy source

Primary climate-related opportunity driver

Use of lower-emission sources of energy

Primary potential financial impact

Returns on investment in low-emission technology

Company-specific description

DTE Electric has approximately 100 project sites located throughout the state which total approximately 15,000 MW of solar capacity. Through the end of the decade, we expect to develop approximately 5,000 MW of solar. We have four 2023/2024 projects - two of these are fully permitted, and the third is nearing final approval, expected mid-September 2023. We expect to receive approval for the fourth project in Q2 2024. This timing is contingent on additional conversations with community leaders. We are also developing seven projects expected to deliver in the 2025/2026 calendar years.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

DTE Electric's capital investments over the 2023-2027 period are estimated at \$5 billion for cleaner generation including renewables. DTE Electric plans to seek regulatory approval for capital expenditures consistent with ratemaking treatment.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

DTE Energy plans to seek regulatory approval to include utility capital expenditures in regulatory rate base consistent with prior treatment.

Comment

Our path to net zero carbon emissions is described at: <https://dtecleanenergy.com> as well as in our sustainability reporting at Performance - Empowering Michigan

Identifier

Opp2

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

Development and/or expansion of low emission goods and services

Primary potential financial impact

Increased revenues resulting from increased demand for products and services

Company-specific description

Increased customer participation in voluntary green pricing programs. DTE Energy currently offers the following voluntary green pricing programs to customers:

- 1) DTE's CleanVision MIGreenPower program helps customers reduce their carbon footprint and meet their personal or business sustainability goals by attributing more of their electricity use to our wind and solar projects, beyond the 15% we already provide. Per a National Renewable Energy Laboratory 2021 survey, MIGreenPower is among the largest voluntary renewable energy programs in the country. At the end of 2022, program subscribers included more than 75,000 residential customers, 800 businesses and 65 industrial customers. On an annual basis, MIGreenPower customers have enrolled four million megawatt hours of clean energy in the program, which has the environmental benefit equivalent to taking more than 630,000 gasoline-powered vehicles off the road. Also in 2022
- 2) As part of DTE Energy's 2050 net zero commitment, DTE Gas launched its CleanVision Natural Gas Balance program in January 2021 that offers customers a way to manage their carbon footprint using carbon offsets and renewable natural gas. The program has approximately 12,000 residential and small business customers enrolled through the middle of 2023.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure



Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

The voluntary green power program and associated tariff are designed to grow with customer demand in phases. New assets will be added to ensure the program grows with our customers' needs. Initial program assets will be approved through the existing REP contract-approval process, ensuring fairness and cost competitiveness. Understanding that it would not be prudent to bring on excess resources without adequate demand, DTE aims to manage both forecasted demand and renewable energy construction timelines to ensure that there is no extended gap in program availability to new subscribers. The build plan is designed to be flexible and accommodate growing demand over time for DTE's voluntary green power programs.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

The MIGreenPower and CleanVision Natural Gas Balance programs are managed through established marketing and billing programs. Launched in April 2017, the MIGreenPower program provides interested customers with an easy and affordable way to reduce their carbon footprint by increasing the percentage of their energy usage that is attributed to DTE's newest renewable projects. Customers who subscribe to MIGreenPower can elect to increase the amount of renewable energy they use in 5 percent increments, up to 100 percent. Similarly, the CleanVision Natural Gas Balance program is managed through established marketing and billing programs. The program has focused on providing customers with high quality, local options to manage their carbon footprint. To date, 100% of the carbon offsets used are from Michigan-based forestry projects and all but one of the renewable natural gas projects are based in Michigan. DTE Gas residential and small business owners may elect to pay a premium in increments starting at of \$4.00 per month to offset 25 to 100 percent or more of their greenhouse gas emissions. DTE will continue to grow this program to support our emission reduction goals and drive growth of carbon management resources and renewable energy sources in Michigan.

Comment

The company cannot share the cost of these programs at this time.

Identifier

Opp3

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

Development and/or expansion of low emission goods and services

Primary potential financial impact

Reduced direct costs

Company-specific description

In DTE Electric's 2022 IRP we committed to maximizing the achievable potential identified in the Michigan Statewide Potential Study and in July of 2023, agreed to a 2% annual reduction in electric energy usage through energy efficiency through 2027. Our efforts have already resulted in 1300 MW (equivalent to the capacity of one large power plant) of reduced energy demand since 2009 when energy efficiency requirements from Michigan Energy legislation went into effect. In addition to the primary potential financial impact of reduced direct costs, DTE also receives a maximum financial performance incentive equal to 20% of EWR spend.

Our demand-response (DR) program is one of the largest in the country in terms of Potential Peak Demand Savings and is one of the largest in Michigan, with more than 830 MW of summer program capacity. The Company also receives a financial incentive of up to 15% of non-capitalized costs associated with DR spend.

In addition, DTE Gas has committed to maintaining its natural gas annual energy savings goal of 1.05 percent for 2024-2025. Improving energy

efficiency also results in lower bills for customers.

Energy efficiency efforts reduce our carbon emissions even further – meaning we need to generate less energy and reduce the need for investment in new generation. The expansion of those programs also will mean more jobs and business for the Michigan firms that support them.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

417,900,000

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

2022 Energy Waste Reduction (EWR) Lifecycle Dollar Savings (total EWR electric and gas): This represents the dollar savings resulting from the current and future energy costs avoided as a result of an energy efficiency action over the effective life of that action. The lifecycle dollar

savings are based on verified net savings, which have been adjusted for free riders. Lifecycle dollar savings are presented as the present value of those savings.

Cost to realize opportunity

220,200,000

Strategy to realize opportunity and explanation of cost calculation

The DTE Energy Waste Reduction (EWR) programs (total EWR electric and gas) are funded through surcharges on customer energy bills that are approved by the Michigan Public Service commission. In 2022, DTE Electric raised \$182.4 million in surcharge revenue and spent \$174.7 million compared to the planned \$172.4 million on EWR programs, and DTE Gas raised \$58.2 million in surcharge revenue and spent \$45.6 million compared to the planned \$44.5 million on EWR programs. The total spent on EWR programs in 2022 to realize this opportunity is \$220.2 million.

Comment

The annual results of DTE Energy's electric and gas energy waste reduction (EWR or efficiency) programs, including lifecycle savings, annual revenue, and annual spend are submitted annually to the Michigan Public Service Commission.

Identifier

Opp4

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Products and services

Primary climate-related opportunity driver

Development and/or expansion of low emission goods and services

Primary potential financial impact

Increased revenues resulting from increased demand for products and services

Company-specific description

Renewable Gas Recovery — DTE Vantage (DTEV) has ownership interests in, and operates, twenty-seven gas recovery sites in ten different states. The sites recover methane from landfills and dairy farm businesses and convert the gas to generate electricity, replace fossil fuels in industrial and manufacturing operations, or refine to pipeline-quality renewable natural gas, which can then be used as vehicle fuel.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

We cannot disclose a financial impact figure related to renewable gas recovery activities by DTE Vantage operations.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

DTEV will continue leveraging its energy-related operating experience and project management capability to develop and grow its varied business lines, including renewable energy businesses. DTEV anticipates building around its core strengths in the markets where it operates. In determining the markets in which to compete, DTEV examines closely the regulatory and competitive environment, new and pending legislation, the number of competitors, and its ability to achieve sustainable margins. DTEV plans to maximize the effectiveness of its related businesses as it expands.

DTEV intends to focus on the following areas for growth:

- Providing energy and utility-type services to commercial and industrial customers
- Acquiring and developing renewable energy projects and other energy projects.

DTEV's capital investments over the 2023-2027 period are estimated at \$1.0 billion to \$1.5 billion for renewable energy projects and custom energy solutions, while expanding into carbon capture and sequestration.

Comment

DTEV partners with landfill owners and dairy farmers across the country to produce marketable, renewable transportation fuel by extracting and utilizing landfill and agricultural waste gas. The gas produced by DTEV is sold to off-takers along with its low carbon attributes for use as low carbon transportation fuel. In 2022, DTEV generated more than 349,000 metric tons of California Low Carbon Fuel Standard (LCFS) credits and more than 26 million CNG gallons of renewable fuels recorded under the U.S. Environmental Protection Agency's Renewable Fuel Standard (RFS) program as Renewable Identification Numbers (RINs). DTEV also generated more than 48,000 metric tons of Verified Emission Reduction (VER) credits under Climate Action Reserve's U.S. Landfill Project Protocol.

Identifier

Opp5

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Products and services

Primary climate-related opportunity driver

Development of new products or services through R&D and innovation

Primary potential financial impact

Increased revenues through access to new and emerging markets

Company-specific description

DTE Electric has completed the issuance of approximately \$2.6 billion of green bonds.

In 2018, DTE Electric issued \$525 million of Green Bonds to finance new and existing "Eligible Green Expenditures," which include renewable energy infrastructure and energy efficiency initiatives. DTE Electric's Green Bond issuance was the first by an investment-grade energy company in Michigan and the fifth nationwide by an investment-grade energy company. To date, DTE Electric has issued a total of approximately \$2.6 billion of green bonds in 4 separate transactions. Green bond issuance supports the financing of green expenditures, where the proceeds are earmarked for environmental or "green" projects or programs.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

The issuance of \$2.6 billion of DTE Electric Green Bonds allowed the company to reach a larger investor base and creates a larger demand for DTE Electric bonds.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Green bonds will help finance our low-carbon investments, which will enable us to continue moving Michigan toward a cleaner, more sustainable energy future. This is a tangible way for investors to demonstrate their commitment to the environment and is one of many steps in our aggressive plan to achieve net zero carbon emissions by 2050. DTE is among the first energy companies to offer this green investment option. DTE utilized an investment bank to help structure and launch the green bond offering. The cost to realize the Green Bond activity cannot be disclosed at this time.

Comment

Identifier

Opp6

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Products and services

Primary climate-related opportunity driver

Development and/or expansion of low emission goods and services

Primary potential financial impact

Increased revenues through access to new and emerging markets

Company-specific description

DTE Electric received approval for its first electric vehicle (EV) pilot, Charging Forward, in May 2019. The Charging Forward program has since grown with two additional approved filings, Charging Forward eFleets and the Charging Forward Expansion in 2021 and 2022, respectively. The total approved budget for all Charging Forward programs is now approximately \$46 million. The Company is currently developing a Transportation Electrification Plan (TEP) that will detail its EV strategy and investment through 2028 and be published by year end.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

We cannot disclose a financial impact figure related to the adoption of electric vehicles by our customers and the Charging Forward program.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Charging Forward consists of a few key components:

1. Customer Education and Outreach - Increase EV awareness, engage current EV drivers/fleet operators, provide helpful resources, and inform/recruit potential charging station owner-operators (site hosts)
2. EV Driver Incentives - Provide \$500 rebates to support home charger installation and \$1,500 rebates to income-qualified customers that buy or lease a new or used EV
3. Facilitate Charging Infrastructure Deployment - Offer rebates up to \$70,000 per DC fast charger and up to \$2,500 per Level 2 charger
4. Fleet Advisory Services - Support DTE Electric's commercial and industrial customers with their electrification roadmap

Comment

Identifier

Opp7

Where in the value chain does the opportunity occur?

Upstream

Opportunity type

Energy source

Primary climate-related opportunity driver

Use of lower-emission sources of energy

Primary potential financial impact

Increased revenues resulting from increased demand for products and services



Company-specific description

DTE Energy is taking action to encourage our natural gas suppliers to reduce their climate impacts. These actions include encouraging our suppliers and peers to report using the Natural Gas Sustainability Initiative guidelines established by the Edison Electric Institute and American Gas Association in an effort to enhance transparency and emissions reporting consistency throughout the natural gas industry. As an active member of the NGSC, DTE is also working with our industry partners to: 1. Benchmark the environmental attributes of our natural gas supply portfolios, 2. Evaluate natural gas certification programs and methane measurement technologies, 3. Discuss regional policy solutions, 4. Engage Natural Gas producers and marketers to help address the challenges with transparency throughout the gas purchasing process. In 2019, DTE surveyed our natural gas suppliers to identify their efforts to monitor and reduce methane emissions and make more informed purchasing decisions in the future. DTE is planning discussions with the MPSC about incorporating supplier methane emissions levels into its gas procurement process. In March 2021, DTE Gas sent a letter to our natural gas suppliers and pipelines encouraging them to begin reporting under the newly launched NGSI protocol for reporting of methane intensity across the natural gas value chain.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

We cannot disclose a financial impact figure at this time.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

In June 2020, DTE Gas announced a holistic net zero goal that includes achieving net zero emissions from DTE's natural gas suppliers by 2050. The goal will require DTE to develop and refine a supplier tracking process to track supplier's greenhouse gas emissions.

Comment

C3. Business Strategy

C3.1

(C3.1) Does your organization's strategy include a climate transition plan that aligns with a 1.5°C world?

Row 1

Climate transition plan

Yes, we have a climate transition plan which aligns with a 1.5°C world

Publicly available climate transition plan

Yes

Mechanism by which feedback is collected from shareholders on your climate transition plan

We have a different feedback mechanism in place



Description of feedback mechanism




DTE Electric's Integrated Resource Plan describes the company's electric generation strategy to move the company's electric utility towards its aspirational goal of 90% reduction of carbon emissions (from a 2005 baseline) by 2040 and net zero emissions by 2050. Pathways to achieve DTE's gas utility aspirational goals of net zero by 2050 for upstream suppliers and internal operations are described in DTE's Sustainability Report. A net zero commitment by 2050 is consistent with globally modeled pathways to limit warming to 1.5 degrees C. (Reference: Figure 4.1, IPCC AR6 SYR, March 2023)

Frequency of feedback collection

Less frequently than annually

Attach any relevant documents which detail your climate transition plan (optional)

IRP summary is available here: https://dtecleanenergy.com/downloads/IRP_Executive_Summary.pdf DTE Energy 2021 Sustainability Report is available here: <https://dteempowermi.wpenginepowered.com/wp-content/uploads/2021SustainabilityReport-1.pdf>

-  IRP One pager 2023.pdf
-  2022EnergyEfficiencyAnnualReport.pdf
-  2021SustainabilityReport-1.pdf

C3.2

(C3.2) Does your organization use climate-related scenario analysis to inform its strategy?

	Use of climate-related scenario analysis to inform strategy
Row 1	Yes, qualitative and quantitative

C3.2a

(C3.2a) Provide details of your organization's use of climate-related scenario analysis.



Climate-related scenario	Scenario analysis coverage	Temperature alignment of scenario	Parameters, assumptions, analytical choices
Transition scenarios Customized publicly available transition scenario	Business division	Unknown	See description of scenario modeling included in the 2022 Integrated Resource Plan (IRP) at https://dtecleanenergy.com/downloads/IRP_Executive_Summary.pdf#page=19

C3.2b

(C3.2b) Provide details of the focal questions your organization seeks to address by using climate-related scenario analysis, and summarize the results with respect to these questions.

Row 1

Focal questions

See description of scenario modeling included in the 2022 Integrated Resource Plan (IRP) at https://dtecleanenergy.com/downloads/IRP_Executive_Summary.pdf#page=19

Results of the climate-related scenario analysis with respect to the focal questions

See description of scenario modeling included in the 2022 Integrated Resource Plan (IRP) at https://dtecleanenergy.com/downloads/IRP_Executive_Summary.pdf#page=19

C3.3

(C3.3) Describe where and how climate-related risks and opportunities have influenced your strategy.

Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence



<p>Products and services</p>	<p>Yes</p>	<p>DTE Energy's products and services are focused on providing customers with cleaner sources of energy while maintaining customer affordability and reliability. Products and services related to the clean energy transition include:</p> <ol style="list-style-type: none"> 1. Energy waste reduction services provided by DTE Electric and DTE Gas to customers in accordance with Michigan legislation. 2. Voluntary renewable energy programs for both DTE Electric and DTE Gas that customers may subscribe to in helping to meet customer's own renewable energy goals. 3. Business ventures by DTE Vantage including <ol style="list-style-type: none"> a. Developing and operating projects that convert landfill gas and dairy cow manure into electric power or clean, sustainable renewable natural gas (RNG). b. Developing multiple carbon capture projects across the U.S. that will help our customers in their decarbonization journey to reduce their emissions and meet evolving environmental commitments.
<p>Supply chain and/or value chain</p>	<p>Yes</p>	<p>DTE is part of the Electric Utility Industry Sustainable Supply Chain Alliance (EUISSCA), an organization of utilities and suppliers collaborating to advance sustainability best practices in supply chain activities and supplier networks. The Company uses The Sustainability Project (TSP) supplier survey tool, which was launched in 2018, to assess suppliers' environmental impacts.</p> <p>DTE's natural gas utility net zero goal that includes reducing emissions from DTE Gas suppliers to net zero by 2050. DTE is a member of the ONE Future coalition, a group of more than 40 Natural Gas companies working together to voluntarily reduce methane emissions across the Natural Gas value chain to 1% (or less) by 2025.</p> <p>DTE Gas executed its first purchases of certified, responsibly sourced gas during the summers of 2022 and 2023. In 2022, we made 2 purchases of certified gas totaling 1.1 Bcf, certified by third parties to</p>



		<p>have an average Methane Intensity of 0.061%. In 2023, we purchased 2 Bcf of Trustwell Platinum certified gas, which was certified by a third-party to have a Methane Intensity of less than 0.10%</p>
Investment in R&D	Yes	<p>We fund and participate in R&D programs and projects managed by the Electric Power Research Institute (EPRI), which helps to identify cost-effective strategies and evaluate alternatives for meeting future generation requirements, including environmental and climate related requirements. EPRI R&D projects address short-term issues such as strategies for setting climate goals, as well as long term issues such as identifying technologies to achieve net zero targets.</p> <p>DTE Energy is a member of the Low Carbon Research Initiative jointly managed by EPRI and the Gas Technology Institute (GTI) to identify and accelerate development and demonstration of low- and zero-carbon energy technologies.</p>
Operations	Yes	<p>DTE Energy's utilities are investing capital to support a modern, reliable grid and cleaner, affordable energy through investments in base infrastructure and new generation. Increasing intensity of wind storms and other weather events, coupled with increasing electric vehicle adoption, will drive a continued need for substantial grid investment over the long-term.</p> <p>DTE Electric has committed to a carbon reduction goal that will achieve a 32 percent reduction in CO2 emissions from 2005 levels by 2023, a 65 percent reduction in 2028, an 85 percent reduction in 2032, 90% by 2040 and net zero by 2050. Details of this transition are provided in the July 23, 2023 IRP Settlement Order.</p> <p>For the gas utility, DTE Energy aims to cut carbon emissions across the entire value chain. DTE Gas is committed to a goal of net zero emissions by 2050 from internal gas operations and gas suppliers. To achieve net zero, DTE Energy is working to source gas with lower methane intensity, reduce emissions through its gas main renewal and pipeline integrity programs, and if necessary, use carbon offsets to address any remaining emissions. DTE Energy also aims to help DTE Gas customers reduce their emissions by 35% by 2040 by increasing energy efficiency, pursuing advanced technologies such as hydrogen and carbon capture and sequestration, and through the</p>



		CleanVision Natural Gas Balance program which provides customers the option to use carbon offsets and renewable natural gas.
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C3.4

(C3.4) Describe where and how climate-related risks and opportunities have influenced your financial planning.

	Financial planning elements that have been influenced	Description of influence
Row 1	Revenues Indirect costs Capital expenditures Capital allocation Acquisitions and divestments Access to capital Assets Liabilities	Please see DTE Energy's 2022 10-K for information on financial planning strategies.

C3.5

(C3.5) In your organization’s financial accounting, do you identify spending/revenue that is aligned with your organization’s climate transition?

	Identification of spending/revenue that is aligned with your organization’s climate transition
Row 1	

C4. Targets and performance

C4.1

(C4.1) Did you have an emissions target that was active in the reporting year?

Absolute target

C4.1a

(C4.1a) Provide details of your absolute emissions target(s) and progress made against those targets.

Target reference number

Abs 3

Is this a science-based target?

No, and we do not anticipate setting one in the next two years

Target ambition

Year target was set

2022

Target coverage

Business division

Scope(s)

Scope 1

Scope 2 accounting method

Scope 3 category(ies)

Base year

2005

Base year Scope 1 emissions covered by target (metric tons CO2e)

37,150,000

Base year Scope 2 emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 2: Capital goods emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 6: Business travel emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 7: Employee commuting emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 10: Processing of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 11: Use of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 14: Franchises emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 15: Investments emissions covered by target (metric tons CO2e)

Base year Scope 3, Other (upstream) emissions covered by target (metric tons CO2e)

Base year Scope 3, Other (downstream) emissions covered by target (metric tons CO2e)

Base year total Scope 3 emissions covered by target (metric tons CO2e)

Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

37,150,000

Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target as % of total base year emissions in Scope 3, Category 1: Purchased goods and services (metric tons CO2e)

Base year Scope 3, Category 2: Capital goods emissions covered by target as % of total base year emissions in Scope 3, Category 2: Capital goods (metric tons CO2e)

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target as % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

Base year Scope 3, Category 4: Upstream transportation and distribution covered by target as % of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution (metric tons CO2e)

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target as % of total base year emissions in Scope 3, Category 5: Waste generated in operations (metric tons CO2e)

Base year Scope 3, Category 6: Business travel emissions covered by target as % of total base year emissions in Scope 3, Category 6: Business travel (metric tons CO₂e)

Base year Scope 3, Category 7: Employee commuting covered by target as % of total base year emissions in Scope 3, Category 7: Employee commuting (metric tons CO₂e)

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 8: Upstream leased assets (metric tons CO₂e)

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target as % of total base year emissions in Scope 3, Category 9: Downstream transportation and distribution (metric tons CO₂e)

Base year Scope 3, Category 10: Processing of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 10: Processing of sold products (metric tons CO₂e)

Base year Scope 3, Category 11: Use of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 11: Use of sold products (metric tons CO₂e)

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO₂e)

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 13: Downstream leased assets (metric tons CO₂e)



Base year Scope 3, Category 14: Franchises emissions covered by target as % of total base year emissions in Scope 3, Category 14: Franchises (metric tons CO2e)

Base year Scope 3, Category 15: Investments emissions covered by target as % of total base year emissions in Scope 3, Category 15: Investments (metric tons CO2e)

Base year Scope 3, Other (upstream) emissions covered by target as % of total base year emissions in Scope 3, Other (upstream) (metric tons CO2e)

Base year Scope 3, Other (downstream) emissions covered by target as % of total base year emissions in Scope 3, Other (downstream) (metric tons CO2e)

Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)

Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

Target year

2040

Targeted reduction from base year (%)

90

Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]

3,715,000

Scope 1 emissions in reporting year covered by target (metric tons CO2e)

27,830,000

Scope 2 emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 1: Purchased goods and services emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 2: Capital goods emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 4: Upstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 5: Waste generated in operations emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 6: Business travel emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 7: Employee commuting emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 8: Upstream leased assets emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 9: Downstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)



Scope 3, Category 10: Processing of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 11: Use of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 12: End-of-life treatment of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 13: Downstream leased assets emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 14: Franchises emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 15: Investments emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Other (upstream) emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Other (downstream) emissions in reporting year covered by target (metric tons CO2e)

Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)

Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

27,830,000

Does this target cover any land-related emissions?

No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

% of target achieved relative to base year [auto-calculated]

27.874981307

Target status in reporting year

Underway

Please explain target coverage and identify any exclusions

DTE Electric measures progress and this goal using the annual net short method of calculating emissions associated with electricity delivered to customers. For a description of the annual net short method please see EPRI's Methods to Account for Greenhouse Gas Emissions Embedded in Wholesale Power Purchases <https://www.epri.com/research/products/000000003002015044>

Plan for achieving target, and progress made to the end of the reporting year

2023 DTE Electric Settlement Agreement: <https://mi-psc.force.com/s/case/5008y000002yQhVAA/in-the-matter-of-the-application-of-dte-electric-company-for-approval-of-its-integrated-resource-plan-pursuant-to-mcl-4606t-and-for-other-relief>

An overview of DTE Electric's generation strategy and plan (prior to settlement) is available here <https://dtecleanenergy.com/>

List the emissions reduction initiatives which contributed most to achieving this target

Target reference number

Abs 2

Is this a science-based target?

No, and we do not anticipate setting one in the next two years

Target ambition

Year target was set

2022

Target coverage

Business division

Scope(s)

Scope 1

Scope 2 accounting method

Scope 3 category(ies)

Base year

2005

Base year Scope 1 emissions covered by target (metric tons CO2e)

37,150,000

Base year Scope 2 emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 2: Capital goods emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO2e)



Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 6: Business travel emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 7: Employee commuting emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 10: Processing of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 11: Use of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 14: Franchises emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 15: Investments emissions covered by target (metric tons CO2e)

Base year Scope 3, Other (upstream) emissions covered by target (metric tons CO2e)

Base year Scope 3, Other (downstream) emissions covered by target (metric tons CO2e)

Base year total Scope 3 emissions covered by target (metric tons CO2e)

Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

37,150,000

Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target as % of total base year emissions in Scope 3, Category 1: Purchased goods and services (metric tons CO2e)

Base year Scope 3, Category 2: Capital goods emissions covered by target as % of total base year emissions in Scope 3, Category 2: Capital goods (metric tons CO2e)

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target as % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

Base year Scope 3, Category 4: Upstream transportation and distribution covered by target as % of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution (metric tons CO2e)

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target as % of total base year emissions in Scope 3, Category 5: Waste generated in operations (metric tons CO2e)

Base year Scope 3, Category 6: Business travel emissions covered by target as % of total base year emissions in Scope 3, Category 6: Business travel (metric tons CO2e)

Base year Scope 3, Category 7: Employee commuting covered by target as % of total base year emissions in Scope 3, Category 7: Employee commuting (metric tons CO2e)

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 8: Upstream leased assets (metric tons CO2e)

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target as % of total base year emissions in Scope 3, Category 9: Downstream transportation and distribution (metric tons CO2e)

Base year Scope 3, Category 10: Processing of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 10: Processing of sold products (metric tons CO2e)

Base year Scope 3, Category 11: Use of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 11: Use of sold products (metric tons CO2e)

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO2e)

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 13: Downstream leased assets (metric tons CO2e)

Base year Scope 3, Category 14: Franchises emissions covered by target as % of total base year emissions in Scope 3, Category 14: Franchises (metric tons CO2e)

Base year Scope 3, Category 15: Investments emissions covered by target as % of total base year emissions in Scope 3, Category 15: Investments (metric tons CO2e)

Base year Scope 3, Other (upstream) emissions covered by target as % of total base year emissions in Scope 3, Other (upstream) (metric tons CO2e)

Base year Scope 3, Other (downstream) emissions covered by target as % of total base year emissions in Scope 3, Other (downstream) (metric tons CO2e)

Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)

Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes



Target year

2028

Targeted reduction from base year (%)

65

Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]

13,002,500

Scope 1 emissions in reporting year covered by target (metric tons CO2e)

27,830,000

Scope 2 emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 1: Purchased goods and services emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 2: Capital goods emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 4: Upstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 5: Waste generated in operations emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 6: Business travel emissions in reporting year covered by target (metric tons CO2e)



Scope 3, Category 7: Employee commuting emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 8: Upstream leased assets emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 9: Downstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 10: Processing of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 11: Use of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 12: End-of-life treatment of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 13: Downstream leased assets emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 14: Franchises emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 15: Investments emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Other (upstream) emissions in reporting year covered by target (metric tons CO2e)



Scope 3, Other (downstream) emissions in reporting year covered by target (metric tons CO2e)

Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)

Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

27,830,000

Does this target cover any land-related emissions?

No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

% of target achieved relative to base year [auto-calculated]

38.5961279636

Target status in reporting year

Revised

Please explain target coverage and identify any exclusions

DTE Electric measures progress on this goal using the annual net short method of calculating emissions associated with electricity delivered to customers. For a description of the annual net short method please see EPRI's Methods to Account for Greenhouse Gas Emissions Embedded in Wholesale Power Purchases <https://www.epri.com/research/products/000000003002015044>

Plan for achieving target, and progress made to the end of the reporting year

2023 DTE Electric Settlement Agreement: <https://mi-psc.force.com/s/case/5008y000002yQhVAA/in-the-matter-of-the-application-of-dte-electric-company-for-approval-of-its-integrated-resource-plan-pursuant-to-mcl-4606t-and-for-other-relief>

An overview of DTE Electric's generation strategy and plan (prior to settlement) is available here <https://dtecleanenergy.com/>

List the emissions reduction initiatives which contributed most to achieving this target



Target reference number

Abs 1

Is this a science-based target?

No, and we do not anticipate setting one in the next two years

Target ambition

Year target was set

2019

Target coverage

Business division

Scope(s)

Scope 1

Scope 2 accounting method

Scope 3 category(ies)

Base year

2005

Base year Scope 1 emissions covered by target (metric tons CO₂e)

37,150,000

Base year Scope 2 emissions covered by target (metric tons CO₂e)



Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 2: Capital goods emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 6: Business travel emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 7: Employee commuting emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 10: Processing of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 11: Use of sold products emissions covered by target (metric tons CO2e)



Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 14: Franchises emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 15: Investments emissions covered by target (metric tons CO2e)

Base year Scope 3, Other (upstream) emissions covered by target (metric tons CO2e)

Base year Scope 3, Other (downstream) emissions covered by target (metric tons CO2e)

Base year total Scope 3 emissions covered by target (metric tons CO2e)

Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

37,150,000

Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target as % of total base year emissions in Scope 3, Category 1: Purchased goods and services (metric tons CO2e)



Base year Scope 3, Category 2: Capital goods emissions covered by target as % of total base year emissions in Scope 3, Category 2: Capital goods (metric tons CO2e)

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target as % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

Base year Scope 3, Category 4: Upstream transportation and distribution covered by target as % of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution (metric tons CO2e)

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target as % of total base year emissions in Scope 3, Category 5: Waste generated in operations (metric tons CO2e)

Base year Scope 3, Category 6: Business travel emissions covered by target as % of total base year emissions in Scope 3, Category 6: Business travel (metric tons CO2e)

Base year Scope 3, Category 7: Employee commuting covered by target as % of total base year emissions in Scope 3, Category 7: Employee commuting (metric tons CO2e)

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 8: Upstream leased assets (metric tons CO2e)

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target as % of total base year emissions in Scope 3, Category 9: Downstream transportation and distribution (metric tons CO2e)

Base year Scope 3, Category 10: Processing of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 10: Processing of sold products (metric tons CO2e)

Base year Scope 3, Category 11: Use of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 11: Use of sold products (metric tons CO2e)

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO2e)

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 13: Downstream leased assets (metric tons CO2e)

Base year Scope 3, Category 14: Franchises emissions covered by target as % of total base year emissions in Scope 3, Category 14: Franchises (metric tons CO2e)

Base year Scope 3, Category 15: Investments emissions covered by target as % of total base year emissions in Scope 3, Category 15: Investments (metric tons CO2e)

Base year Scope 3, Other (upstream) emissions covered by target as % of total base year emissions in Scope 3, Other (upstream) (metric tons CO2e)

Base year Scope 3, Other (downstream) emissions covered by target as % of total base year emissions in Scope 3, Other (downstream) (metric tons CO2e)



Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)

Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

Target year

2023

Targeted reduction from base year (%)

32

Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]

25,262,000

Scope 1 emissions in reporting year covered by target (metric tons CO2e)

27,830,000

Scope 2 emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 1: Purchased goods and services emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 2: Capital goods emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions in reporting year covered by target (metric tons CO2e)



Scope 3, Category 4: Upstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 5: Waste generated in operations emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 6: Business travel emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 7: Employee commuting emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 8: Upstream leased assets emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 9: Downstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 10: Processing of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 11: Use of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 12: End-of-life treatment of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 13: Downstream leased assets emissions in reporting year covered by target (metric tons CO2e)



Scope 3, Category 14: Franchises emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 15: Investments emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Other (upstream) emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Other (downstream) emissions in reporting year covered by target (metric tons CO2e)

Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)

Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

27,830,000

Does this target cover any land-related emissions?

No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

% of target achieved relative to base year [auto-calculated]

78.398384926

Target status in reporting year

Underway

Please explain target coverage and identify any exclusions

DTE Electric measures progress on this goal using the annual net short method of calculating emissions associated with electricity delivered to customers. For a description of the annual net short method please see EPRI's Methods to Account for Greenhouse Gas Emissions Embedded in Wholesale Power Purchases <https://www.epri.com/research/products/000000003002015044>

Plan for achieving target, and progress made to the end of the reporting year

2023 DTE Electric Settlement Agreement: <https://mi-psc.force.com/s/case/5008y000002yQhVAA/in-the-matter-of-the-application-of-dte-electric-company-for-approval-of-its-integrated-resource-plan-pursuant-to-mcl-4606t-and-for-other-relief>

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List the emissions reduction initiatives which contributed most to achieving this target

Target reference number

Abs 4

Is this a science-based target?

No, and we do not anticipate setting one in the next two years

Target ambition

Year target was set

2019

Target coverage

Business division

Scope(s)

Scope 1

Scope 2 accounting method

Scope 3 category(ies)



Base year

2005

Base year Scope 1 emissions covered by target (metric tons CO2e)

37,150,000

Base year Scope 2 emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 2: Capital goods emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 6: Business travel emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 7: Employee commuting emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target (metric tons CO2e)



Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 10: Processing of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 11: Use of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 14: Franchises emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 15: Investments emissions covered by target (metric tons CO2e)

Base year Scope 3, Other (upstream) emissions covered by target (metric tons CO2e)

Base year Scope 3, Other (downstream) emissions covered by target (metric tons CO2e)

Base year total Scope 3 emissions covered by target (metric tons CO2e)

Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

37,150,000



Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target as % of total base year emissions in Scope 3, Category 1: Purchased goods and services (metric tons CO₂e)

Base year Scope 3, Category 2: Capital goods emissions covered by target as % of total base year emissions in Scope 3, Category 2: Capital goods (metric tons CO₂e)

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target as % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO₂e)

Base year Scope 3, Category 4: Upstream transportation and distribution covered by target as % of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution (metric tons CO₂e)

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target as % of total base year emissions in Scope 3, Category 5: Waste generated in operations (metric tons CO₂e)

Base year Scope 3, Category 6: Business travel emissions covered by target as % of total base year emissions in Scope 3, Category 6: Business travel (metric tons CO₂e)

Base year Scope 3, Category 7: Employee commuting covered by target as % of total base year emissions in Scope 3, Category 7: Employee commuting (metric tons CO2e)

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 8: Upstream leased assets (metric tons CO2e)

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target as % of total base year emissions in Scope 3, Category 9: Downstream transportation and distribution (metric tons CO2e)

Base year Scope 3, Category 10: Processing of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 10: Processing of sold products (metric tons CO2e)

Base year Scope 3, Category 11: Use of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 11: Use of sold products (metric tons CO2e)

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO2e)

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 13: Downstream leased assets (metric tons CO2e)

Base year Scope 3, Category 14: Franchises emissions covered by target as % of total base year emissions in Scope 3, Category 14: Franchises (metric tons CO2e)



Base year Scope 3, Category 15: Investments emissions covered by target as % of total base year emissions in Scope 3, Category 15: Investments (metric tons CO2e)

Base year Scope 3, Other (upstream) emissions covered by target as % of total base year emissions in Scope 3, Other (upstream) (metric tons CO2e)

Base year Scope 3, Other (downstream) emissions covered by target as % of total base year emissions in Scope 3, Other (downstream) (metric tons CO2e)

Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)

Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

Target year

2050

Targeted reduction from base year (%)

100

Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]

0

Scope 1 emissions in reporting year covered by target (metric tons CO2e)

27,830,000

Scope 2 emissions in reporting year covered by target (metric tons CO2e)



Scope 3, Category 1: Purchased goods and services emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 2: Capital goods emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 4: Upstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 5: Waste generated in operations emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 6: Business travel emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 7: Employee commuting emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 8: Upstream leased assets emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 9: Downstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 10: Processing of sold products emissions in reporting year covered by target (metric tons CO2e)



Scope 3, Category 11: Use of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 12: End-of-life treatment of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 13: Downstream leased assets emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 14: Franchises emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 15: Investments emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Other (upstream) emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Other (downstream) emissions in reporting year covered by target (metric tons CO2e)

Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)

Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

27,830,000

Does this target cover any land-related emissions?

No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

% of target achieved relative to base year [auto-calculated]

25.0874831763

Target status in reporting year

Underway

Please explain target coverage and identify any exclusions

DTE Electric measures progress on this goal using the annual net short method of calculating emissions associated with electricity delivered to customers. For a description of the annual net short method please see EPRI's Methods to Account for Greenhouse Gas Emissions Embedded in Wholesale Power Purchases <https://www.epri.com/research/products/000000003002015044>

Plan for achieving target, and progress made to the end of the reporting year

2023 DTE Electric Settlement Agreement: <https://mi-psc.force.com/s/case/5008y000002yQhVAA/in-the-matter-of-the-application-of-dte-electric-company-for-approval-of-its-integrated-resource-plan-pursuant-to-mcl-4606t-and-for-other-relief>

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List the emissions reduction initiatives which contributed most to achieving this target

Target reference number

Abs 5

Is this a science-based target?

No, and we do not anticipate setting one in the next two years

Target ambition

Year target was set

2020

Target coverage

Business division



Scope(s)

Scope 3

Scope 2 accounting method

Scope 3 category(ies)

Other (upstream)

Base year

Base year Scope 1 emissions covered by target (metric tons CO2e)

Base year Scope 2 emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 2: Capital goods emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 6: Business travel emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 7: Employee commuting emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 10: Processing of sold products emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 11: Use of sold products emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 14: Franchises emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 15: Investments emissions covered by target (metric tons CO₂e)

Base year Scope 3, Other (upstream) emissions covered by target (metric tons CO₂e)



Base year Scope 3, Other (downstream) emissions covered by target (metric tons CO2e)

Base year total Scope 3 emissions covered by target (metric tons CO2e)

Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target as % of total base year emissions in Scope 3, Category 1: Purchased goods and services (metric tons CO2e)

Base year Scope 3, Category 2: Capital goods emissions covered by target as % of total base year emissions in Scope 3, Category 2: Capital goods (metric tons CO2e)

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target as % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

Base year Scope 3, Category 4: Upstream transportation and distribution covered by target as % of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution (metric tons CO2e)

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target as % of total base year emissions in Scope 3, Category 5: Waste generated in operations (metric tons CO2e)

Base year Scope 3, Category 6: Business travel emissions covered by target as % of total base year emissions in Scope 3, Category 6: Business travel (metric tons CO2e)

Base year Scope 3, Category 7: Employee commuting covered by target as % of total base year emissions in Scope 3, Category 7: Employee commuting (metric tons CO2e)

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 8: Upstream leased assets (metric tons CO2e)

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target as % of total base year emissions in Scope 3, Category 9: Downstream transportation and distribution (metric tons CO2e)

Base year Scope 3, Category 10: Processing of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 10: Processing of sold products (metric tons CO2e)

Base year Scope 3, Category 11: Use of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 11: Use of sold products (metric tons CO2e)

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO2e)



Base year Scope 3, Category 13: Downstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 13: Downstream leased assets (metric tons CO2e)

Base year Scope 3, Category 14: Franchises emissions covered by target as % of total base year emissions in Scope 3, Category 14: Franchises (metric tons CO2e)

Base year Scope 3, Category 15: Investments emissions covered by target as % of total base year emissions in Scope 3, Category 15: Investments (metric tons CO2e)

Base year Scope 3, Other (upstream) emissions covered by target as % of total base year emissions in Scope 3, Other (upstream) (metric tons CO2e)

Base year Scope 3, Other (downstream) emissions covered by target as % of total base year emissions in Scope 3, Other (downstream) (metric tons CO2e)

Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)

Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

100

Target year

2050

Targeted reduction from base year (%)

100

Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]

Scope 1 emissions in reporting year covered by target (metric tons CO2e)

Scope 2 emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 1: Purchased goods and services emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 2: Capital goods emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 4: Upstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 5: Waste generated in operations emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 6: Business travel emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 7: Employee commuting emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 8: Upstream leased assets emissions in reporting year covered by target (metric tons CO2e)



Scope 3, Category 9: Downstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 10: Processing of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 11: Use of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 12: End-of-life treatment of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 13: Downstream leased assets emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 14: Franchises emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 15: Investments emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Other (upstream) emissions in reporting year covered by target (metric tons CO2e)

564,000

Scope 3, Other (downstream) emissions in reporting year covered by target (metric tons CO2e)

Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)

564,000

Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

564,000

Does this target cover any land-related emissions?

No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

% of target achieved relative to base year [auto-calculated]

Target status in reporting year

Underway

Please explain target coverage and identify any exclusions

This emission target includes the following Scope 3 categories:

Category 1: Purchased Goods and Services - Emissions associated with the production of natural gas - from the ground (wellhead) to pipeline injection. Includes combustion emissions from gas-fired

production equipment and emissions associated with methane either leaked or vented during production operations.

Category 3: Fuel and Energy-related Activities - Emissions associated with the production and transportation of gas volumes combusted, leaked, or vented by DTE Gas during distribution operations.

Category 4: Upstream Transportation and Distribution - Emissions associated with the transportation of natural gas from the pipeline injection point to the DTE Gas citygate. Includes combustion emissions from gas-fired transmission equipment (e.g., compressors) and emissions associated with methane either leaked or vented during transportation.

Plan for achieving target, and progress made to the end of the reporting year

DTE Gas expects to achieve this net zero carbon emissions for natural gas procured by DTE Gas by encouraging transparent and consistent reporting of methane emissions intensity (e.g. via ONE Future), working to source gas with lower methane intensities, and pursuing programs that promote a cleaner natural gas product such as EPA's Natural Gas STAR program.

List the emissions reduction initiatives which contributed most to achieving this target

Target reference number

Abs 6

Is this a science-based target?

No, and we do not anticipate setting one in the next two years

Target ambition

Year target was set

2020

Target coverage

Business division

Scope(s)

Scope 1

Scope 2 accounting method

Scope 3 category(ies)

Base year

2005

Base year Scope 1 emissions covered by target (metric tons CO₂e)

Base year Scope 2 emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 2: Capital goods emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 6: Business travel emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 7: Employee commuting emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 10: Processing of sold products emissions covered by target (metric tons CO₂e)

Base year Scope 3, Category 11: Use of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 14: Franchises emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 15: Investments emissions covered by target (metric tons CO2e)

Base year Scope 3, Other (upstream) emissions covered by target (metric tons CO2e)

Base year Scope 3, Other (downstream) emissions covered by target (metric tons CO2e)

Base year total Scope 3 emissions covered by target (metric tons CO2e)

Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target as % of total base year emissions in Scope 3, Category 1: Purchased goods and services (metric tons CO2e)

Base year Scope 3, Category 2: Capital goods emissions covered by target as % of total base year emissions in Scope 3, Category 2: Capital goods (metric tons CO2e)

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target as % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

Base year Scope 3, Category 4: Upstream transportation and distribution covered by target as % of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution (metric tons CO2e)

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target as % of total base year emissions in Scope 3, Category 5: Waste generated in operations (metric tons CO2e)

Base year Scope 3, Category 6: Business travel emissions covered by target as % of total base year emissions in Scope 3, Category 6: Business travel (metric tons CO2e)

Base year Scope 3, Category 7: Employee commuting covered by target as % of total base year emissions in Scope 3, Category 7: Employee commuting (metric tons CO2e)

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 8: Upstream leased assets (metric tons CO2e)

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target as % of total base year emissions in Scope 3, Category 9: Downstream transportation and distribution (metric tons CO₂e)

Base year Scope 3, Category 10: Processing of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 10: Processing of sold products (metric tons CO₂e)

Base year Scope 3, Category 11: Use of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 11: Use of sold products (metric tons CO₂e)

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO₂e)

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 13: Downstream leased assets (metric tons CO₂e)

Base year Scope 3, Category 14: Franchises emissions covered by target as % of total base year emissions in Scope 3, Category 14: Franchises (metric tons CO₂e)

Base year Scope 3, Category 15: Investments emissions covered by target as % of total base year emissions in Scope 3, Category 15: Investments (metric tons CO₂e)

Base year Scope 3, Other (upstream) emissions covered by target as % of total base year emissions in Scope 3, Other (upstream) (metric tons CO₂e)

Base year Scope 3, Other (downstream) emissions covered by target as % of total base year emissions in Scope 3, Other (downstream) (metric tons CO2e)

Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)

Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

Target year

2050

Targeted reduction from base year (%)

100

Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]

Scope 1 emissions in reporting year covered by target (metric tons CO2e)

777,000

Scope 2 emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 1: Purchased goods and services emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 2: Capital goods emissions in reporting year covered by target (metric tons CO2e)



Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 4: Upstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 5: Waste generated in operations emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 6: Business travel emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 7: Employee commuting emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 8: Upstream leased assets emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 9: Downstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 10: Processing of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 11: Use of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 12: End-of-life treatment of sold products emissions in reporting year covered by target (metric tons CO2e)



Scope 3, Category 13: Downstream leased assets emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 14: Franchises emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 15: Investments emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Other (upstream) emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Other (downstream) emissions in reporting year covered by target (metric tons CO2e)

Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)

Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

777,000

Does this target cover any land-related emissions?

No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

% of target achieved relative to base year [auto-calculated]

Target status in reporting year

Underway

Please explain target coverage and identify any exclusions



DTE Gas is currently evaluating the baseline for this net zero goal and will disclose a revised baseline when this effort is finalized. This goal covers combustion and fugitive emission within DTE's gas distribution system.

Plan for achieving target, and progress made to the end of the reporting year

DTE Gas has been reducing emissions in our internal local distribution company (LDC) by replacing aging steel and cast-iron pipe with durable plastic pipe across the service territory. DTE Gas also is implementing new technologies to upgrade compressor station components, detect leaks more quickly, and to reduce gas being vented to the atmosphere during pipeline and compressor station maintenance activities.

List the emissions reduction initiatives which contributed most to achieving this target

Target reference number

Abs 7

Is this a science-based target?

No, and we do not anticipate setting one in the next two years

Target ambition

Year target was set

2020

Target coverage

Business division

Scope(s)

Scope 3

Scope 2 accounting method



Scope 3 category(ies)

Category 11: Use of sold products

Base year

2005

Base year Scope 1 emissions covered by target (metric tons CO2e)

Base year Scope 2 emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 2: Capital goods emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 6: Business travel emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 7: Employee commuting emissions covered by target (metric tons CO2e)



Base year Scope 3, Category 8: Upstream leased assets emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 10: Processing of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 11: Use of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 14: Franchises emissions covered by target (metric tons CO2e)

Base year Scope 3, Category 15: Investments emissions covered by target (metric tons CO2e)

Base year Scope 3, Other (upstream) emissions covered by target (metric tons CO2e)

Base year Scope 3, Other (downstream) emissions covered by target (metric tons CO2e)

Base year total Scope 3 emissions covered by target (metric tons CO2e)

Total base year emissions covered by target in all selected Scopes (metric tons CO₂e)

Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target as % of total base year emissions in Scope 3, Category 1: Purchased goods and services (metric tons CO₂e)

Base year Scope 3, Category 2: Capital goods emissions covered by target as % of total base year emissions in Scope 3, Category 2: Capital goods (metric tons CO₂e)

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target as % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO₂e)

Base year Scope 3, Category 4: Upstream transportation and distribution covered by target as % of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution (metric tons CO₂e)

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target as % of total base year emissions in Scope 3, Category 5: Waste generated in operations (metric tons CO₂e)

Base year Scope 3, Category 6: Business travel emissions covered by target as % of total base year emissions in Scope 3, Category 6: Business travel (metric tons CO₂e)

Base year Scope 3, Category 7: Employee commuting covered by target as % of total base year emissions in Scope 3, Category 7: Employee commuting (metric tons CO2e)

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 8: Upstream leased assets (metric tons CO2e)

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target as % of total base year emissions in Scope 3, Category 9: Downstream transportation and distribution (metric tons CO2e)

Base year Scope 3, Category 10: Processing of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 10: Processing of sold products (metric tons CO2e)

Base year Scope 3, Category 11: Use of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 11: Use of sold products (metric tons CO2e)

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO2e)

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 13: Downstream leased assets (metric tons CO2e)

Base year Scope 3, Category 14: Franchises emissions covered by target as % of total base year emissions in Scope 3, Category 14: Franchises (metric tons CO2e)



Base year Scope 3, Category 15: Investments emissions covered by target as % of total base year emissions in Scope 3, Category 15: Investments (metric tons CO2e)

Base year Scope 3, Other (upstream) emissions covered by target as % of total base year emissions in Scope 3, Other (upstream) (metric tons CO2e)

Base year Scope 3, Other (downstream) emissions covered by target as % of total base year emissions in Scope 3, Other (downstream) (metric tons CO2e)

Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)

Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

Target year

2040

Targeted reduction from base year (%)

35

Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]

Scope 1 emissions in reporting year covered by target (metric tons CO2e)

Scope 2 emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 1: Purchased goods and services emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 2: Capital goods emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 4: Upstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 5: Waste generated in operations emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 6: Business travel emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 7: Employee commuting emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 8: Upstream leased assets emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 9: Downstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 10: Processing of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 11: Use of sold products emissions in reporting year covered by target (metric tons CO2e)

8,869,000

Scope 3, Category 12: End-of-life treatment of sold products emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 13: Downstream leased assets emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 14: Franchises emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Category 15: Investments emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Other (upstream) emissions in reporting year covered by target (metric tons CO2e)

Scope 3, Other (downstream) emissions in reporting year covered by target (metric tons CO2e)

Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)

8,869,000

Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

Does this target cover any land-related emissions?

No, it does not cover any land-related emissions (e.g. non-FLAG SBT)



% of target achieved relative to base year [auto-calculated]

Target status in reporting year

Underway

Please explain target coverage and identify any exclusions

Emissions from combustion of gas sold to DTE customers (excludes End-Use Transportation customers for gas supplied by others but delivered by DTE). DTE Gas is currently evaluating the baseline for this net zero goal and will disclose a revised baseline when this effort is finalized.

Plan for achieving target, and progress made to the end of the reporting year

DTE launched its voluntary customer Natural Gas Balance program in 2021 that provides residential and small commercial customers the option of addressing up to 100 percent of their combustion emissions through forestry offsets and renewable natural gas (RNG). More than 12,000 customers have enrolled in the program as of mid-2023. DTE's energy waste reduction offerings also help customers reduce their natural gas consumption. DTE has committed to increasing its natural gas annual energy savings goals from 1.00 percent to 1.05 percent in 2023. In 2022, 110,686 metric tons of CO2 emissions were avoided as a result of 2,086 MMcf of DTE Gas customer savings. DTE Gas is also exploring opportunities to incorporate more renewable natural gas into the distribution system as well as advanced fuel technologies such as hydrogen blending.

List the emissions reduction initiatives which contributed most to achieving this target

C4.2

(C4.2) Did you have any other climate-related targets that were active in the reporting year?

No other climate-related targets

C-OG4.2d

(C-OG4.2d) Indicate which targets reported in C4.1a/b incorporate methane emissions, or if you do not have a methane-specific emissions reduction target for your oil and gas activities, please explain why not and forecast how your methane emissions will change over the next five years.

Absolute goals ABS 5 and ABS 6 are upstream and internal operations goals for DTE Gas that incorporate methane reductions as a component of the goal.

C4.3

(C4.3) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.

No

C4.3d

(C4.3d) Why did you not have any emissions reduction initiatives active during the reporting year?

Please see DTE Energy's 2022 10-K for a description of projects implemented in 2022 and planned capital investments.

C4.5

(C4.5) Do you classify any of your existing goods and/or services as low-carbon products?

Yes

C4.5a

(C4.5a) Provide details of your products and/or services that you classify as low-carbon products.

Level of aggregation

Group of products or services

Taxonomy used to classify product(s) or service(s) as low-carbon

Other, please specify

Verified net energy savings are DTE's reported savings after they have been adjusted based on the results of a review by our independent evaluation contractor, Guidehouse, Inc.

Type of product(s) or service(s)

Power

Other, please specify

Description of product(s) or service(s)

DTE Electric customer Energy Waste Reduction Program offerings

Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

Yes

Methodology used to calculate avoided emissions

Other, please specify

Life cycle stage(s) covered for the low-carbon product(s) or services(s)

Use stage

Functional unit used

Total EWR Electric Portfolio

Reference product/service or baseline scenario used

Varies by technology

Life cycle stage(s) covered for the reference product/service or baseline scenario



Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario

610,766

Explain your calculation of avoided emissions, including any assumptions

The Guidehouse Evaluation Team used one of the industry-standard commercially available market dispatch models, Power System Optimizer (PSO), to forecast the average generation mix, marginal generation mix, heat rates and greenhouse gas emission rates of generation plants in the MISO market for 2023 through 2031. To determine cumulative greenhouse gas reductions over the lifetime of savings for the 2022 EWR programs, the Guidehouse Evaluation Team used the market model's forecasted marginal emissions factors each year from 2022 through 2031, based on the calculated electric weighted average measure life value.

Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

3.27

Level of aggregation

Group of products or services

Taxonomy used to classify product(s) or service(s) as low-carbon

Other, please specify

Verified net energy savings are DTE's reported savings after they have been adjusted based on the results of a review by our independent evaluation contractor, Guidehouse, Inc.

Type of product(s) or service(s)

Power

Other, please specify

Description of product(s) or service(s)

DTE Gas customer Energy Waste Reduction Program offerings

Have you estimated the avoided emissions of this low-carbon product(s) or service(s)



Yes

Methodology used to calculate avoided emissions

Other, please specify

Life cycle stage(s) covered for the low-carbon product(s) or services(s)

Use stage

Functional unit used

Total EWR Gas Portfolio

Reference product/service or baseline scenario used

Varies by technology

Life cycle stage(s) covered for the reference product/service or baseline scenario

Estimated avoided emissions (metric tons CO₂e per functional unit) compared to reference product/service or baseline scenario

110,686

Explain your calculation of avoided emissions, including any assumptions

Using greenhouse gas emissions reduction information available from the Environmental Protection Agency's Greenhouse Gas Emission Factors Hub, the Guidehouse Evaluation Team calculated total emissions reductions for gas energy savings resulting from the 2022 EWR programs. To determine total verified net lifetime emissions reductions for the 2022 EWR programs, the Guidehouse Evaluation Team multiplied annual emissions reductions by the calculated gas weighted average measure life value.

Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

2.84

Level of aggregation

Product or service

Taxonomy used to classify product(s) or service(s) as low-carbon

Other, please specify

MIGreenPower is Green-e Energy Certified

Type of product(s) or service(s)

Description of product(s) or service(s)

MIGreenPower is among the largest voluntary renewable energy programs in the United States. The program enables DTE Electric's residential and business customers to attribute an even greater percentage of their electricity use to Michigan-made wind and solar projects beyond the 15% DTE already provides. The company has more than 800 businesses enrolled in the program along with more than 85,000 residential customers. On an annual basis, MIGreenPower customers have enrolled four million megawatt hours of clean energy in the program. Program participation is accelerating the development of new wind and solar projects in Michigan. By 2026, DTE will add more than 2,000 megawatts of new clean energy projects to meet program demand. For business customers, participation at any level is Green-e Energy® certified. For residential customers, participation at or above the 25 percent level is required for Green-e certification. Both meet the environmental and consumer-protection standards set forth by the nonprofit Center for Resource Solutions.

Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

Methodology used to calculate avoided emissions

Life cycle stage(s) covered for the low-carbon product(s) or services(s)

Functional unit used

Reference product/service or baseline scenario used



Life cycle stage(s) covered for the reference product/service or baseline scenario

Estimated avoided emissions (metric tons CO₂e per functional unit) compared to reference product/service or baseline scenario

Explain your calculation of avoided emissions, including any assumptions

Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

Level of aggregation

Product or service

Taxonomy used to classify product(s) or service(s) as low-carbon

Other, please specify

EPA Landfill Methane Outreach Program and

Type of product(s) or service(s)

Description of product(s) or service(s)

As part of DTE Energy's 2050 net zero commitment, DTE Gas launched its CleanVision Natural Gas Balance program in January 2021 that offers customers a way to reduce their carbon footprint using carbon offsets and renewable natural gas. The carbon offset program is focused on protecting Michigan forests that naturally absorb carbon dioxide. DTE Gas residential and small business customers may elect to pay a

premium in increments starting at \$4.00 per month to offset 25 to 100 percent or more of their greenhouse gas emissions and to support the development and utilization of natural gas generated from biogas resources.

Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

Methodology used to calculate avoided emissions

Life cycle stage(s) covered for the low-carbon product(s) or services(s)

Functional unit used

Reference product/service or baseline scenario used

Life cycle stage(s) covered for the reference product/service or baseline scenario

Estimated avoided emissions (metric tons CO₂e per functional unit) compared to reference product/service or baseline scenario

Explain your calculation of avoided emissions, including any assumptions

Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

C-EU4.6

(C-EU4.6) Describe your organization's efforts to reduce methane emissions from your activities.

See OG4.6 below.

C-OG4.6

(C-OG4.6) Describe your organization's efforts to reduce methane emissions from your activities.

Upstream supplier emissions efforts include:

- Encouraging transparent and consistent reporting of methane emissions, e.g., through ONE Future, Natural Gas Sustainability Initiative (NGSI) and other methane intensity protocols
- Sourcing gas with lower methane intensities (see response to C-12.1)
- Pursuing programs which promote a cleaner natural gas product

Internal operations efforts include:

- Replacing old steel and cast-iron pipes with new durable pipes
- Implementing new technologies to detect leaks more quickly
- Reducing gas being vented to the atmosphere
- Upgrading compressor stations

C-OG4.7

(C-OG4.7) Does your organization conduct leak detection and repair (LDAR) or use other methods to find and fix fugitive methane emissions from oil and gas production activities?



C-OG4.8

(C-OG4.8) If flaring is relevant to your oil and gas production activities, describe your organization’s efforts to reduce flaring, including any flaring reduction targets.

C5. Emissions methodology

C5.1

(C5.1) Is this your first year of reporting emissions data to CDP?

No

C5.1a

(C5.1a) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?

Row 1

Has there been a structural change?

No

C5.1b

(C5.1b) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?

Change(s) in methodology, boundary, and/or reporting year definition?	Details of methodology, boundary, and/or reporting year definition change(s)



<p>Row 1</p>	<p>Yes, a change in methodology Yes, a change in boundary</p>	<p>Direct emissions for DTE Electric stationary sources as reported to EPA's GHG Reporting Program (40 CFR 98) for 2022. These emissions also include the following peaking unit sources that fall below the reporting threshold of 25,000 metric tons CO2e and are not reported under the EPA GHGRP: Colfax, Hancock, Northeast, Oliver, Putnam, Superior, and Wilmot.</p> <p>Direct emissions for DTE Gas stationary sources as reported to EPA's GHG Reporting Program (40 CFR 98) under Subpart C (combustion emissions) and Subpart W (fugitive emissions) are included for 2022. The 2022 value also includes sources that are not reported to the EPA GHGRP but that are reported to the ONE Future Coalition to demonstrate DTE's commitment to achieving the collective ONE Future goal of reducing methane intensity to less than 1 percent by 2025 across the natural gas value chain. The ONE Future reporting includes emissions from stationary sources that fall below the reporting threshold of 25,000 metric tons CO2e for the EPA GHGRP</p> <p>Direct emissions for DTE Vantage stationary sources as reported to EPA's GHG Reporting Program (40 CFR 98) and/or the California GHG Reporting Regulation. DTE Vantage also includes the owned anthropogenic emissions from the sites that fall below the reporting threshold of 25,000 metric tons of anthropogenic CO2e and are not reported under the EPA GHGRP.</p> <p>Upstream and downstream scope 3 emissions for DTE Gas methodology was changed for 2022 reporting year. Upstream emissions (Scope 3 Categories 1, 3, and 4) from DTE Gas suppliers have been calculated using a Scope 3 GHG Inventory tool developed by EY Consulting that calculates the GHG inventory for production, fuel-related and transportation emissions from upstream natural gas. Downstream emissions for DTE Gas were calculated using the gas sold to customers (excluding EUT customers) multiplied by emission factors found in the GHG Emission Factors Hub.</p>
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C5.1c

(C5.1c) Have your organization's base year emissions and past years' emissions been recalculated as a result of any changes or errors reported in C5.1a and/or C5.1b?

Base year recalculation	Scope(s) recalculated	Base year emissions recalculation policy, including significance threshold	Past years' recalculation
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Row 1	Yes	Scope 1	N/A	Yes
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C5.2

(C5.2) Provide your base year and base year emissions.

Scope 1

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 2 (location-based)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment



Scope 2 (market-based)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 1: Purchased goods and services

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 2: Capital goods

Base year start



Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 4: Upstream transportation and distribution

Base year start

Base year end



Base year emissions (metric tons CO2e)

Comment

Scope 3 category 5: Waste generated in operations

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 6: Business travel

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment



Scope 3 category 7: Employee commuting

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 8: Upstream leased assets

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 9: Downstream transportation and distribution

Base year start



Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 10: Processing of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 11: Use of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)



Comment

Scope 3 category 12: End of life treatment of sold products

Base year start

Base year end

Base year emissions (metric tons CO₂e)

Comment

Scope 3 category 13: Downstream leased assets

Base year start

Base year end

Base year emissions (metric tons CO₂e)

Comment

Scope 3 category 14: Franchises



Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 15: Investments

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3: Other (upstream)

Base year start

Base year end

Base year emissions (metric tons CO₂e)

Comment

Scope 3: Other (downstream)

Base year start

Base year end

Base year emissions (metric tons CO₂e)

Comment

C5.3

(C5.3) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.

The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)

US EPA Center for Corporate Climate Leadership: Direct Emissions from Stationary Combustion Sources

US EPA Center for Corporate Climate Leadership: Direct Emissions from Mobile Combustion Sources

US EPA Mandatory Greenhouse Gas Reporting Rule

US EPA Emissions & Generation Resource Integrated Database (eGRID)

Other, please specify

US EPA GHG Emissions Factors Hub; Greenhouse Gas Emissions: Accounting for Electric Companies; A compendium of Technical Briefing Papers and Frequently Asked Questions; California Mandatory Greenhouse Gas Reporting Regulation

C6. Emissions data

C6.1

(C6.1) What were your organization's gross global Scope 1 emissions in metric tons CO₂e?

Reporting year

Gross global Scope 1 emissions (metric tons CO₂e)

27,081,000

Comment

Direct emissions for DTE Electric stationary sources as reported to EPA's GHG Reporting Program (40 CFR 98) for 2022. These emissions also include the following peaking unit sources that fall below the reporting threshold of 25,000 metric tons CO₂e and are not reported under the EPA GHGRP: Colfax, Hancock, Northeast, Oliver, Putnam, Superior, and Wilmot.

Direct emissions for DTE Gas stationary sources as reported to EPA's GHG Reporting Program (40 CFR 98) under Subpart C (combustion emissions) and Subpart W (fugitive emissions). This value also includes sources that are not reported to the EPA GHGRP but that are reported to the ONE Future Coalition to demonstrate DTE's commitment to achieving the collective ONE Future goal of reducing methane intensity to less than 1 percent by 2025 across the natural gas value chain. The ONE Future reporting includes emissions from stationary sources that fall below the reporting threshold of 25,000 metric tons CO₂e for the EPA GHGRP.

Direct emissions for DTE Vantage stationary sources as reported to EPA's GHG Reporting Program (40 CFR 98) and/or the California GHG Reporting Regulation. DTE Vantage also includes the owned anthropogenic emissions from the sites that fall below the reporting threshold of 25,000 metric tons of anthropogenic CO₂e and are not reported under the EPA GHGRP.

C6.2

(C6.2) Describe your organization's approach to reporting Scope 2 emissions.



Row 1

Scope 2, location-based

We are reporting a Scope 2, location-based figure

Scope 2, market-based

We have operations where we are able to access electricity supplier emission factors or residual emissions factors, but are unable to report a Scope 2, market-based figure

Comment

DTE Electric reports Scope 2 emissions associated with transmission and distribution line losses for wholesale power purchased from other parties and transmitted or distributed across the company’s system. Scope 2 emissions from any power purchased by DTE Electric for buildings such as headquarters, service centers and warehouses are considered to be insignificant because the majority of this power is within the DTE Electric service territory and emissions are accounted for from DTE Electric’s Scope 1 direct emissions. Power purchases by DTE Gas and P&I facilities outside of DTE Electric’s service territory are currently not counted or included in the Scope 2 emissions calculation because these emissions are considered to be small compared to DTE Electric’s overall Scope 2 emissions.

C6.3

(C6.3) What were your organization’s gross global Scope 2 emissions in metric tons CO2e?

Reporting year

Scope 2, location-based

197,000

Comment

Estimate of DTE Electric emissions associated with transmission and distribution (T&D) line losses for wholesale power purchased from other parties and transmitted or distributed across the company’s system. T&D line loss emissions are calculated as follows: [Purchased Power]*[Annual Average Line Loss on DTE system]*[eGRID Emission Factor for Subregion RFC].

C6.4

(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1, Scope 2 or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure?

Yes

C6.4a

(C6.4a) Provide details of the sources of Scope 1, Scope 2, or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure.

Source of excluded emissions

DTE Electric excludes all Scope 3 emissions except the emissions associated with purchased power within our service territory.

DTE Gas includes only the Scope 3 upstream emissions associated with Category 1, 3 and 4. DTE Gas only includes the downstream emissions of gas sold to customers (excluding EUT customers) multiplied by emission factors found in the GHG Emission Factors Hub.

DTE Vantage does not include Scope 2 or Scope 3 emissions.

Scope(s) or Scope 3 category(ies)

Relevance of Scope 1 emissions from this source

Relevance of location-based Scope 2 emissions from this source

Relevance of market-based Scope 2 emissions from this source

Relevance of Scope 3 emissions from this source

Date of completion of acquisition or merger

Estimated percentage of total Scope 1+2 emissions this excluded source represents

Estimated percentage of total Scope 3 emissions this excluded source represents

Explain why this source is excluded

Explain how you estimated the percentage of emissions this excluded source represents

C6.5

(C6.5) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

Evaluation status

Relevant, calculated

Emissions in reporting year (metric tons CO₂e)

297,000

Emissions calculation methodology

Average data method

Distance-based method



Percentage of emissions calculated using data obtained from suppliers or value chain partners

Please explain

Capital goods

Evaluation status

Relevant, not yet calculated

Please explain

Fuel-and-energy-related activities (not included in Scope 1 or 2)

Evaluation status

Relevant, calculated

Emissions in reporting year (metric tons CO₂e)

3,699,000

Emissions calculation methodology

Average data method

Distance-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners

Please explain

Upstream transportation and distribution



Evaluation status

Relevant, calculated

Emissions in reporting year (metric tons CO2e)

233,000

Emissions calculation methodology

Percentage of emissions calculated using data obtained from suppliers or value chain partners

Please explain

Waste generated in operations

Evaluation status

Relevant, not yet calculated

Please explain

Business travel

Evaluation status

Relevant, not yet calculated

Please explain

Employee commuting



Evaluation status

Relevant, not yet calculated

Please explain

Upstream leased assets

Evaluation status

Relevant, not yet calculated

Please explain

Downstream transportation and distribution

Evaluation status

Not relevant, explanation provided

Please explain

DTE Gas Company's downstream emissions from natural gas deliveries are reported separately under "Use of Sold Products" Scope 3 emissions.

Processing of sold products

Evaluation status

Relevant, not yet calculated

Please explain

The majority of the products sold by DTE Energy are electricity and natural gas. DTE Vantage also sells electricity, hot water, plant air, chilled air, chilled water. Generally, products from DTE Energy are used to provide energy to customers and are generally not processed or reprocessed into other materials. DTE Electric and/or DTE Vantage also sells fly ash, bottom ash, and synthetic gypsum that is used to

produce other products but the emissions from the resulting products are not known. DTE Vantage's EES Coke Battery facility sells biproducts but the emissions from any produced final product is not calculated.

Use of sold products

Evaluation status

Relevant, calculated

Emissions in reporting year (metric tons CO₂e)

8,869,000

Emissions calculation methodology

Percentage of emissions calculated using data obtained from suppliers or value chain partners

Please explain

Emissions reported represent what would result from the combustion of complete oxidation of natural gas delivered by local distribution companies (LDCs) owned by DTE Energy's DTE Gas Company . Downstream emissions for DTE Gas were calculated using the gas sold to customers (excluding EUT customers) multiplied by emission factors found in the GHG Emission Factors Hub.

End of life treatment of sold products

Evaluation status

Not relevant, explanation provided

Please explain

The largest amount of products sold by DTE Energy are electricity and natural gas. Once consumed, there is no end of life of these sold energy products.

Downstream leased assets



Evaluation status

Please explain

Franchises

Evaluation status

Please explain

Investments

Evaluation status

Please explain

Other (upstream)

Evaluation status

Please explain

Other (downstream)

Evaluation status



Please explain

C6.7

(C6.7) Are carbon dioxide emissions from biogenic carbon relevant to your organization?

Yes

C6.7a

(C6.7a) Provide the emissions from biogenic carbon relevant to your organization in metric tons CO2.

	CO2 emissions from biogenic carbon (metric tons CO2)	Comment
Row 1	1,060,000	DTE Vantage facilities are the sole producer of biogenic CO2 emissions for DTE Energy.

C6.10

(C6.10) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Intensity figure

0.0014

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

27,278,000

Metric denominator

unit total revenue

Metric denominator: Unit total

19,228,000,000

Scope 2 figure used

Location-based

% change from previous year

35

Direction of change

Decreased

Reason(s) for change

Change in output
Change in revenue
Change in boundary

Please explain

A decrease in emissions (5%) with a larger increase in company operating revenue (28%) resulting in a 35% decrease in financial intensity overall for DTE Energy Company.

C-OG6.12

(C-OG6.12) Provide the intensity figures for Scope 1 emissions (metric tons CO₂e) per unit of hydrocarbon category.

Unit of hydrocarbon category (denominator)

Million cubic feet of natural gas

Metric tons CO2e from hydrocarbon category per unit specified

0.5

% change from previous year

0

Direction of change

No change

Reason for change

The decrease in emissions was about the same as the decrease in million cubic feet of natural gas delivered.

Comment

The 2022 total scope 1 emissions and million cubic feet of natural gas delivered for DTE Gas was about the same as 2021 emissions (-1% Change).

C-OG6.13

(C-OG6.13) Report your methane emissions as percentages of natural gas and hydrocarbon production or throughput.

C7. Emissions breakdowns

C7.1

(C7.1) Does your organization break down its Scope 1 emissions by greenhouse gas type?

Yes



C7.1a

(C7.1a) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used greenhouse warming potential (GWP).

Greenhouse gas	Scope 1 emissions (metric tons of CO2e)	GWP Reference
CO2	26,184,000	IPCC Fourth Assessment Report (AR4 - 100 year)
CH4	649,000	IPCC Fourth Assessment Report (AR4 - 100 year)
N2O	124,000	IPCC Fourth Assessment Report (AR4 - 100 year)

C-EU7.1b

(C-EU7.1b) Break down your total gross global Scope 1 emissions from electric utilities value chain activities by greenhouse gas type.

	Gross Scope 1 CO2 emissions (metric tons CO2)	Gross Scope 1 methane emissions (metric tons CH4)	Gross Scope 1 SF6 emissions (metric tons SF6)	Total gross Scope 1 emissions (metric tons CO2e)	Comment
Fugitives					
Combustion (Electric utilities)	25,276,000	3,000		25,456,000	The Total CO2e emissions include approximately 125,000 metric tons of N2O as CO2e and approximately 66,000 metric tons of CH4 as CO2e. DTE Electric does not report emissions of SF6 because those emissions are below the threshold that would require reporting to EPA's GHG reporting program.



Combustion (Gas utilities)					
Combustion (Other)					
Emissions not elsewhere classified					

C-OG7.1b

(C-OG7.1b) Break down your total gross global Scope 1 emissions from oil and gas value chain production activities by greenhouse gas type.

Emissions category

- Combustion (excluding flaring)
- Venting
- Fugitives
- Process (feedstock) emissions
- Other (please specify)

Value chain

- Midstream
- Downstream

Product

- Gas

Gross Scope 1 CO2 emissions (metric tons CO2)



197,000

Gross Scope 1 methane emissions (metric tons CH4)

30,000

Total gross Scope 1 emissions (metric tons CO2e)

941,000

Comment

C7.2

(C7.2) Break down your total gross global Scope 1 emissions by country/area/region.

Country/area/region	Scope 1 emissions (metric tons CO2e)
United States of America	27,081,000
Americas	27,081,000
North America	27,081,000
US, Latin America and Caribbean (USLAC)	

C7.3

(C7.3) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.

By business division

By facility

By activity

C7.3a

(C7.3a) Break down your total gross global Scope 1 emissions by business division.

Business division	Scope 1 emissions (metric ton CO2e)
DTE Electric Company	25,456,000
DTE Gas Company	792,000
DTE Vantage	833,000

C7.3b

(C7.3b) Break down your total gross global Scope 1 emissions by business facility.

Facility	Scope 1 emissions (metric tons CO2e)	Latitude	Longitude
Belle River Power Plant	5,552,000	42.774371	-82.495482
Greenwood Energy Center	300,000	43.105526	-82.697386
Monroe Power Plant	14,907,000	41.890749	-83.34523
River Rouge Power Plant	100	42.273764	-83.112412
St. Clair Power Plant	1,715,000	42.763663	-82.472341
Trenton Channel Power Plant	640,000	42.122172	-83.181271
Delray	29,000	42.294976	-83.102101
DTE East China (Dean Peakers)	221,000	42.774417	-82.481913
Renaissance Power	209,000	43.186187	-84.842994
Belle River Mills Compressor Station	71,000	42.788333	-82.530827
Taggart (Six Lakes) Compressor Station	44,000	43.44356	-85.142801
DTE Energy MichCon LDC	358,000	42.33375	-83.057636
DTE Calvert City, LLC	204,000	37.048101	-88.353361
EES Coke Battery	326,000	42.281083	-83.111722

Enrico Fermi II Nuclear Power Plant	500	41.962868	-83.25762
Non-Stationary sources (DTE Electric Company)	23,000		
Non-Stationary sources (DTE Gas Company)	207,000		
Dearborn Energy Center	136,000	42.295444	-83.231911
Milford Compressor Station	71,000	42.54345	-83.56479
Colfax	300	42.65929	-84.09551
Hancock	20,000	42.54927	-83.43896
Northeast Peaker	7,500	42.45033	-83.03797
Oliver Peaker	60	43.82684	-83.23964
Placid Peaker	200	42.715155	-83.457852
Putnam Peaker	300	43.34707	-83.38262
Superior Peaker	1,400	42.2644	-83.6425
Wilmot Peaker	400	43.456647	-83.18826
Bluewater Energy Center	1,692,000	42.77544	-82.47925
Alpena Compressor Station	2,000	44.0753	-84.67699
Columbus Compressor Station	6,600	42.85265	-82.20269
Kalkaska Compressor Station	7,000	44.693267	-85.202699
Willow Compressor Station	25,600	42.2535	-83.551255
Adrian Energy Associates	20	41.888977	-83.99245
Blue Water Renewables	70	42.917648	-82.59357

Dane Renewable Energy	700	43.183388	-89.163997
Davidson Gas Producers	40	35.841655	-80.18347
Fort Bend Power Producers	6	29.40007	-95.71431
Grotegut - Maple Leaf	250		
Iredell Transmission	70	35.770421	-80.823565
Keifer Landfill Generation	20	38.51874	-121.1852
Kewaunee Renewable Energy	2,700	44.61642	-87.63395
New Chester Renewable Energy	2,000	43.88169	-89.68
Pagels Ponderosa	300	44.49988	-87.59559
Pagels Dairy Dreams	100		
Pinnacle Gas Producers	7	39.69537	-84.25729
Potrero Renewable Energy	80	38.21193	-121.97918
Riverview Energy Systems	100	42.156165	-83.21225
Rosendale Renewable Energy	2,000	43.86789	-88.71796
Salem Energy Systems	70	36.18745	-80.28242
Salt Lake Energy Systems	40	40.74041	-112.03467
Seabreeze Energy Producers	5	29.148087	-95.37494
Sunshine Gas Producers	200	34.32281	-118.51069
Uwharrie Mountain Renewable Energy	100	35.3329	-79.965507
Westside Gas Producers	6	41.919772	-85.68217
DTE Atlantic, LLC	38,000	39.37339	-74.43632
DTE St. Bernard, LLC	95,000	39.174635	-84.501807

EC-ITP1	5,000	40.5238	-86.1196
EC-ITP2	3,000		
EC-MACK	8,000		
EC-SSP	0		
EC-TNAP	3,000		
Energy Center - SHAP	9,000		
Energy Center - WTAP	36,000		
Ford BU Gen Claymine	80		
Ford BU Gen R&E	90		
Ford BU Gen WHQ	80		
Marietta	64,000	39.37403	-81.50578
Mt. Poso	3,000	35.60347	-119.07746
St. Paul	15,000		
Stockton	9,600	37.94323	-121.32993

C7.3c

(C7.3c) Break down your total gross global Scope 1 emissions by business activity.

Activity	Scope 1 emissions (metric tons CO2e)
Stationary Sources (Combustion and Fugitives)	27,034,000
Mobile Combustion Sources (Vehicles)	48,000



C-CE7.4/C-CH7.4/C-CO7.4/C-EU7.4/C-MM7.4/C-OG7.4/C-ST7.4/C-TO7.4/C-TS7.4

(C-CE7.4/C-CH7.4/C-CO7.4/C-EU7.4/C-MM7.4/C-OG7.4/C-ST7.4/C-TO7.4/C-TS7.4) Break down your organization’s total gross global Scope 1 emissions by sector production activity in metric tons CO2e.

	Gross Scope 1 emissions, metric tons CO2e	Comment
Electric utility activities	25,456,000	
Oil and gas production activities (upstream)		
Oil and gas production activities (midstream)	792,000	
Oil and gas production activities (downstream)	357,000	

C7.5

(C7.5) Break down your total gross global Scope 2 emissions by country/area/region.

Country/area/region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
United States of America	197,000	
Americas	197,000	
North America	197,000	
US, Latin America and Caribbean (USLAC)		

C7.6

(C7.6) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.

- By business division
- By activity



C7.6a

(C7.6a) Break down your total gross global Scope 2 emissions by business division.

Business division	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
-------------------	--	--

C7.6c

(C7.6c) Break down your total gross global Scope 2 emissions by business activity.

Activity	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Transmission and distribution line losses of purchased power on the DTE Electric Company system	197,000	

C7.7

(C7.7) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?

No

C-CE7.7/C-CH7.7/C-CO7.7/C-MM7.7/C-OG7.7/C-ST7.7/C-TO7.7/C-TS7.7

(C-CE7.7/C-CH7.7/C-CO7.7/C-MM7.7/C-OG7.7/C-ST7.7/C-TO7.7/C-TS7.7) Break down your organization’s total gross global Scope 2 emissions by sector production activity in metric tons CO2e.

	Scope 2, location-based, metric tons CO2e	Scope 2, market-based (if applicable), metric tons CO2e	Comment
Oil and gas production activities (upstream)			
Oil and gas production activities (midstream)			



Oil and gas production activities (downstream)			
--	--	--	--

C7.9

(C7.9) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?

Decreased

C7.9a

(C7.9a) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.

	Change in emissions (metric tons CO2e)	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption			
Other emissions reduction activities			
Divestment			
Acquisitions			
Mergers			
Change in output			
Change in methodology			
Change in boundary			
Change in physical operating conditions			
Unidentified			
Other			



C7.9b

(C7.9b) Are your emissions performance calculations in C7.9 and C7.9a based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?

Location-based

C8. Energy

C8.1

(C8.1) What percentage of your total operational spend in the reporting year was on energy?

C8.2

(C8.2) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Yes
Consumption of purchased or acquired electricity	Yes
Consumption of purchased or acquired heat	No
Consumption of purchased or acquired steam	No
Consumption of purchased or acquired cooling	No
Generation of electricity, heat, steam, or cooling	Yes

C8.2a

(C8.2a) Report your organization's energy consumption totals (excluding feedstocks) in MWh.



	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)				
Consumption of purchased or acquired electricity				
Consumption of self-generated non-fuel renewable energy				
Total energy consumption				

C8.2b

(C8.2b) Select the applications of your organization’s consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	Yes
Consumption of fuel for the generation of heat	Yes
Consumption of fuel for the generation of steam	Yes
Consumption of fuel for the generation of cooling	No
Consumption of fuel for co-generation or tri-generation	No

C8.2c

(C8.2c) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Sustainable biomass

Heating value



Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

Comment

Other biomass

Heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

Comment



Other renewable fuels (e.g. renewable hydrogen)

Heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

Comment

Coal

Heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity



MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

Comment

Oil

Heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

Comment

Gas

Heating value



Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

Comment

Other non-renewable fuels (e.g. non-renewable hydrogen)

Heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

Comment



Total fuel

Heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

Comment

C8.2d

(C8.2d) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.

	Total Gross generation (MWh)	Generation that is consumed by the organization (MWh)	Gross generation from renewable sources (MWh)	Generation from renewable sources that is consumed by the organization (MWh)
Electricity				
Heat				



Steam				
Cooling				

C-EU8.2d

(C-EU8.2d) For your electric utility activities, provide a breakdown of your total power plant capacity, generation, and related emissions during the reporting year by source.

Coal – hard

Nameplate capacity (MW)

5,660

Gross electricity generation (GWh)

Net electricity generation (GWh)

24,159

Absolute scope 1 emissions (metric tons CO2e)

22,905,000

Scope 1 emissions intensity (metric tons CO2e per GWh)

948

Comment

Only net electricity generation is reported in this disclosure. DTE Energy is providing scope 1 emissions rounded to the nearest thousands. Scope 1 emission intensity is calculated from the rounded emission value.

Lignite

Nameplate capacity (MW)

Gross electricity generation (GWh)

Net electricity generation (GWh)

Absolute scope 1 emissions (metric tons CO2e)

Scope 1 emissions intensity (metric tons CO2e per GWh)

Comment

This section is not applicable to DTE Electric.

Oil

Nameplate capacity (MW)

247

Gross electricity generation (GWh)

8

Net electricity generation (GWh)

Absolute scope 1 emissions (metric tons CO2e)

14,000

Scope 1 emissions intensity (metric tons CO2e per GWh)

1,851



Comment

This section only applies to the peaking units that use oil to produce electricity. Only net electricity generation is reported in this disclosure. DTE Energy is providing scope 1 emissions rounded to the nearest thousands. Scope 1 emission intensity is calculated from the rounded emission value.

Gas

Nameplate capacity (MW)

3,700

Gross electricity generation (GWh)

Net electricity generation (GWh)

7,974

Absolute scope 1 emissions (metric tons CO2e)

2,503,000

Scope 1 emissions intensity (metric tons CO2e per GWh)

314

Comment

This section only applies to base load units and peaking units that use natural gas to produce electricity. Only net electricity generation is reported in this disclosure. DTE Energy is providing scope 1 emissions rounded to the nearest thousands. Scope 1 emission intensity is calculated from the rounded emission value.

Sustainable biomass

Nameplate capacity (MW)

Gross electricity generation (GWh)



Net electricity generation (GWh)

Absolute scope 1 emissions (metric tons CO2e)

Scope 1 emissions intensity (metric tons CO2e per GWh)

Comment

This section is not applicable to DTE Electric.

Other biomass

Nameplate capacity (MW)

Gross electricity generation (GWh)

Net electricity generation (GWh)

Absolute scope 1 emissions (metric tons CO2e)

Scope 1 emissions intensity (metric tons CO2e per GWh)

Comment

This section is not applicable to DTE Electric.

Waste (non-biomass)

Nameplate capacity (MW)

Gross electricity generation (GWh)

Net electricity generation (GWh)

Absolute scope 1 emissions (metric tons CO₂e)

Scope 1 emissions intensity (metric tons CO₂e per GWh)

Comment

This section is not applicable to DTE Electric.

Nuclear

Nameplate capacity (MW)

1,141

Gross electricity generation (GWh)

Net electricity generation (GWh)

6,649

Absolute scope 1 emissions (metric tons CO₂e)

Scope 1 emissions intensity (metric tons CO₂e per GWh)

Comment

Only net electricity generation is reported in this disclosure. DTE Energy is providing scope 1 emissions rounded to the nearest thousands. Scope 1 emission intensity is calculated from the rounded emission value. There are zero emissions from the nuclear power plant. Therefore Scope 1 emissions intensity is 0 metric tons CO₂e per GWh.

Fossil-fuel plants fitted with CCS

Nameplate capacity (MW)

Gross electricity generation (GWh)

Net electricity generation (GWh)

Absolute scope 1 emissions (metric tons CO₂e)

Scope 1 emissions intensity (metric tons CO₂e per GWh)

Comment

This section is not applicable to DTE Electric.

Geothermal

Nameplate capacity (MW)



Gross electricity generation (GWh)

Net electricity generation (GWh)

Absolute scope 1 emissions (metric tons CO2e)

Scope 1 emissions intensity (metric tons CO2e per GWh)

Comment

This section is not applicable to DTE Electric.

Hydropower

Nameplate capacity (MW)

1,122

Gross electricity generation (GWh)

Net electricity generation (GWh)

0

Absolute scope 1 emissions (metric tons CO2e)

Scope 1 emissions intensity (metric tons CO2e per GWh)

Comment



Only net electricity generation is reported in this disclosure, which is -1 GWh (not 0 as reported) and out of the specified range. DTE Energy is providing scope 1 emissions rounded to the nearest thousands. Scope 1 emission intensity is calculated from the rounded emission value. There are zero emissions from hydroelectric generation. Therefore Scope 1 emissions intensity is 0 metric tons CO₂e per GWh.

Wind

Nameplate capacity (MW)

1,342

Gross electricity generation (GWh)

Net electricity generation (GWh)

4,074

Absolute scope 1 emissions (metric tons CO₂e)

Scope 1 emissions intensity (metric tons CO₂e per GWh)

Comment

Only net electricity generation is reported in this disclosure. DTE Energy is providing scope 1 emissions rounded to the nearest thousands. Scope 1 emission intensity is calculated from the rounded emission value. There are zero emissions from wind generation. Therefore Scope 1 emissions intensity is 0 metric tons CO₂e per GWh.

Solar

Nameplate capacity (MW)

67

Gross electricity generation (GWh)



Net electricity generation (GWh)

83

Absolute scope 1 emissions (metric tons CO2e)

Scope 1 emissions intensity (metric tons CO2e per GWh)

Comment

Only net electricity generation is reported in this disclosure. DTE Energy is providing scope 1 emissions rounded to the nearest thousands. Scope 1 emission intensity is calculated from the rounded emission value. There are zero emissions from solar generation. Therefore Scope 1 emissions intensity is 0 metric tons CO2e per GWh.

Marine

Nameplate capacity (MW)

Gross electricity generation (GWh)

Net electricity generation (GWh)

Absolute scope 1 emissions (metric tons CO2e)

Scope 1 emissions intensity (metric tons CO2e per GWh)

Comment

This section is not applicable to DTE Electric.



Other renewable

Nameplate capacity (MW)

Gross electricity generation (GWh)

Net electricity generation (GWh)

Absolute scope 1 emissions (metric tons CO2e)

Scope 1 emissions intensity (metric tons CO2e per GWh)

Comment

This section is not applicable to DTE Electric.

Other non-renewable

Nameplate capacity (MW)

Gross electricity generation (GWh)

Net electricity generation (GWh)

Absolute scope 1 emissions (metric tons CO2e)

Scope 1 emissions intensity (metric tons CO2e per GWh)

Comment

This section is not applicable to DTE Electric.

Total

Nameplate capacity (MW)

13,279

Gross electricity generation (GWh)

Net electricity generation (GWh)

42,947

Absolute scope 1 emissions (metric tons CO2e)

25,422,000

Scope 1 emissions intensity (metric tons CO2e per GWh)

592

Comment

Only net electricity generation is reported in this disclosure. DTE Energy is providing scope 1 emissions rounded to the nearest thousands. Scope 1 emission intensity is calculated from the rounded emission value.

C8.2g

(C8.2g) Provide a breakdown by country/area of your non-fuel energy consumption in the reporting year.

C-EU8.4

(C-EU8.4) Does your electric utility organization have a transmission and distribution business?

Yes

C-EU8.4a

(C-EU8.4a) Disclose the following information about your transmission and distribution business.

Country/area/region

United States of America

Voltage level

Distribution (low voltage)

Annual load (GWh)

42,049

Annual energy losses (% of annual load)

3.49

Scope where emissions from energy losses are accounted for

Scope 2 (location-based)

Emissions from energy losses (metric tons CO₂e)

Length of network (km)

76,330



Number of connections

2,300,000

Area covered (km2)

52,620

Comment

DTE Electric Company has approximately 2.3 million residential, commercial, and industrial customers in southeastern Michigan. Scope 2 emissions are reported for energy losses from purchased power that travels through the DTE distribution system. Emissions are calculated using US EPA's eGRID2019 CO2e emission factor for RFC Michigan (published 2/23/2021).

C9. Additional metrics

C9.1

(C9.1) Provide any additional climate-related metrics relevant to your business.

C-OG9.3a

(C-OG9.3a) Disclose your total refinery throughput capacity in the reporting year in thousand barrels per day.

Total refinery throughput capacity (Thousand barrels per day)	
Capacity	

C-OG9.3b

(C-OG9.3b) Disclose feedstocks processed in the reporting year in million barrels per year.

Throughput (Million barrels)	Comment



Oil		
Other feedstocks		
Total		

C-OG9.3c

(C-OG9.3c) Are you able to break down your refinery products and net production?

C-OG9.5a/C-CO9.5a

(C-OG9.5a/C-CO9.5a) Break down, by fossil fuel expansion activity, your organization’s CAPEX in the reporting year and CAPEX planned over the next 5 years.

	CAPEX in the reporting year for this expansion activity (unit currency as selected in C0.4)	CAPEX in the reporting year for this expansion activity as % of total CAPEX in the reporting year	CAPEX planned over the next 5 years for this expansion activity as % of total CAPEX planned over the next 5 years	Explain your CAPEX calculations, including any assumptions
Exploration of new oil fields				
Exploration of new natural gas fields				
Expansion of existing oil fields				
Expansion of existing natural gas fields				

C-EU9.5a

(C-EU9.5a) Break down, by source, your organization's CAPEX in the reporting year and CAPEX planned over the next 5 years.

Coal – hard

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Explain your CAPEX calculations, including any assumptions

Lignite

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Explain your CAPEX calculations, including any assumptions

Oil

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Explain your CAPEX calculations, including any assumptions

Gas

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Explain your CAPEX calculations, including any assumptions

Sustainable biomass

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Explain your CAPEX calculations, including any assumptions

Other biomass

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Explain your CAPEX calculations, including any assumptions

Waste (non-biomass)

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Explain your CAPEX calculations, including any assumptions

Nuclear

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Explain your CAPEX calculations, including any assumptions

Geothermal

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Explain your CAPEX calculations, including any assumptions

Hydropower

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Explain your CAPEX calculations, including any assumptions

Wind

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Explain your CAPEX calculations, including any assumptions

Solar

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Explain your CAPEX calculations, including any assumptions

Marine

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Explain your CAPEX calculations, including any assumptions

Fossil-fuel plants fitted with CCS

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Explain your CAPEX calculations, including any assumptions

Other renewable (e.g. renewable hydrogen)

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Explain your CAPEX calculations, including any assumptions

Other non-renewable (e.g. non-renewable hydrogen)

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years



Explain your CAPEX calculations, including any assumptions

C-EU9.5b

(C-EU9.5b) Break down your total planned CAPEX in your current CAPEX plan for products and services (e.g. smart grids, digitalization, etc.).

Products and services	Description of product/service	CAPEX planned for product/service	Percentage of total CAPEX planned products and services	End of year CAPEX plan
Distributed generation	Distribution infrastructure	9,000,000,000	50	2027

C-CE9.6/C-CG9.6/C-CH9.6/C-CN9.6/C-CO9.6/C-EU9.6/C-MM9.6/C-OG9.6/C-RE9.6/C-ST9.6/C-TO9.6/C-TS9.6

(C-CE9.6/C-CG9.6/C-CH9.6/C-CN9.6/C-CO9.6/C-EU9.6/C-MM9.6/C-OG9.6/C-RE9.6/C-ST9.6/C-TO9.6/C-TS9.6) Does your organization invest in research and development (R&D) of low-carbon products or services related to your sector activities?

	Investment in low-carbon R&D	Comment
Row 1	Yes	DTE Electric received approval for its first electric vehicle (EV) pilot, Charging Forward, in May 2019. The Charging Forward program has since grown with two additional approved filings, Charging Forward eFleets and the Charging Forward Expansion in 2021 and 2022 respectively. The total approved budget for all Charging Forward programs is now approximately \$46 million. Key components of Charging Forward include education & outreach, EV driver incentives, site host rebates, and fleet advisory services. Additionally, the Company launched an Emerging Technology Fund in 2023 that was approved as part of the Charging Forward Expansion. The Emerging Technology Fund supports EV research & development pilots such as new and novel



		technologies that enable efficient EV-grid integration. The Company is currently developing a Transportation Electrification Plan (TEP) that will detail its EV strategy and investment through 2028 and will be published by year end.
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C-CO9.6a/C-EU9.6a/C-OG9.6a

(C-CO9.6a/C-EU9.6a/C-OG9.6a) Provide details of your organization's investments in low-carbon R&D for your sector activities over the last three years.

Technology area	Stage of development in the reporting year	Average % of total R&D investment over the last 3 years	R&D investment figure in the reporting year (unit currency as selected in C0.4) (optional)	Average % of total R&D investment planned over the next 5 years	Explain how your R&D investment in this technology area is aligned with your climate commitments and/or climate transition plan

C-OG9.7

(C-OG9.7) Disclose the breakeven price (US\$/BOE) required for cash neutrality during the reporting year, i.e. where cash flow from operations covers CAPEX and dividends paid/ share buybacks.

C-OG9.8

(C-OG9.8) Is your organization involved in the sequestration of CO2?



C10. Verification

C10.1

(C10.1) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	No third-party verification or assurance
Scope 2 (location-based or market-based)	No third-party verification or assurance
Scope 3	No third-party verification or assurance

C10.2

(C10.2) Do you verify any climate-related information reported in your CDP disclosure other than the emissions figures reported in C6.1, C6.3, and C6.5?

No, we do not verify any other climate-related information reported in our CDP disclosure

C11. Carbon pricing

C11.1

(C11.1) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?

No, and we do not anticipate being regulated in the next three years

C11.2

(C11.2) Has your organization canceled any project-based carbon credits within the reporting year?

No

C11.3

(C11.3) Does your organization use an internal price on carbon?

Yes

C11.3a

(C11.3a) Provide details of how your organization uses an internal price on carbon.

Type of internal carbon price

Shadow price

How the price is determined

Alignment with the price of allowances under an Emissions Trading Scheme
Price with material impact on business decisions

Objective(s) for implementing this internal carbon price

Change internal behavior
Drive energy efficiency
Drive low-carbon investment
Identify and seize low-carbon opportunities
Navigate GHG regulations
Stakeholder expectations

Scope(s) covered

Scope 1
Scope 3 (downstream)

Pricing approach used – spatial variance

Uniform

Pricing approach used – temporal variance

Evolutionary

Indicate how you expect the price to change over time

It is expected that the carbon price will increase over time. The Company's carbon price starts in 2027, prior to 2027, \$0/Metric ton is used.

Actual price(s) used – minimum (currency as specified in C0.4 per metric ton CO2e)

7.03

Actual price(s) used – maximum (currency as specified in C0.4 per metric ton CO2e)

22.32

Business decision-making processes this internal carbon price is applied to

Capital expenditure

Mandatory enforcement of this internal carbon price within these business decision-making processes

Yes, for some decision-making processes, please specify

Integrated resource planning and capital projects in the Generation business.

Explain how this internal carbon price has contributed to the implementation of your organization's climate commitments and/or climate transition plan

Carbon prices were used in the DTE Electric 2022 Integrated Resource Planning (IRP) process. The IRP was filed with the State in November 2022. A variety of prices streams are used in various market scenarios in the capacity expansion modeling. The results of these different carbon price scenarios helped inform the selection of the Company's Proposed Course of Action in the Company's IRP. The PCA is the Company's resource portfolio for the next 20 years (through 2042), including retirements, and new resource additions. DTE Electric's climate goals are an outcome of the modeling performed in the IRP to determine the PCA.

C12. Engagement

C12.1

(C12.1) Do you engage with your value chain on climate-related issues?

Yes, our suppliers

C12.1a

(C12.1a) Provide details of your climate-related supplier engagement strategy.

Type of engagement

Other, please specify

Annual TSP 2.0 ESG Assessment

Details of engagement

Other, please specify

The Sustainable Supply Chain Alliance (SSCA) administers an annual ESG assessment on behalf of DTE.

% of suppliers by number

4

% total procurement spend (direct and indirect)

51

% of supplier-related Scope 3 emissions as reported in C6.5

0

Rationale for the coverage of your engagement



DTE is a member of the SSCA. Our top suppliers completed an annual ESG assessment called The Sustainability Project (TSP 2.0). The suppliers report out climate related information in the annual assessment.

Impact of engagement, including measures of success

Continuing to engage with suppliers so they know how important this topic is to DTE. Providing suppliers the resources through SSCA to measure and improve their GHG emissions.

Comment

DTE Gas executed its first purchases of certified, responsibly sourced gas during the summers of 2022 and 2023.
In 2022, we made 2 purchases of certified gas totaling 1.1 Bcf, certified by third parties to have an average Methane Intensity of 0.061%
In 2023, we purchased 2 Bcf of Trustwell Platinum certified gas, which was certified by a third-party to have a Methane Intensity of less than 0.10%

C12.2

(C12.2) Do your suppliers have to meet climate-related requirements as part of your organization’s purchasing process?

No, and we do not plan to introduce climate-related requirements within the next two years

C12.3

(C12.3) Does your organization engage in activities that could either directly or indirectly influence policy, law, or regulation that may impact the climate?

Row 1

External engagement activities that could directly or indirectly influence policy, law, or regulation that may impact the climate

- Yes, we engage directly with policy makers
- Yes, our membership of/engagement with trade associations could influence policy, law, or regulation that may impact the climate
- Yes, we fund organizations or individuals whose activities could influence policy, law, or regulation that may impact the climate

Does your organization have a public commitment or position statement to conduct your engagement activities in line with the goals of the Paris Agreement?

Yes

Attach commitment or position statement(s)

Describe the process(es) your organization has in place to ensure that your external engagement activities are consistent with your climate commitments and/or climate transition plan

DTE Energy has goals of reaching net-zero carbon and greenhouse gas emissions by 2050 while providing clean, reliable, and affordable energy to our customers. DTE Energy carefully reviews trade association policies as they relate to climate change and decarbonization. DTE Energy actively participates in organizations that help advocate for policies that align with our climate change and decarbonization goals. DTE Energy participates in trade associations through sitting on boards and committees, involvement in projects and initiatives that shape policy positions, and advocacy with all levels of government. DTE Energy ensures alignment between trade associations positions, and advocacy and our goals.

C12.3a

(C12.3a) On what policy, law, or regulation that may impact the climate has your organization been engaging directly with policy makers in the reporting year?

C12.3b

(C12.3b) Provide details of the trade associations your organization is a member of, or engages with, which are likely to take a position on any policy, law or regulation that may impact the climate.

Trade association

Edison Electric Institute (EII)

Is your organization's position on climate change policy consistent with theirs?

Consistent

Has your organization attempted to influence their position in the reporting year?

Yes, and they have changed their position

Describe how your organization's position is consistent with or differs from the trade association's position, and any actions taken to influence their position

EEl member companies are committed to addressing the challenge of climate change and have undertaken a wide range of initiatives over the last 30 years to reduce, avoid or sequester GHG emissions. As of year-end 2019, the electric power sector's carbon dioxide (CO₂) emissions were 33% below a 2005 baseline. Collectively, EEI's member companies are on a path to reduce carbon emissions at least 80% by 2050, compared with peak levels in 2005. An EEI CEO group has also launched a Natural Gas Supplier Initiative - an overarching framework to recognize and advance the innovative, voluntary sustainability programs for natural gas from the wellhead to the burner tip. NGSI enables the natural gas industry to measure, disclose, and recognize industry-wide progress and innovation on key sustainability metrics. DTE Energy actively participates in organizations that help advocate for policies that align with our climate change and decarbonization goals. DTE Energy participates in trade associations through sitting on boards and committees, involvement in projects and initiatives that shape policy positions, and advocacy with all levels of government. DTE Energy ensures alignment between trade association positions and advocacy of our goals.

Funding figure your organization provided to this trade association in the reporting year (currency as selected in C0.4)

Describe the aim of your organization's funding

Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?

Trade association

American Gas Association



Is your organization’s position on climate change policy consistent with theirs?

Consistent

Has your organization attempted to influence their position in the reporting year?

Yes, and they have changed their position

Describe how your organization’s position is consistent with or differs from the trade association’s position, and any actions taken to influence their position

The American Gas Association (AGA) is committed to reducing greenhouse gas emissions through smart innovation, new and modernized infrastructure, and advanced technologies that maintain reliable, resilient, and affordable energy service choices for consumers. In addition, AGA has partnered with EEI on the Natural Gas Sustainability Initiative that enables the natural gas industry to measure, disclose, and recognize industry-wide progress and innovation on key sustainability metrics. DTE Energy actively participates in organizations that help advocate for policies that align with our climate change and decarbonization goals. DTE Energy participates in trade associations through sitting on boards and committees, involvement in projects and initiatives that shape policy positions, and advocacy with all levels of government. DTE Energy ensures alignment between trade association positions and advocacy of our goals.

Funding figure your organization provided to this trade association in the reporting year (currency as selected in C0.4)

Describe the aim of your organization’s funding

Have you evaluated whether your organization’s engagement with this trade association is aligned with the goals of the Paris Agreement?

Trade association

Other, please specify

Nuclear Energy Institute



Is your organization’s position on climate change policy consistent with theirs?

Consistent

Has your organization attempted to influence their position in the reporting year?

Yes, we attempted to influence them but they did not change their position

Describe how your organization’s position is consistent with or differs from the trade association’s position, and any actions taken to influence their position

From NEI's website: current investment in carbon-free energy isn't enough. To address the climate crisis, we must embrace a carbon-free future and commit to more nuclear energy with wind and solar to power a brighter future. Our energy needs are changing. According to the U.S. Energy and Information Administration, the United States will need 34% more electricity by 2050. At the same time, in order to avoid the worst effects of climate change, we also need to greatly reduce our carbon emissions from electricity generation. Ensuring traditional reactors, as well as advanced reactors like small modular reactors (SMRs), are included in our energy mix is necessary to provide the electricity we will need while meeting carbon-free commitments and addressing climate change. DTE Energy actively participates in organizations that help advocate for policies that align with our climate change and decarbonization goals. DTE Energy participates in trade associations through sitting on boards and committees, involvement in projects and initiatives that shape policy positions, and advocacy with all levels of government. DTE Energy ensures alignment between trade association positions and advocacy of our goals.

Funding figure your organization provided to this trade association in the reporting year (currency as selected in C0.4)

Describe the aim of your organization’s funding

Have you evaluated whether your organization’s engagement with this trade association is aligned with the goals of the Paris Agreement?

Trade association

Other, please specify

Interstate Natural Gas Association of America

Is your organization's position on climate change policy consistent with theirs?

Consistent

Has your organization attempted to influence their position in the reporting year?

Yes, and they have changed their position

Describe how your organization's position is consistent with or differs from the trade association's position, and any actions taken to influence their position

According to the position stated on INGAA's website, INGAA's members recognize the need to build upon our efforts and to continue to act to address global climate change by advancing our commitment to minimize greenhouse gas emissions, including methane emissions.

Commitments include an active effort to address climate change by supporting renewables, as well as new and innovative technologies and process enhancements that will further reduce emissions. Support sound public policies that protect the environment while ensuring a safe, reliable, and resilient energy transmission system that provides affordable energy for businesses and families. DTE Energy actively participates in organizations that help advocate for policies that align with our climate change and decarbonization goals. DTE Energy participates in trade associations through sitting on boards and committees, involvement in projects and initiatives that shape policy positions, and advocacy with all levels of government. DTE Energy ensures alignment between trade association positions and advocacy of our goals.

Funding figure your organization provided to this trade association in the reporting year (currency as selected in C0.4)

Describe the aim of your organization's funding

Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?

Trade association

Other, please specify
CEO Climate Dialogue

Is your organization's position on climate change policy consistent with theirs?

Consistent

Has your organization attempted to influence their position in the reporting year?

Yes, and they have changed their position

Describe how your organization's position is consistent with or differs from the trade association's position, and any actions taken to influence their position

The CEO Climate Dialogue (CEO Dialogue) is a group of 23 companies with over \$1.4 trillion in combined annual revenue and four leading environmental nonprofit organizations that are committed to advancing climate action and durable federal climate policy in the U.S. Congress. The goal of the group is to urge the President and Congress to enact a market-based approach to climate change in accordance with a set of six Guiding Principles for climate legislation. We believe it is urgent that the President and Congress put in place a long-term federal policy as soon as possible to protect against the worst impacts of climate change. Acting sooner rather than later allows us to meet the climate challenge at the least possible cost and put the required investments in place in time to meet the necessary emissions targets. Adherence to the full set of the following principles can help ensure success: 1. Significantly reduce U.S. greenhouse gas emissions. 2. Effective -timely and certainty, 3. Market-based, 4. Durable and responsive, 5. Do no harm, 6. Promote equity. More details of the Guiding Principles are provided at www.ceoclimatedialogue.org/guiding-principles. DTE Energy's CEO has been involved since the inception of the CEO Climate Dialogue and worked to influence the six guiding principles.

Funding figure your organization provided to this trade association in the reporting year (currency as selected in C0.4)

Describe the aim of your organization's funding

Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?

Trade association

Other, please specify

Michigan Chamber of Commerce

Is your organization's position on climate change policy consistent with theirs?

Consistent

Has your organization attempted to influence their position in the reporting year?

Yes, and they have changed their position

Describe how your organization's position is consistent with or differs from the trade association's position, and any actions taken to influence their position

According to the position stated on the MI Chamber of Commerce's website, the MI Chamber of Commerce ensures the business community is meaningfully engaged and informed on climate change policy discussions at the local, state and federal levels. As part of the policy discussions around climate change, ensure that the energy transition associated with these policies address the state's energy needs and economic competitiveness, be effective, transparent, market-driven, support economic development efforts and be in the best interest of Michigan and the United States. DTE Energy participates in trade associations through sitting on boards and committees, involvement in projects and initiatives that shape policy positions, and advocacy with all levels of government. DTE Energy ensures alignment between trade associations positions and advocacy of our goals.

Funding figure your organization provided to this trade association in the reporting year (currency as selected in C0.4)

Describe the aim of your organization's funding

Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?

C12.3c

(C12.3c) Provide details of the funding you provided to other organizations or individuals in the reporting year whose activities could influence policy, law, or regulation that may impact the climate.

C12.4

(C12.4) Have you published information about your organization's response to climate change and GHG emissions performance for this reporting year in places other than in your CDP response? If so, please attach the publication(s).


Publication


In voluntary communications


Status

Complete

Attach the document

 IRP One pager 2023.pdf

 2022EnergyEfficiencyAnnualReport.pdf

 2021SustainabilityReport-1.pdf

Page/Section reference

Content elements

Other metrics



Comment

2022 Energy Efficiency Report


Publication

In voluntary sustainability report

Status

Underway – previous year attached

Attach the document

 2021SustainabilityReport-1.pdf

Page/Section reference

Content elements

- Governance
- Strategy
- Risks & opportunities
- Emissions figures
- Emission targets
- Other metrics

Comment

2021 Sustainability Report



C12.5

(C12.5) Indicate the collaborative frameworks, initiatives and/or commitments related to environmental issues for which you are a signatory/member.

	Environmental collaborative framework, initiative and/or commitment	Describe your organization’s role within each framework, initiative and/or commitment
Row 1		

C15. Biodiversity

C15.1

(C15.1) Is there board-level oversight and/or executive management-level responsibility for biodiversity-related issues within your organization?

	Board-level oversight and/or executive management-level responsibility for biodiversity-related issues	Description of oversight and objectives relating to biodiversity
Row 1	Yes, both board-level oversight and executive management-level responsibility	See our response to C1.1 and C1.2

C15.2

(C15.2) Has your organization made a public commitment and/or endorsed any initiatives related to biodiversity?

	Indicate whether your organization made a public commitment or endorsed any initiatives related to biodiversity
Row 1	



C15.3

(C15.3) Does your organization assess the impacts and dependencies of its value chain on biodiversity?

Impacts on biodiversity

Indicate whether your organization undertakes this type of assessment

No and we don't plan to within the next two years

Dependencies on biodiversity

Indicate whether your organization undertakes this type of assessment

No and we don't plan to within the next two years

C15.4

(C15.4) Does your organization have activities located in or near to biodiversity- sensitive areas in the reporting year?

No

C15.5

(C15.5) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments?

	Have you taken any actions in the reporting period to progress your biodiversity-related commitments?
Row 1	

C15.6

(C15.6) Does your organization use biodiversity indicators to monitor performance across its activities?

	Does your organization use indicators to monitor biodiversity performance?	Indicators used to monitor biodiversity performance



Row 1	No	
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C15.7

(C15.7) Have you published information about your organization’s response to biodiversity-related issues for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

Report type	Content elements	Attach the document and indicate where in the document the relevant biodiversity information is located
In voluntary sustainability report or other voluntary communications	Biodiversity strategy	1

12021SustainabilityReport-1.pdf

C16. Signoff

C-FI

(C-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

C16.1

(C16.1) Provide details for the person that has signed off (approved) your CDP climate change response.

	Job title	Corresponding job category
Row 1	Shawn P. Patterson, Vice President Environmental Management & Safety	Other, please specify Vice President



SC. Supply chain module

SC0.0

(SC0.0) If you would like to do so, please provide a separate introduction to this module.

DTE Energy provides electricity and natural gas to customers in our DTE Electric and DTE Gas service territories in Michigan. The annual average GHG emissions per KWh of electricity or per standard cubic feet (scf) of natural gas can be calculated by customers using emission factors provided by EPA. DTE Electric also provides an estimate of GHG intensity of electricity delivered to our customers in the EEI Electric Company Carbon Emissions and Electricity Mix Reporting Database which is available to customers of for use in calculating their Scope 2 emissions: <https://www.eei.org/Pages/CO2Emissions.aspx>

SC0.1

(SC0.1) What is your company’s annual revenue for the stated reporting period?

	Annual Revenue
Row 1	19,228,000,000

SC1.1

(SC1.1) Allocate your emissions to your customers listed below according to the goods or services you have sold them in this reporting period.

Requesting member

Scope of emissions



Scope 2 accounting method

Scope 3 category(ies)

Allocation level

Allocation level detail

Emissions in metric tonnes of CO₂e

Uncertainty (±%)

Major sources of emissions

Verified

Allocation method

Market value or quantity of goods/services supplied to the requesting member

Unit for market value or quantity of goods/services supplied



Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

SC1.2

(SC1.2) Where published information has been used in completing SC1.1, please provide a reference(s).

SC1.3

(SC1.3) What are the challenges in allocating emissions to different customers, and what would help you to overcome these challenges?

Allocation challenges	Please explain what would help you overcome these challenges
Customer base is too large and diverse to accurately track emissions to the customer level	DTE Energy provides two commodities to customers: Electricity and Natural Gas. Emissions from customer energy use can be calculated by applying emission factors to each customer's total energy usage. We do not see a need at this time to allocate emissions to customers when estimated emissions can be calculated by the customer.

SC1.4

(SC1.4) Do you plan to develop your capabilities to allocate emissions to your customers in the future?

No

SC1.4b

(SC1.4b) Explain why you do not plan to develop capabilities to allocate emissions to your customers.

DTE Energy provides electricity and gas to our customers. The GHG emissions from the electricity delivered by DTE Electric to our customers can be calculated using EPA's e-GRID emission factors for electricity purchased off of the energy grid or by using an estimate of GHG intensity of electricity



delivered to our customers in the EEI Electric Company Carbon Emissions and Electricity Mix Reporting Database which is available to customers for use in calculating their Scope 2 emissions: <https://www.eei.org/Pages/CO2Emissions.aspx> , or based on contracts and/or bilateral agreements with electricity providers such as renewable or other low-carbon energy providers.

Customers can calculate emissions from DTE Gas deliveries using the volume of gas delivered and billed by DTE Gas times an emission factor for natural gas provided by EPA or other sources.

SC2.1

(SC2.1) Please propose any mutually beneficial climate-related projects you could collaborate on with specific CDP Supply Chain members.

SC2.2

(SC2.2) Have requests or initiatives by CDP Supply Chain members prompted your organization to take organizational-level emissions reduction initiatives?

No

SC4.1

(SC4.1) Are you providing product level data for your organization's goods or services?

No, I am not providing data

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP



	I understand that my response will be shared with all requesting stakeholders	Response permission
Please select your submission options	Yes	Public

Please confirm below

I have read and accept the applicable Terms