

Module: Introduction

Page: Introduction

0.1

Introduction

Please give a general description and introduction to your organization.

Entergy Corporation is an integrated energy company engaged primarily in electric power production and retail distribution operations. Entergy owns and operates power plants with approximately 30,000 megawatts of electric generating capacity, and it is the second-largest nuclear generator in the United States. Entergy delivers electricity to 2.7 million utility customers in Arkansas, Louisiana, Mississippi and Texas. Entergy has annual revenues of more than \$10 billion and more than 15,000 employees. See attached the 2009 Annual Review, Annual Report, SEC Form 10-K and Proxy Statements for more general information regarding Entergy.

0.2

Reporting Year

Please state the start and end date of the year for which you are reporting data.

Enter Periods that will be disclosed

Thu 01 Jan 2009 - Thu 31 Dec 2009

0.3

Are you participating in the Walmart Sustainability Assessment?

No

0.4

Modules

As part of the Investor CDP information request, electric utilities, companies with electric utility activities or assets, companies in the automobile or auto component manufacture sectors and companies in the oil and gas industry should complete supplementary questions in addition to the main questionnaire.

If you are in these sectors, the corresponding sector modules will be marked as default options to your information request.

If you have not been presented with a sector module that you consider would be appropriate for your company to answer, please select the module below. If you wish to view the questions first, please see www.cdproject.net/cdp-questionnaire.

Electrical

0.5

Country list configuration

Please select the countries for which you will be supplying data. This selection will be carried forward to assist you in completing your response.

Select country

United States of America

0.6

Please select if you wish to complete a shorter information request.

Further Information

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Introduction/2009 ETR Annual Review FINAL.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Introduction/2009%20ETR%20Annual%20Review%20FINAL.pdf)
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Module: Governance

Page: Governance

1.1

Where is the highest level of responsibility for climate change within your company?
Board committee or other executive body

1.1a

Please specify who is responsible.

Board/Executive Board

1.1b

Select the lower level department responsible.

1.2

What is the mechanism by which the board committee or other executive body reviews the company's progress and status regarding climate change?

J. Wayne Leonard, Chairman and CEO of Entergy, is directly engaged in climate change issues at the board level. In addition, the Board Audit Committee annually assesses risks and controls associated with environmental issues including climate change. In 2008, Entergy formed a Climate Change Initiative & Working Group to develop, shape and refine Entergy's climate change position (see attached org chart). The Safety & Environment Executive Forum approves Entergy's climate change strategy and monitors its execution. The Forum meets quarterly. Gary Serio, VP Safety & Environment manages the company's climate strategy. Mr. Leonard recognizes climate change as the defining issue of our generation. He has set environmental aspirations for Entergy to become the cleanest generator in the U.S., to advocate for mandatory climate change legislation, to conserve natural resources and eliminate inefficient usage. He monitors progress towards achieving those aspirations quarterly. Mr. Leonard approved Entergy's 2006 to 2010 Environmental Strategy in 2005 and monitors progress toward achieving the goals set out in this strategy. In the 2009 Annual Review, climate change and Entergy's progress toward meeting our aspirations continued as a central theme in his

"Letter to Stakeholders" and the "Progress Against Our Aspirations" sections. An entire section on climate change is also included in the Annual Review [see 2009 Annual Review, pgs 2-9, 23-25]. Several groups and departments within the company play a role in Entergy's activities related to climate change. In addition to emission GHG tracking, reporting and overall strategy (managed by the Vice President, Safety and Environment), Entergy has established two vice president-level positions dedicated to advanced technology (both generation and transmission/distribution) evaluation and deployment in response to climate change. Additionally, recognizing the significance of the issue to our business and the technical, legislative, legal and regulatory analysis necessary to plan for the impacts, Entergy created a position in 2008 dedicated to climate change. The Director, Climate Consulting reports directly to the Executive Vice President of Operations and is focused on detailed analysis and reporting to Entergy's senior management on technology issues, legislative analysis, physical risk evaluation, adaptation strategy development and outreach activities. Finally, in recognition of the ties between smart carbon policy and the needs of our low-income customers, Entergy's Vice President of Public Affairs and the leader of our Low-Income Initiative is an important member of our internal Climate Change Initiative & Working Group (see attached CCI Org Chart). Her participation helps ensure that the social implications of this important environmental issue are proactively addressed.

1.3a

Please explain how overall responsibility for climate change is managed within your company.

1.3b

Please explain how overall responsibility for climate change is managed within your company.

1.4

Do you provide incentives for the management of climate change issues, including the attainment of greenhouse gas (GHG) targets?

Yes

1.5

Please complete the table.

Who is entitled to benefit from those incentives?	The type of incentives
Corporate executive team	Monetary reward
Environment/sustainability managers	Monetary reward
All employees	Recognition (non-monetary)

Further Information

Entergy uses a systematic review of performance against measurable targets and indicators to direct compensation allocations. Individuals and groups set targets related to advancing climate change strategy objectives and are rewarded based upon how well they performed attaining the targets. Individuals and groups directly involved in impacting GHG performance and engaging in climate change policy development would benefit from these incentives. This would include executive and senior management, environmental support groups, social responsibility groups and other various individuals throughout the company involved in these activities.

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Governance/2009 Entergy Sustainability Report FINAL.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Governance/2009%20Entergy%20Sustainability%20Report%20FINAL.pdf)
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Module: Risks and Opportunities

Page: Risks & Opportunities Identification Process

2.1

Describe your company's process for identifying significant risks and/or opportunities from climate change and assessing the degree to which they could affect your business, including the financial implications.

A strong risk culture has evolved within Entergy due to a combination of its historic service mission, its continued focus on "safety first", and how the company is organized. As stated by its Chairman and CEO Wayne Leonard, "what is absolutely unacceptable in our business is to find risk that you didn't know that you had. There are not a lot of things we consider hanging offenses; this is one." The ideals of the company are incorporated into the "Code of Entegrity" to which all employees attest on an annual basis. While risk leadership naturally starts at the very top of Entergy, our processes identify and incorporate each employee who touches risk-oriented activities, projects and business units. Each applicable employee is required to read, understand and comply with the Corporate Risk Control Standards. In 2009, 645 applicable employees were asked to participate in the annual risk training and certification program, up from 569 in 2008. As a corporation, Entergy follows a relatively decentralized risk and management structure in response to the decentralized organization of its 5 regulated utilities, its operational service organizations (System Planning, Transmission, Nuclear Operations and Fossil Operations), and its non-utility nuclear power marketing subsidiary. Risk and crisis responsibilities are thus diversified across various shared service departments, often reintegrating these efforts via corporate-wide committees or special projects. Areas of the company responsible for risk and crisis management are as follows: - Internal Audit (Enterprise Risk Management) - Office of the Chief Risk Officer (Market and Credit Risk Management) - Corporate Risk Committees (All major departments represented) - Strategic Steering Committee (Senior management) - Risk Engineering (Plant Risk) - Nuclear Operations (Nuclear Risk) - Business Continuity (Business Operations Disruption Risk) - System Outage Response (Transmission and Generation Risk) - IT Disaster Recovery (IT Crisis Risk). The Entergy Corporate Investment Approval Process (IAP) requires all supply and demand projects of sufficient materiality as defined by the Entergy System Approval Authority Policy to include scenarios reflecting the impacts (costs and/or benefits) of carbon regulation utilizing various viewpoints on future carbon pricing. Entergy has developed a Corporate CO2 Point of View that includes a range of estimates of the future cost of carbon regulation / legislation and also uses outside consultant CO2 forecasts when evaluating these decisions. Capital project evaluations must include the costs of compliance for all options considered across the spectrum of compliance scenarios. Market risks from the various CO2 price forecasts are evaluated and integrated into all of the transactions contemplated by Entergy's northeast nuclear fleet including scenarios relating to just RGGI as well as those scenarios contemplating full Federal regulation. For M&A transactions, Entergy uses its own internal resources and contracts with third parties to obtain their estimates of the costs / benefits from environmental risks and opportunities that are included in the transaction. These include carbon risks and opportunities.

Further Information

See Entergy's Code of Entegrity at http://www.entergy.com/about_entergy/entegrity/

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-IdentificationProcess/entegrity\[1\]](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-IdentificationProcess/entegrity[1])

Page: Regulatory Risks

3.1

Do current and/or anticipated regulatory requirements related to climate change present significant risks to your company?

Yes

Do you want to answer using:

A text box

3.2A

What are the current and/or anticipated significant regulatory risks related to climate change and their associated countries/regions and timescales?

Risk	Region/Country	Timescale in Years	Comment

3.2B

What are the current and/or anticipated significant regulatory risks related to climate change and their associated countries/regions and timescales?

Entergy constantly monitors regulatory initiatives and activities at the federal, state and local level in order to analyze their potential operational and cost implications. Currently, Entergy's regulatory risk is limited to the United States. There are several bills under consideration in the U.S. Congress proposing mandatory limits on greenhouse gas emissions and efforts to implement programs intended to reduce CO2 emissions. Some of the documents Entergy has used to analyze these proposals are attached. Timescale - There are several climate change cap and trade bills being considered by the U.S. Congress. These bills all have declining caps with reduction trajectories that would reduce greenhouse gas emissions by 30% to 83% below 2005 levels by 2050. Entergy believes that the U.S. will enact federal cap and trade legislation as early as 2013. The EPA is in the process of implementing several regulations related to GHG emissions. A mandatory reporting rule is in effect and will require a report in March of 2011. Additionally, an endangerment finding was issued for CO2 that has prompted EPA to begin the process of regulating emissions under the Clean Air Act. A "tailoring rule" was issued by the agency in order to adjust some of the applicability thresholds for regulation under the Clean Air Act and the agency expects to begin including CO2 emission limits in Title V permits as early as 2013. The Regional Greenhouse Gas Initiative (RGGI) in 10 northeastern states (CT, DE, ME, MD, MA, NH, NJ, NY, RI and VT) became effective in 2009 and caps CO2 emissions at a certain level with additional reductions after 2015. Entergy has established an internal climate change working group to monitor legislative developments and help achieve its climate change legislative goals.

3.3

Describe the ways in which the identified risks affect or could affect your business and your value chain.

Entergy aspires to deliver top quartile returns while simultaneously making progress toward specific societal and environmental goals. We don't believe the pursuit of these goals is mutually exclusive. It is for this reason that we don't view addressing climate change as a risk to be avoided but instead a challenge to be engaged. The solutions to climate change will come at a cost but a cost we believe worth bearing. The rewards will be bestowed on future generations and upon those companies that show leadership and innovation in helping make the transition to a clean energy future. We believe the U.S. government should implement a national mandatory program that will make decisive cuts in greenhouse gas emissions in the coming decades. Mandatory greenhouse gas regulations at the federal level will trigger technology innovation throughout the economy and change the way we manage our resources. The most important objectives of any climate policy should be to achieve meaningful reductions in greenhouse gas emissions, and to create certainty over the long term on a CO2 price signal that will attract investments in clean technologies that increase efficiency, reduce energy demand and reduce greenhouse gas emissions. All of this needs to be done in a way that is economically efficient and distributes costs fairly throughout the economy. Entergy also conducts macroeconomic modeling to assess impacts various climate policy scenarios could have on the gross regional product, employment, personal disposable income in the regions we serve and sector impacts to our commercial and industrial customers and suppliers. The timely deployment of clean energy technologies is vitally important to keeping costs manageable. Gross Regional Product (GRP) increases in all scenarios however with carbon policies GRP does not grow as fast as it otherwise would without carbon policies in place. However taking no action exposes the regional economies to

much higher future adaptation costs. Recycling revenue from allowance auctions in the form of household rebates can go a long way towards mitigating the regressive impacts higher energy prices have on low- and middle-income households. Freely giving allowances to generators represents a lost opportunity to help those most impacted by higher prices and for this reason is very costly to the economy. Modeling results inform policy positions and guide future investment strategies that will help the company prosper in a carbon constrained economy. Results show that taking meaningful action will be costly but by being smart about the policy options ultimately enacted, adverse impacts can be minimized.

3.4

Are there financial implications associated with the identified risks?

Yes

3.5

Please describe them.

We believe that a healthy, protected environment is not free but rather requires positive action by individuals, industry and government. We are faced with the classic tragedy of the commons. When no limits are placed on the amount of greenhouse gases pumped into the atmosphere, costs accrue to the most innocent, including future generations. Many of those costs are borne disproportionately by less affluent populations living near coastal regions & the very businesses we serve. While initially we believe our compliance costs could rise, our overall asset value could increase relative to other generating companies that are more heavily reliant on higher carbon content fossil fuels. Looking to the future, our industry needs to start making investments in long-lived assets to meet the forecast increase in the demand for energy. With predictable CO₂ price signals, we see opportunity to invest in resources that will meet growth in demand, help mitigate significant climate threats and will be competitive and profitable. These investments will allow the industry to reduce its reliance on less efficient, more polluting resources and reduce exposure to the CO₂ price signal. Entergy uses integrated planning models to evaluate various potential carbon policies that could be enacted in the U.S. Two cases were selected to define the high end and low end of potential policy options. In addition, various sensitivity cases were analyzed. These cases were compared to a business as usual base case. Changes in emission allowances prices, fuel prices, wholesale energy prices, demand for energy, energy production costs and new capacity additions were evaluated for each of the carbon policies and each of the sensitivity scenarios. A key enabling technology is retrofit CO₂ capture and sequestration (CCS) for existing coal. We believe this technology will become economic with CO₂ prices at or above \$50 per ton. The risk under limited technology scenarios or scenarios where CO₂ prices are relatively low is that no CCS will be deployed and instead there will be an increase in use of natural gas for electric generation. The increased demand will drive up natural gas prices and result in adverse economic impacts. Offsets play a significant role in moderating price; however, ensuring high quality is a challenge. As the stringency of the CO₂ policy increases, electricity prices increase leading to a decrease in energy demand through energy efficiency measures. By 2035 total generation could decrease by 8% to 18% relative to the base case.

3.6

Describe any actions the company has taken or plans to take to manage or adapt to the risks that have been identified, including the cost of those actions.

Climate change is one of the most important strategic issues facing the company today. To address the issue, Entergy has made investments in a low-emission, low-carbon generating fleet and taken voluntary early actions to significantly reduce CO₂ emissions. Because of our actions, we have reduced expected financial exposure to carbon constraints when compared to other U.S. electric generating companies under virtually any of the various carbon cap and trade policies currently being considered in the U.S. Congress. Five key principles should guide us as we as a nation and an industry develop a carbon policy to address the climate change issue: 1) take meaningful action now to slow, stop and reduce GHG emissions; 2) use market forces intelligently to find the most efficient solutions; 3) be realistic about carbon prices. We believe \$50 per ton by 2020 - 2025 is in the right range to encourage the development of clean generating technology; 4) support research and development to develop a technology fix for existing coal plants; and, 5) understand the social effects. We need to build in permanent low-income protection. This year we add to this list of guidelines the need for a "pledge and review" structure so that the U.S. takes the lead, but does not continue - if the rest of the world does not follow - down a path that would lead to economic disadvantage. In 2008, recognizing the significance of the issue to our business and the technical, legislative, legal and regulatory analysis necessary to plan for the impacts, Entergy created a position dedicated to climate change. The Director, Climate Consulting reports directly to the Executive Vice President of Operations and is focused on detailed analysis and reporting to Entergy's senior management on technology issues, legislative analysis, physical risk evaluation, adaptation strategy development and outreach activities. In 2009, Entergy co-sponsored a study with the Massachusetts Institute of

Technology (MIT) to evaluate the issues, opportunities and possible next steps related to retrofitting coal-fired plants for CO2 emissions mitigation. A summary report was published and Entergy executives committed significant time and effort to communicate the observations to a variety of stakeholders. Also in 2009, Entergy's CEO delivered various speeches regarding Entergy's position on climate change. These included at the Clinton School of Public Health conference entitled "Confronting Climate Change", the Bipartisan Policy Center and the White House Clean Energy Economy Forum. The text of the first two speeches is attached. The third speech can be viewed at http://www.entergy.com/about_entergy/speeches/JWL_BPC_SPEECH.aspx.

3.7

Please explain why you do not consider your company to be exposed to significant regulatory risks - current and/or anticipated.

3.8

Please explain why not.

Further Information

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-RegulatoryRisks/usclimatetargets_2009-12-17.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-RegulatoryRisks/usclimatetargets_2009-12-17.pdf)

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[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-RegulatoryRisks/Entergy's Position on Climate Science.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-RegulatoryRisks/Entergy's%20Position%20on%20Climate%20Science.pdf)

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[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-RegulatoryRisks/Entergy's Position on Cap and Trade.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-RegulatoryRisks/Entergy's%20Position%20on%20Cap%20and%20Trade.pdf)

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4.1

Do current and/or anticipated physical impacts of climate change present significant risks to your company?

Yes

Do you want to answer using:

A text box

4.2A

What are the current and/or anticipated significant physical risks, and their associated countries/regions and timescales?

Risk	Region/Country	Timescale in Years	Comment

4.2B

What are the current and/or anticipated significant physical risks, and their associated countries/regions and timescales?

Entergy’s utility business owns assets and serves coastal communities that are at risk from sea level rise, more intense storms and loss of protection offered by coastal wetlands. Future revenues are dependent on a sustainable economic base. We believe the impacts from increased greenhouse gas concentrations in the atmosphere will melt polar ice, raise sea levels, erode coastal lands, increase the intensity of storms, flood regions of the Mississippi delta, reduce crop production, increase storm damage, endanger water supply, increase disease and eliminate certain species of animals. The IPCC Working Group II Report on Adaptation released made a number of policy relevant findings that have important implications for the Gulf Coast region of the U.S. 1) Coasts are already experiencing the adverse consequences of hazards related to climate and sea level rise (very high confidence level). Taking a look at the coastal wetlands of Louisiana you can see the wetland loss trend over time. Through subsidence and erosion the coastal wetlands of Louisiana that are disappearing at the rate of 24 sq miles per year. Over 200 square miles of wetlands were lost during Katrina. These wetlands provide an important line of defense from storm surge. Every 2.7 miles of wetlands between the open Gulf and development will absorb one foot of storm surge. 2) Coasts will be exposed to increasing risks over coming decades due to many compounding climate change factors (very high confidence). With sea level rise of up to 0.6 m by 2100, subsidence of 1.0 m, storm surge from more intense hurricanes of anywhere from 3 & 7 m (not counting wave height), combined with the continued loss of wetlands and barrier islands and marginal levy protection, the coastal region is and will be at risk from the impacts of climate change absent strong adaptation measures. Wetlands and barrier islands form a natural buffer zone that absorbs storm surges and blunts the force of high winds. As the barrier islands and wetlands erode, south Louisiana communities will be exposed to the direct brunt of storms and hurricanes.

4.3

Describe the ways in which the identified risks affect or could affect your business and your value chain.

If wetlands and barrier islands continue to erode as projected, more than 2 million people living in south Louisiana could be subjected to more frequent and severe flooding. The frequency of flooding along Louisiana’s coastal zone has already caused some insurance companies to discontinue coverage and cease issuing policies. If we do not change our present course and rebuild this buffer zone, severe flooding will endanger all long-term investments in south Louisiana. Energy infrastructure, including oil and gas exploration and production, refining and petrochemical production, which is the lifeblood of the region’s economy, is vulnerable to these physical risks. In addition,

wetlands are vitally important to maintaining the nation's 2nd most productive fishery. From time to time Entergy's affiliates operating in coastal areas such as south Louisiana have faced physical risks due to the changing landscape of the coastal marsh areas. For example, some of the company's power distribution or transmission facilities built years ago in dry areas now stand in open water or in marsh areas. Depending on the location of the distribution or transmission routes, this change in landscape may result in pedestrians encountering facilities where previously interaction would not have been an issue. The change in landscape may also cause physical difficulties in accessing these facilities for modification, repair, or maintenance and with the accompanying complications and costs of governmental permitting for wetland impacts and of wetland impact avoidance, minimization, and mitigation measures.

4.4

Are there financial implications associated with the identified risks?

Yes

4.5

Please describe them.

The financial impact to Entergy is tied closely to the overall economic impacts of climate change on regions like the delta (states of Arkansas, Mississippi and Louisiana). Climate change will adversely impact those individuals least able to bear the burden. As a company serving the Gulf Coast, billions of dollars of investment, our customer base, the welfare of our employees, their families and our communities are all in peril. Risk of inaction or an inadequate global response to climate change poses potential long term risks to the economic viability of Entergy's franchise territory and to its asset base both of which are located in an area that is uniquely vulnerable to flooding and hurricanes.

4.6

Describe any actions the company has taken or plans to take to manage or adapt to the risks that have been identified, including the cost of those actions.

1) Plan for Adaptation - Even if global action to stabilize greenhouse gas concentrations is wildly successful, there still will be a need to plan for adaptation impacts. Key to managing these physical risks is to first anticipate the effects climate change will have on the regions we serve and then to identify actions within our sphere of influence that can be taken to mitigate the impacts. Entergy continues to evaluate and plan for adaptation costs. Building on past studies and lessons learned from past hurricanes, Entergy's Business Continuity team is engaging key stakeholders to consider potential business impacts to Entergy assets, operations, and markets. Additionally, Entergy has commissioned an economy-wide adaptation study for the Gulf Coast - the results of the study are expected in late-2010. Risk mitigation strategies for those assets, operations, and markets are being devised and refined in order to reduce overall business impacts. 2) Work with the Community to Restore Coastal Wetlands - We recognize that coastal wetlands are vitally important to the safety, well-being and quality of life in the Gulf Coast region. They provide a natural buffer against a hurricane storm surge that directly impacts the continued sustainability of Entergy's service territory. Entergy participates in regional planning forums to encourage a 'Multiple Lines of Defense' strategy towards building effective protection from the combined impacts of sea level rise, land subsidence, storm surge and the ongoing loss of coastal wetlands and barrier islands. The Lake Pontchartrain Basin Foundation, the Coalition to Restore Coastal Louisiana and the Governor's Commission all recommend a Lines of Defense Strategy that integrates wetland and barrier island restoration with strengthened levees that provide a level of protection for a Category 5 storm. This involves reintroducing sediment from the river to restore coastal wetlands, replanting wetland forests, restoring barrier islands and strengthening land bridges, and building stronger levees that are all critical to protecting the area from storm surge. Entergy is an active sponsor and participant in America's Energy Coast. The America's Energy Coast, an initiative of America's Wetland Foundation, is bringing together leaders of academia, industry, conservation, government and non-profit agencies to create a positive, balanced national dialogue on America's energy future and to ensure that the voices of the region are heard and their contributions are recognized. Entergy chaired the America's Energy Coast Climate Stewardship task force in 2009, presenting Entergy's point of view on climate change and coastal wetlands at its meetings. See attached AEC report, "A Region At Risk". Since 2007, Entergy has partnered with Restore America's Estuaries, contributing \$280,000 to its wetlands preservation efforts. In 2009, Entergy partnered with RAE, the Coalition to Restore Coastal Louisiana and Jefferson Parish to re-establish cypress trees in Bayou Segnette, which is located south of New Orleans. The project will enhance habitat quality for migratory birds and a variety of other coastal species, decrease erosion and positively impact climate change by sequestering carbon dioxide. 3) Advocate for Responsible Policy - Entergy participates in 10 organizations advocating equitable regulation of greenhouse gases in all industries. In 2009, Entergy co-sponsored a study with the Massachusetts Institute of Technology to evaluate the issues, opportunities and possible next steps related to retrofitting coal-fired plants for CO2 emissions mitigation. Following the publication of the MIT report,

Entergy executives committed significant time and effort to communicate the summary observations to a variety of stakeholders. For example, Entergy Chairman and Chief Executive Officer J. Wayne Leonard met with a number of policymakers one-on-one, participated in the Bipartisan Policy Center's Post-Combustion Carbon Capture Forum and spoke at the Clinton School of Public Service as part of the Arkansas Public Service Commission docket to explore the expanded development of sustainable energy resources. The conclusions of the report have been widely accepted and work is under way toward the study's recommended first step, which involves an inventory of the U.S. coal fleet to determine the plants that are eligible for retrofit.

4.7

Please explain why you do not consider your company to be exposed to significant physical risks - current and/or anticipated.

4.8

Please explain why not.

Further Information

Recognizing the significance of the issue to our business and the technical, legislative, legal and regulatory analysis necessary to plan for the impacts, Entergy created a position in 2008 dedicated to climate change. The Director, Climate Consulting reports directly to the Executive Vice President of Operations and is focused on detailed analysis and reporting to Entergy's senior management on technology issues, legislative analysis, physical risk evaluation, adaptation strategy development and outreach activities. In an effort to educate employees on how climate change will impact them and their families, Entergy developed and published a series of internal articles highlighting expected impacts to the company's southern service territory. Four articles titled "How Climate Change Would Affect..." were published for Texas, Louisiana, Arkansas and Mississippi [see attached articles].

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-PhysicalRisks/Physical Risks Report - Phase I.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-PhysicalRisks/Physical%20Risks%20Report%20-%20Phase%20I.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-PhysicalRisks/2009 Entergy Sustainability Report FINAL.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-PhysicalRisks/2009%20Entergy%20Sustainability%20Report%20FINAL.pdf)
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[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-PhysicalRisks/How Climate Change Would Affect.PDF](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-PhysicalRisks/How%20Climate%20Change%20Would%20Affect.PDF)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-PhysicalRisks/110409-AEC-RegionatRisk4.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-PhysicalRisks/110409-AEC-RegionatRisk4.pdf)

5.1

Does climate change present other significant risks - current and/or anticipated - for your company?

Yes

Do you want to answer using:

A text box

5.2A

What are the current and/or anticipated other significant risks, and their associated countries/regions and timescales?

Risk	Region/Country	Timescale in Years	Comment

5.2B

What are the current and/or anticipated other significant risks, and their associated countries/regions and timescales?

There is a risk that climate change, if unchecked, could result in fuel supply interruptions and price spikes that would impact electric production. The timescale is now: this impact has been directly observed during the aftermath of Hurricanes Katrina, Rita, Gustve and Ike. Entergy commissioned a study to evaluate the macroeconomic impact of these events (attached).

5.3

Describe the ways in which the identified risks affect or could affect your business and your value chain.

Nearly 25% of all the oil and gas consumed in America and 80% of the nation's offshore oil and gas travels through Louisiana's wetlands. In addition there are six major refineries along the Mississippi River corridor between New Orleans and Baton Rouge that produce 50% of the U.S. supply of gasoline and 85% to 90% of the gasoline imports to the East Coast Markets. Finally, there are numerous refineries and petrochemical production facilities that provide a significant amount of petroleum-derived and other chemical products to the nation and world along the entire Gulf Coast. As wetlands and barrier islands erode, and weather events become more severe, this important infrastructure will become exposed to open water and increasingly susceptible to storm damage.

5.4

Are there financial implications associated with the identified risks?

Yes

5.5

Please describe them.

Entergy is a consumer of oil and gas to generate electrical power. The costs for these commodities are passed along to customers in rates and fuel adjustment factors as needed. Any shut-in of oil or gas production along the Gulf Coast has the potential to impact commodity prices not only in Entergy's service territory, but for all fuels across the country.

5.6

Describe any actions the company has taken or plans to take to manage or adapt to the other risks that have been identified, including the costs of those actions.

To address the physical risk associated with the potential for stronger storms and hurricanes, Entergy has evaluated the potential societal costs of storm impacts to our transmission and distribution assets and the options/costs associated with hardening of these assets (both studies attached). The impacts due to electric service interruption are manifested as natural gas, crude oil and refined goods disruptions, price volatility and price increases at the regional and national level. To estimate these impacts, an analysis was performed to determine the reductions to Gross Domestic Product (GDP) for the region and nation, impacts to disposable income and other macroeconomic impacts. The results are being used to quantify the costs and the benefits of hardening transmission and distribution assets. Additionally, Entergy is engaged in an analysis to assess the economics of adaptation for the Gulf Coast region of the United States. The goal of the analysis is to determine cost effective adaptation measures that will eliminate or reduce the impacts of sea level rise, storm surge and hurricane wind impacts. The adaptation measures will evaluate on a sector by sector basis for the periods 2030, 2050 and 2100, and will also evaluate alternative climate outcomes. The study is expected to be completed by late-2010. Entergy is an active sponsor and participant in America's Energy Coast. The America's Energy Coast, an initiative of America's Wetland Foundation, is bringing together leaders of academia, industry, conservation, government and non-profit agencies to create a positive, balanced national dialogue on America's energy future and to ensure that the voices of the region are heard and their contributions are recognized. Entergy chaired the America's Energy Coast Climate Stewardship task force in 2009, presenting Entergy's point of view on climate change and coastal wetlands at its meetings. See attached AEC report, "A Region At Risk".

5.7

Explain why you do not consider your company to be exposed to other significant risks - current and/or anticipated.

5.8

Please explain why not.

Further Information

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-Otherrisks/2009 Entergy Sustainability Report FINAL.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-Otherrisks/2009%20Entergy%20Sustainability%20Report%20FINAL.pdf)

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-Otherrisks/110409-AEC-RegionatRisk4.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-Otherrisks/110409-AEC-RegionatRisk4.pdf)

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[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-Otherrisks/ETRStormHardeningFinalReport.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-Otherrisks/ETRStormHardeningFinalReport.pdf)

6.1

Do current and/or anticipated regulatory requirements related to climate change present significant opportunities for your company?

Yes

Do you want to answer using:

A text box

6.2A

What are the current and/or anticipated significant regulatory opportunities and their associated countries/regions and timescales?

Opportunities	Region/Country	Timescale in Years	Comment

6.2B

What are the current and/or anticipated significant regulatory opportunities and their associated countries/regions and timescales?

Entergy is well positioned to prosper in a carbon constrained economy due to investments in a low-emitting generation fleet and significant early action to reduce emissions. Entergy's current focus is in the United States. Entergy is moving on these opportunities now - the timescale has already begun on our response to climate change. Looking forward, Entergy views climate change as a challenge that needs to be engaged. The rewards will be bestowed both on future generations and upon those companies that show leadership and innovation in helping make the transition to a clean energy future.

6.3

Describe the ways in which the identified opportunities affect or could affect your business and your value chain.

The demand for energy is expected to increase by 25% over the next 25 years. Decisions on what generation technologies to invest in to meet the increased demand will need to be made within the next 5-10 years. Decisions made today that consider appropriate price signals for carbon emissions will likely result in the construction of long lived generating assets that will prove to be competitive and profitable in a carbon constrained economy. Demand growth cost can be moderated effectively with new investments in energy efficiency. There is an opportunity for Utility Business Units to work with their regulators to establish policies that will encourage these energy efficiency investments. There are many that are cost effective today even without a CO2 price signal.

6.4

Are there financial implications associated with the identified opportunities?

Yes

6.5

Please describe them.

These investments will reduce customer bills, slow down the need to invest in supply side resources and will be good for the environment. Added value can also be provided to customers through smart metering technologies. Plug-in hybrid and electric vehicles offer an opportunity to use clean, efficient electric generation to displace imported oil helping to achieve reductions in greenhouse gas emissions and energy security. There are potential added benefits that can come from integrating these vehicles to the grid & charging vehicles at night when load is low and plugging them into the grid to supply power during peak periods. Advanced nuclear technologies will not only provide clean, safe, zero emitting electricity, but could also very efficiently produce hydrogen through thermo nuclear water splitting with no waste and no emissions. Both sources of energy will help reduce dependence on imported fossil fuels and provide much needed non-emitting sources of energy that will help reduce greenhouse gas emissions. Once CO2 price signals have been introduced there are opportunities to improve margin by selling non emitting power into competitive markets. The continued use of domestic solid fuels is vitally important for meeting increased demand while reducing dependence on foreign sources of energy. There is an opportunity to use these solid fuels with carbon capture and geologic sequestration to greatly reduce CO2 emissions. Advanced IGCC technologies to gasify these fuels and produce hydrogen while also capturing CO2 for geologic sequestration are being deployed today. These technologies will continue to evolve and the cost and operating risks will be reduced as the industry gains more experience. Along the Gulf Coast from Mississippi to Texas there are significant stranded oil reserves that could be produced if there were an economic supply of CO2 for enhanced oil recovery (EOR). This presents an opportunity to sell the captured CO2 as a commodity and provide a revenue stream to fund the construction of a pipeline infrastructure to move the CO2 to oil bearing formations for EOR and long term geologic sequestration. When the IGCC power plant is co-located at a refinery or petrochemical facility, there is also an opportunity to sell steam, hydrogen and electricity to the facility reducing its operational costs, increasing the overall efficiency of the power plant and significantly reducing overall emissions from the combined facilities. In addition, there is significant capacity for geologic sequestration of CO2 in deep saline aquifers along the gulf coast that will provide an opportunity for the secure long term storage of CO2 and the development of new business entities to structure the deals, manage the risk and provide transportation and storage services. We believe the synergy created by all these opportunities will provide our region a competitive advantage and lead to increased economic development. There is an opportunity to build and utilize transmission to connect green generators with load centers helping customers achieve greenhouse gas reduction goals. Opportunities also exist to reduce line losses with investments in transmission and distribution technology, such as more efficient transformers and advanced meter infrastructure (AMI).

6.6

Describe any actions the company has taken or plans to take to exploit the opportunities that have been identified, including the investment needed to take those actions.

Entergy has actively engaged policymakers at all levels. At the utility commission level, Entergy is engaging with regulators in the various jurisdictions about policies regarding energy efficiency/demand side management, green pricing, renewable energy technology, smart metering and other ways to make Entergy's system more efficient. At the state level, Entergy is engaging with regulators on a myriad of issues, including coastal restoration, adaptation to climate change, and state-level policies regarding energy efficiency and renewable energy. At the federal level, Entergy is a strong advocate for climate change legislation. Our CEO, J. Wayne Leonard, is a thought leader on the subject and actively engages policy makers and other thought leaders on the policy and technology issues surrounding climate change (see 9.1 for additional details).

6.7

Explain why you do not consider your company to be presented with significant opportunities - current and/or anticipated.

6.8

Please explain why not.

Further Information

Entergy has educated and engaged its 15,000+ employees in the climate change issue through an internal communications campaign. This helps Entergy communicate its message externally and achieve our aspirations as our employees become educated advocates. Attached is a compilation of internal articles (headlines and brief description only) on the various aspects and positions of the issue. Entergy has also challenged its employees and customers to take advantage of consumer decisions within their sphere of influence that will reduce their individual carbon footprints. In July 2009, in partnership with the Pew Center on Global Climate Change, Entergy launched its Make an Impact Program. The Make an Impact Web site offers customized tools for employees, customers and communities to better manage their individual impact on the environment, reduce their energy usage and become part of the solution to global climate change. The Make an Impact Web site features 1) A custom-built carbon calculator that offers a personalized CO2 footprint analysis and action plan; 2) Profiles of Entergy employees who are making an environmental difference in their own unique ways; 3) A user-generated list of local environmental resources and 4) A kids section with environmental tips, resources and games. There have been 10 employee & community workshops held throughout Entergy's service territory to help them learn how to use the tools to save money and reduce their carbon footprint. To date over 1,200 have signed up for the Make an Impact Program. They have collectively pledged to implement energy efficiency and behavior change initiatives that will help them avoid 3.3 million pounds of CO2 emissions while saving an estimated \$3.4 million in energy costs. On April 22, 2010, Entergy added to the Make an Impact program the ability for customers to purchase high quality offsets to further reduce their carbon footprint. Entergy is offering to match pledged energy efficiency initiatives with free offsets on a pound for pound basis. Entergy will also match up to the first five tons of offsets the customer purchases. The company is encouraging customers and employees to avoid carbon emissions as much as possible through energy efficiency and then offset the rest. The website is www.FindYourCO2.com.

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-RegulatoryOpportunities/Entergy Early Action 2001 to 2009.doc](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-RegulatoryOpportunities/Entergy%20Early%20Action%202001%20to%202009.doc)
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Page: Physical Opportunities

7.1

Do current and/or anticipated physical impacts of climate change present significant opportunities for your company?

Yes

Do you want to answer using:

A text box

7.2A

What are the current and/or anticipated significant physical opportunities and their associated countries/regions and timescales?

Opportunities	Region/Country	Timescale in Years	Comment

7.2B

What are the current and/or anticipated significant physical opportunities and their associated countries/regions and timescales?

See discussion provided in response to question 4 stressing importance of investing in improved infrastructure to withstand effects of a changed physical environment resulting from climate change. Technology and infrastructure improvements related to carbon capture and sequestration (CCS) also present an opportunity to develop Entergy's service territory, while also providing a part of the solution to climate change.

7.3

Describe the ways in which the identified opportunities affect or could affect your business and your value chain.

Investing in improving infrastructure and working to protect Entergy's customers and assets will result in increased economic development in Entergy's service territory. Entergy is uniquely positioned to participate and lead in the area of CCS because of our location near geologic formations that are able to be used for sequestration. Additionally, Entergy's service territory includes significant opportunities to employ the captured CO₂ for enhanced oil recovery (EOR) and enhanced coal bed methane recovery. This would potentially expand Entergy's customer base, while simultaneously providing a part of the solution to climate change.

7.4

Are there financial implications associated with the identified opportunities?

Yes

7.5

Please describe them.

Protection of the Gulf Coast will result in additional investment, economic activity and additional customers in the Entergy Service Territory. Economic development and investment is a mechanism for Entergy's growth.

7.6

Describe any actions the company has taken or plans to take to exploit the opportunities that have been identified, including the investment needed to take those actions.

Entergy is working with the Gulf Coast Carbon Center [<http://www.beg.utexas.edu/gccc/>] to collaborate on research and development of CO₂ storage options along the Gulf Coast. The effort focuses on characterizing the geology at and around Entergy's coal plants to analyze the potential for CO₂ storage. Entergy participates in regional planning forums to encourage a 'Multiple Lines of Defense' strategy towards building effective protection from the combined impacts of sea level rise, land subsidence, storm surge and the ongoing loss of coastal wetlands and barrier islands. The Lake Pontchartrain Basin Foundation, the Coalition to Restore Coastal Louisiana and the Governor's Commission all recommend a Lines of Defense Strategy that integrates wetland and barrier island restoration with strengthened levees that provide a level of protection for a Category 5 storm. This involves reintroducing sediment from the river to restore coastal wetlands, replanting wetland forests, restoring barrier islands and strengthening land bridges, and building stronger levees that are all

critical to protecting the area from storm surge. Entergy is an active sponsor and participant in America's Energy Coast. The America's Energy Coast, an initiative of America's Wetland Foundation, is bringing together leaders of academia, industry, conservation, government and non-profit agencies to create a positive, balanced national dialogue on America's energy future and to ensure that the voices of the region are heard and their contributions are recognized. Entergy chaired the America's Energy Coast Climate Stewardship task force in 2009, presenting Entergy's point of view on climate change and coastal wetlands at its meetings. See attached AEC report, "A Region At Risk". Since 2007, Entergy has partnered with Restore America's Estuaries, contributing \$280,000 to its wetlands preservation efforts. In 2009, Entergy partnered with RAE, the Coalition to Restore Coastal Louisiana and Jefferson Parish to re-establish cypress trees in Bayou Segnette, which is located south of New Orleans. The project will enhance habitat quality for migratory birds and a variety of other coastal species, decrease erosion and positively impact climate change by sequestering carbon dioxide. Additionally, Entergy has invested over \$27 million dollars between 2001 and 2010 on efficiency upgrades, carbon sequestration projects and carbon offsets in order to reduce our footprint. See response to questions 9.7 and 21.5 for additional detail.

7.7

Explain why you do not consider your company to be presented with significant opportunities - current and/or anticipated.

7.8

Please explain why not.

Further Information

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-PhysicalOpportunities/110409-AEC-RegionatRisk4.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-PhysicalOpportunities/110409-AEC-RegionatRisk4.pdf)
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Page: Other Opportunities

8.1

Does climate change present other significant opportunities - current and/or anticipated - for your company?

Yes

Do you want to answer using:

A text box

8.2A

What are the current and/or anticipated other significant opportunities and their associated countries/regions and timescales?

Opportunities	Region/Country	Timescale in Years	Comment

8.2B

What are the current and/or anticipated other significant opportunities and their associated countries/regions and timescales?

See response to 6.2B identifying opportunities arising from CO2 price signals, and change in demand for energy and energy services. Opportunities to invest in new technologies, both generation and energy efficiency exist and will increase. Advanced metering opportunities are also expanding.

8.3

Describe the ways in which the identified opportunities affect or could affect your business and your value chain.

Some of the regulatory commissions for the jurisdictions in which Entergy operates provide financial incentives to reduce electricity use of our customers. Texas and New Orleans offer some level of financial incentive. We recognize that managing energy use more efficiently is the surest and most effective way to reduce greenhouse gas emissions in the short term. We took steps last year to expand our energy efficiency efforts and increase their visibility. We are working with the regulatory commissions within each of our jurisdictions to develop appropriate regulatory frameworks to encourage demand side management activities. Entergy's view is that there is a tremendous potential opportunity for energy efficiency to address the issue of climate change. In 2009, Entergy continued to pursue cost-effective energy efficiency as a viable alternative for meeting future resource needs. Demand side management was included into our Integrated Resource Planning, our long term resource planning process. There are active DSM programs in Entergy Texas, Inc., Entergy Arkansas, Inc. and Entergy New Orleans that include 25 DSM programs that cover all customer classes (residential, commercial and industrial). A total of \$41.6 million was invested over the period of 2002-2009 to deliver a total of 83.0 MWs and 248,250 MWhs to date of energy savings. In 2009 alone a total of \$13.1 million was invested in DSM programs delivering 32.4 MWs and 82,012 MWhs of annual energy savings.

8.4

Are there financial implications associated with the identified opportunities?

Yes

8.5

Please describe them.

R&D spending for coal retrofit technology and long-term carbon sequestration is essential. Otherwise, our options will be more limited and more expensive. It takes time, and we are already behind. Delaying action now means more drastic emissions reductions over the coming decades, accompanied by exponentially escalating costs. We need a stream of revenues directed to clean coal R&D and deployment now. To this end, Entergy is engaging several technology developers to analyze their technologies and explore potential partnerships for research and/or pilot studies at Entergy plants.

8.6**Describe any actions the company has taken or plans to take to exploit the opportunities that have been identified, including the investment needed to take those actions.**

We are also exploring a number of other actions and opportunities to combat global climate change including: - Expanding our use of safe, emission-free nuclear generation through increased capacity factors, power uprates, license renewals and the construction of new nuclear facilities; - Using newer, more efficient generation technologies such as combined cycle gas turbine plants; - Investing in equipment upgrades, carbon sequestration projects and carbon credits to lower CO2 emissions; - Considering the future cost of carbon when making investment decisions; - Encouraging energy efficiency and smart grid investments; - Seeking opportunities to expand utilization of renewable resources and distributed generation; - Electrification of the transport sector offers opportunities to leverage existing capacity and increase revenues. Entergy continues to invest research dollars with the Electric Power Research Institute (EPRI) in 2009 and 2010. A large portion of our funding is direct funding for CO2 capture, coal fleet of tomorrow and climate policy. Additional investments cover more efficient generation, advanced nuclear generation, transmission systems, waste minimization and other programs targeting pollution reduction. During 2008, Entergy also co-funded an update of the McKinsey GHG Abatement Cost Curve for 21 regions worldwide. The effort focused on identifying technologies to address climate change, their estimated cost and their relative position to other technologies. Entergy expanded its Advanced Meter Infrastructure (AMI) pilot in 2009 by adding an additional 9,000 AMI meters and conducting a residential load management pilot. Entergy also applied for and received a DOE Smart Grid Grant for an AMI / Demand Response pilot for the city of New Orleans. The primary objective of the pilot is to measure the effectiveness of AMI enabled demand response programs targeted to low income customers. A total of 11,500 AMI meters will be installed on low income customer residences along with 8,250 In-home devices to provide near real time energy consumption and bill projections. Low income customers will also have the opportunity to participate in a Peak Time Rebate program and an Air-Conditioning load control program. Entergy's Utility Operations Group has also introduced a comprehensive suite of metrics designed to address specific performance focus areas of the electric utility portion of Entergy's business. The effort, called Back to the Future, focuses on six key areas, some of which contain initiatives and metrics geared specifically toward reducing our CO2 footprint and positively impacting CO2 policy. These initiatives focus on specific efforts such as reducing vehicle miles driven and idle time, reducing SF6 emissions, methane emission reductions, etc. Additionally, the utility has purchased and will continue to purchased hybrid bucket trucks and other alternative fuel vehicles to reduce environmental impact and reduce cost. Entergy is working with the Gulf Coast Carbon Center [<http://www.beg.utexas.edu/gccc/>] to collaborate on research and development of CO2 storage options along the Gulf Coast. The effort focuses on characterizing the geology at and around Entergy's coal plants to analyze the potential for CO2 storage.

8.7**Explain why you do not consider your company to be presented with significant opportunities - current and/or anticipated.**

8.8

Please explain why not.

Further Information

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/IE Article - DataLink Texas 042309.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/IE%20Article%20-%20DataLink%20Texas%20042309.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/2009 Entergy Sustainability Report FINAL.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/2009%20Entergy%20Sustainability%20Report%20FINAL.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/ETI-2010-EE-Report.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/ETI-2010-EE-Report.pdf)

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/IE Article - Datalink Louisiana 021809.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/IE%20Article%20-%20Datalink%20Louisiana%20021809.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/IE Article - ENsight Web Site 100708.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/IE%20Article%20-%20ENsight%20Web%20Site%20100708.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/EAI-2010-EE-Report.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/EAI-2010-EE-Report.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/IE Article - Hybrid Bucket Trucks 0416209.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/IE%20Article%20-%20Hybrid%20Bucket%20Trucks%200416209.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/ENsight Web Site Example.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/RisksOpportunities-OtherOpportunities/ENsight%20Web%20Site%20Example.pdf)

Module: Strategy

Page: Strategy

9.1

Please describe how your overall group business strategy links with actions taken on risks and opportunities (identified in questions 3 to 8), including any emissions reduction targets or achievements, public policy engagement and external communications.

Climate change is one of the most important strategic issues facing the company today, but it also presents opportunities to address infrastructure and efficiency issues (identified and described in questions 3 to 8). To address these issues, Entergy's strategy has focused on making investments in a low-emission, low-carbon generating fleet and taking voluntary early actions to significantly reduce CO2 emissions. The investments are guided by specific Points of View (POV). Entergy's CO2 POV provides the financial quantitative expectation for all purchase and sale decisions. All investment decisions must be reviewed and concurrence provided by the Corporate Risk Committee (CRC) and the Investment Approval Process (IAP). Because of our actions, we have reduced expected financial exposure to carbon constraints when compared to other U.S. electric generating companies under virtually any of the various carbon cap and trade policies currently being considered in the U.S. Congress. Regarding public policy engagement and external communications, our annual reporting and disclosures focus on addressing climate change as a key aspiration of our overall company business strategy. Entergy has described and reported on this aspiration for almost a decade and has made great strides to reduce our emissions. Our CEO, J. Wayne Leonard, is a thought leader on the subject and actively engages policy makers and other thought leaders on the policy and technology issues surrounding climate change. A compilation of internal articles is provided as an attachment that describes his advocacy activities during 2009 and early 2010. Entergy also joined the EPA Climate Leaders program and publicly announced a long-term corporate-wide GHG reduction goal. We worked closely with EPA throughout the goal's development to ensure that the accepted goal is both achievable and aggressive compared to the benchmark for the utility sector. This process included a benchmarking analysis conducted by EPA to compare our goal proposal against the projected GHG performance for our sector. In 2001, Entergy also established an Environmental Initiatives Fund to invest in efficiency improvements, carbon sequestration projects and carbon credits. The fund has deployed over \$27 million into these efforts and focuses on investment in pre-compliance carbon offsets to drive market development, while establishing a portfolio of projects that Entergy can use to offset our own footprint. Entergy views this as a critical risk mitigation strategy and a development opportunity to be engaged.

Further Information

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Strategy-Strategy/Entergy Early Action 2001 to 2009.doc](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Strategy-Strategy/Entergy%20Early%20Action%202001%20to%202009.doc)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Strategy-Strategy/2009 ETR Annual Review FINAL.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Strategy-Strategy/2009%20ETR%20Annual%20Review%20FINAL.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Strategy-Strategy/2009 Entergy Sustainability Report FINAL.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Strategy-Strategy/2009%20Entergy%20Sustainability%20Report%20FINAL.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Strategy-Strategy/Compilation of Internal Articles JWL Activities 2009-10.doc](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Strategy-Strategy/Compilation%20of%20Internal%20Articles%20JWL%20Activities%202009-10.doc)

9.2

Do you have a current emissions reduction target?

Yes

9.3

Please explain why not and forecast how your Scope 1 and Scope 2 emissions will change over the next 5 years. (If you do not have a target)

9.4

Please give details of the target(s) you are developing and when you expect to announce it/them. (If you are in the process of developing a target)

9.5

Please explain if you intend to set a new target. (If you have had a target and the date for completing it fell within your reporting year, please answer questions 9.5 and 9.6)

Please complete the table. (If you have a current emissions reduction target or have a recently completed target)

Target Type	Value of Target	Unit	Base year	Emissions in base year (metric tonnes CO2-e)	Target Year	GHGs and GHG sources to which the target applies	Target met?	Comment
Stabilization target	9650000.00	Metric tonnes CO2 reduction relative to base year	2000	48260000	2010	Scope 1 + 2	Target ongoing	After successfully meeting our first commitment in 2005, we made a second voluntary commitment to stabilize CO2 emissions from 2006 to 2010 at 20 percent below year 2000 levels even as we continue to grow our electric production. We also added controllable purchases to our stabilization target in order to be more representative of our total footprint. To date for this commitment, the cumulative emissions for 2006 to 2009 are 5.9% below target with actual cumulative emissions of 160.1 million short tons CO2 compared to the cumulative stabilization target of 170.2 million short tons CO2. Overall, Entergy is 71.6 million short tons below its 2001 through 2009 stabilization goals.
Stabilization target	0.00	Metric tonnes CO2 reduction relative to base year	2000	48260000	Other: 2005	Scope 1	Yes	Our first commitment was to stabilize direct CO2 emissions from power plants at year 2000 levels from 2001 to 2005. We completed this commitment at 23% below year 2000 levels while increasing power production by 21% from 2001 to 2005. Entergy was cumulatively 62 million short tons below its CO2 stabilization commitment and six percent below 1990 levels.

Further Information

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Strategy-Targets/2009 Entergy Sustainability Report FINAL.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Strategy-Targets/2009%20Entergy%20Sustainability%20Report%20FINAL.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Strategy-Targets/Entergy Early Action 2001 to 2009.doc](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Strategy-Targets/Entergy%20Early%20Action%202001%20to%202009.doc)

¿

Is question 9.7 relevant for your company?

Yes

9.7

Please use the table below to describe your company's actions to reduce its GHG emissions.

1. Actions - please describe	2. Annual energy saving	3. Annual energy savings - number	4. Annual energy saving - units	5. Annual emission reduction in metric tonnes CO2-e	6. Reduction - achieved or anticipated	7. Investment - number	8. Investment - currency	9. Monetary savings - number	10. Monetary savings - currency	11. Monetary savings	12. Timescale of actions & associated investments (if relevant)
Expanding our use of safe, emission-free nuclear generation through high capacity factors, uprates and the preserving the option for construction of new nuclear facilities.	Achieved				Achieved					Not relevant	See 9.9 for results; Our nuclear operations team is focused on delivering safe, secure and reliable nuclear power. Our non-utility nuclear fleet achieved a capability factor for 2009 of 93 percent and its second highest generation output ever. Collectively, Entergy's nuclear fleet also achieved its highest generation output ever. This outstanding performance is evidence of our ongoing commitment to operational excellence in every facet of our nuclear operations. We also announced plans for a major uprate to the Grand Gulf Nuclear Station in Port Gibson, Miss., that will increase production by 13 percent. Going forward, we will continue to seek attractive investment opportunities to expand our clean generation portfolio.
Using newer, more efficient generation technologies such as combined cycle gas turbine plants.	Achieved				Achieved					Not relevant	See 9.9 for results; Entergy has initiated an internal effort to evaluate existing resources for plant betterment or deactivation depending on resource needs. Additionally, several existing sites are being considered and/or permitted for additional, more efficient generation. This approach minimizes the company's physical footprint, while introducing more efficient generation and improving Entergy's overall fuel efficiency. In 2008, we completed the

1. Actions - please describe	2. Annual energy saving	3. Annual energy savings - number	4. Annual energy saving - units	5. Annual emission reduction in metric tonnes CO2-e	6. Reduction - achieved or anticipated	7. Investment - number	8. Investment - currency	9. Monetary savings - number	10. Monetary savings - currency	11. Monetary savings	12. Timescale of actions & associated investments (if relevant)
											acquisitions of the 789-megawatt Ouachita Power Facility in northern Louisiana and the 322-megawatt Calcasieu Generating Facility in southwestern Louisiana. In 2009, Entergy reached agreement to purchase the 580-megawatt Unit 2 of the Acadia Energy Center in South Louisiana. The deal is expected to close in early 2011. All are natural gas-fired generation facilities. We continue to seek opportunities to invest in clean and efficient technologies that can deliver reliable power to our customers at a good value.
Considering the future cost of carbon when making investment decisions. Entergy has developed and refined a CO2 Point of View and includes carbon constrained scenarios when making investment decisions.	Not relevant				Anticipated					Not relevant	See 9.9 for results; The Entergy Corporate Investment Approval Process (IAP) requires all supply and demand projects of sufficient materiality as defined by the Entergy System Approval Authority Policy to include scenarios reflecting the impacts (costs and/or benefits) of carbon regulation utilizing various viewpoints on future carbon pricing. Entergy has developed a Corporate CO2 Point of View that includes a range of estimates of the future cost of carbon regulation / legislation and also uses outside consultant CO2 forecasts when evaluating these decisions. Capital project evaluations must include the costs of compliance for all options considered across the spectrum of compliance scenarios. Market risks from the various CO2 price forecasts are evaluated and integrated into all of the transactions contemplated by Entergy's northeast nuclear fleet including scenarios relating to just RGGI as well as those scenarios contemplating full Federal regulation. For M&A transactions, Entergy uses its own internal resources and contracts with third parties to obtain their estimates of the costs / benefits from environmental risks and opportunities that are included in the transaction.
Deploying	Achieved	820120	kWh		Achieved	13100000	USD(\$)				See 9.9 for results; Entergy offers

1. Actions - please describe	2. Annual energy saving	3. Annual energy savings - number	4. Annual energy saving - units	5. Annual emission reduction in metric tonnes CO2-e	6. Reduction - achieved or anticipated	7. Investment - number	8. Investment - currency	9. Monetary savings - number	10. Monetary savings - currency	11. Monetary savings	12. Timescale of actions & associated investments (if relevant)
energy efficiency/DSM programs throughout Entergy's service territory. Currently there are 25 EE/DSM programs that cover all customer classes (residential, commercial and industrial).		00	(kilowatt-hour)								products and/or services to help customers use electricity more efficiently. Known broadly as demand side management or energy efficiency programs, these efforts focus on efficient use of electricity through a host of outreach programs, low-income assistance initiatives and even grant offerings. A total of \$41.6 million was invested over the period of 2002-2009 to deliver a total of 83.0 MWs and 248,250 MWh to date of energy savings. In 2009 alone a total of \$13.1 million was invested in DSM programs delivering 32.4 MWs and 82,012 MWh of annual energy savings. Promoting and facilitating efficient use of energy among our customers is essential to our sustainable development efforts. Energy efficiency initiatives can reduce greenhouse gas emissions associated with the generation of wasted energy and lower energy bills for customers, which is especially important for our low-income customers. We recognize that energy efficiency technologies currently are the only deployable solution for reducing GHG emissions. Recognizing the powerful benefits associated with energy efficiency, Entergy created an Energy Efficiency Task Force to identify initiatives that can reduce systemwide energy demand by a goal of 300 megawatts.
Seeking opportunities to expand utilization of renewable resources.	Not relevant				Anticipated					Not relevant	See 9.9 for results; In 2009, Entergy's System Planning and Operations group issued a Renewable Energy Request for Information (RFI) and plans to issue a Request for Proposal (RFP) in Q3 of 2010. The purpose of this RFI/RFP is to present interested parties an opportunity to provide Entergy with information regarding renewable resources that are or will be deliverable to the Entergy System. The information gathered through the RFI/RFP process will continue to provide guidance in determining the potential portfolio of cost competitive renewable energy

1. Actions - please describe	2. Annual energy saving	3. Annual energy savings - number	4. Annual energy saving - units	5. Annual emission reduction in metric tonnes CO2-e	6. Reduction - achieved or anticipated	7. Investment - number	8. Investment - currency	9. Monetary savings - number	10. Monetary savings - currency	11. Monetary savings	12. Timescale of actions & associated investments (if relevant)
											resources available to Entergy. Selections will be made in Q3 of 2011.
Solar Schools Initiative in New Orleans	Achieved				Achieved					Not relevant	See 9.9 for results; Working with Nike, Environmental Resources Trust and Global Green, we formed a Solar Reinvestment Fund to help revitalize New Orleans with newly constructed solar-powered schools and homes. This initiative combined with a newly adopted net metering rule will help facilitate investments in distributed renewable energy in New Orleans that will reduce customers' bills and provide direct CO2 reductions on the Entergy system. Four public schools in Orleans parish have been selected for the project. The installation of the solar equipment began in the summer of 2009, with the most recent project completed in May of 2010.
Gaining experience with various renewable technologies and looking for profitable opportunities to add renewable technologies to the generation mix.	Achieved				Achieved					Not relevant	See 9.9 for results; Renewable currently makes up 0.5% of Entergy's generating capacity. Hydro generation in 2009 accounted for 0.2% of the total sources of energy for the Utility. Entergy currently owns 80 MW of wind and sells energy from these plants on the merchant market. Texas has adopted a Renewable Portfolio Standard requiring 10% of all energy sold to be supplied by renewable generating capacity. In 2009, the state retired almost 15 million MWh of renewable energy credits. Entergy Gulf States - Louisiana, in conjunction with the Louisiana Public Service Commission is actively participating as the test utility in a retail pilot, voluntary green tariff (GEAUX GREEN) www.geauxgreen.com . The pilot had an initial term of one year and was extended through 2010 (see attached Louisiana Public Service System Order). The source of the power is from two biomass fired plants in Louisiana, utilizing agricultural residue as the fuel (rice hulls and sugar cane bagasse). The pilot is initially capped at 40,000 MWh and has an adder of \$0.0225/KWh for the green power surcharge.

1. Actions - please describe	2. Annual energy saving	3. Annual energy savings - number	4. Annual energy saving - units	5. Annual emission reduction in metric tonnes CO2-e	6. Reduction - achieved or anticipated	7. Investment - number	8. Investment - currency	9. Monetary savings - number	10. Monetary savings - currency	11. Monetary savings	12. Timescale of actions & associated investments (if relevant)
											<p>Entergy's service territory is centered around the Mississippi River valley which is the best source of biomass resources in the United States. A number of Entergy's power plants are on the Mississippi River where barge delivery of biomass is feasible. In a carbon constrained economy, the opportunity exists to retrofit these plants to use biomass fuel. The Asset Development team has continued its efforts to develop a knowledge base on renewables and carbon capture and sequestration. This includes participation in EPRI research programs and engagement with technology providers and project developers. These activities will provide a base understanding of our low-carbon options if/when policy on climate change is promulgated.</p>
<p>Investing in equipment upgrades, carbon sequestration projects and carbon credits to lower CO2 emissions.</p>	<p>Achieved</p>				<p>Achieved</p>					<p>Not relevant</p>	<p>See 9.9 for results; An Environmental Initiatives Fund has been created to purchase high quality external offsets as an element for achieving the goal. This doesn't represent internal investments to improve efficiency and reduce direct emissions that will be funded through existing operating and capital budgets. \$3 million has been budgeted for 2006 to 2010. During Entergy's first CO2 commitment (2001 - 2005), \$25 million was spent on efficiency improvements, carbon sequestration and offset projects. Entergy has established a portfolio of over 3 million metric tons of offsets (see 21.5 for additional detail).</p>
<p>Entergy's Utility Operations Group has introduced a comprehensive suite of metrics designed to address specific performance focus areas of the electric</p>	<p>Achieved</p>				<p>Achieved</p>					<p>Not relevant</p>	<p>See 9.9 for results; The effort, called Back to the Future, focuses on six key areas, some of which contain initiatives and metrics geared specifically toward reducing our CO2 footprint and positively impacting CO2 policy. These initiatives focus on specific efforts such as reducing vehicle miles driven and idle time, reducing SF6 emissions, methane emission reductions, etc. Additionally, the utility has purchased and will continue to purchase hybrid bucket</p>

1. Actions - please describe	2. Annual energy saving	3. Annual energy savings - number	4. Annual energy saving - units	5. Annual emission reduction in metric tonnes CO2-e	6. Reduction - achieved or anticipated	7. Investment - number	8. Investment - currency	9. Monetary savings - number	10. Monetary savings - currency	11. Monetary savings	12. Timescale of actions & associated investments (if relevant)
utility portion of Entergy's business.											trucks and other alternative fuel vehicles to reduce environmental impact and reduce cost.

9.8

Please explain why not.

9.9

Please provide any other information you consider necessary to describe your emission reduction activities.

All of the items identified and described in 9.7 above have helped Entergy achieve our voluntary greenhouse gas reduction commitment. Attached is a graphic that describes this commitment and displays our progress through the end of 2009. While many of the emission reductions and energy savings can not be individually quantified, each of these items contributed to Entergy's successful achievement of this commitment. Additional details on these initiatives are provided in Entergy's 2009 Sustainability Report and throughout this questionnaire. We are in the fourth year of our second voluntary five-year commitment to stabilize our greenhouse gas emissions. Our cumulative 2006 to 2009 emissions were 160.1 million short tons, which was nearly 6 percent below our cumulative stabilization goal of 170.2 million short tons. Since we made our first stabilization commitment in 2001, we have emitted 364.6 million short tons of CO₂, which is 16.4 percent below our cumulative stabilization goal for the nine-year period. We pursue a comprehensive approach to emissions stabilization, which includes internal projects and a variety of external projects, such as the purchase of innovative emissions offsets. In early 2010, we announced the purchase of 100,000 metric tons of greenhouse gas emissions offsets from Blue Source, LLC, a leading climate change offset portfolio in North America. The offsets are generated by capturing and combusting methane at a wastewater treatment facility in Texas. Methane is a potent greenhouse gas that is 21 times more damaging than CO₂. Multiple carbon registry programs managed the accounting for the offset purchase, which was a first in North America.

9.10

Do you engage with policy makers on possible responses to climate change including taxation, regulation and carbon trading?

Yes

9.11

Please describe.

Our Chairman and CEO, J. Wayne Leonard, is a thought leader on the subject of climate change and actively engages policy makers and other thought leaders on the surrounding policy and technology issues. A compilation of internal articles is provided as an attachment that describes his advocacy activities during 2009 and early 2010.

Further Information

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Strategy-EmissionReductionActivities/Compilation of Internal Articles JWL Activities 2009-10.doc](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Strategy-EmissionReductionActivities/Compilation%20of%20Internal%20Articles%20JWL%20Activities%202009-10.doc)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Strategy-EmissionReductionActivities/Internal CC Articles 2009 - May 2010.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Strategy-EmissionReductionActivities/Internal%20CC%20Articles%202009%20-%20May%202010.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Strategy-EmissionReductionActivities/Entergy Early Action 2001 to 2009.doc](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Strategy-EmissionReductionActivities/Entergy%20Early%20Action%202001%20to%202009.doc)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Strategy-EmissionReductionActivities/2009 Entergy Sustainability Report FINAL.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Strategy-EmissionReductionActivities/2009%20Entergy%20Sustainability%20Report%20FINAL.pdf)

10.1

Please indicate the category that describes the company, entities, or group for which Scope 1 and Scope 2 GHG emissions are reported.

Companies in which an equity share is held

10.2

Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1 and Scope 2 emissions within this boundary which are not included in your disclosure?

Yes

10.3

Please complete the following table.

Source	Scope	Explain why the source is excluded
Non-Controllable Purchased Power	Scope 2	Entergy has inventoried by either direct measurement, calculation or estimation all sources of GHGs on an equity share basis and all power purchases. This total number is provided in this disclosure. However, for the purposes of our voluntary commitment, Entergy does not include non-controllable purchased power.

Further Information

The boundaries of Entergy's GHG Inventory are described in more detail in the attached Inventory Management Plan (IMP). This document also further defines controllable and non-controllable purchased power and how these categories fit within Entergy's overall GHG Inventory.

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Boundary\(1Jan2009-31Dec2009\)/ETR-GreenhouseGasInventoryMgtPlan-Rev_040110.doc](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Boundary(1Jan2009-31Dec2009)/ETR-GreenhouseGasInventoryMgtPlan-Rev_040110.doc)

11.1a

Please give the name of the standard, protocol or methodology you have used to collect activity data and calculate Scope 1 and Scope 2 emissions and/or describe the procedure you have used (in the text box in 11.1b below).

Please select the published methodologies that you use.
The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
US EPA Climate Leaders: Direct Emissions from Stationary Combustion
US EPA Climate Leaders: Indirect Emissions from Purchases/ Sales of Electricity and Steam

11.1b

Please describe the procedure that you use.

Entergy calculates its corporate-wide emissions using the Climate Leaders GHG Inventory Guidance, which defines how Partners working with EPA to inventory and report their GHG emissions. This Guidance is based on the existing GHG Protocol Corporate Accounting and Reporting Standard developed by World Resources Institute and the World Business Council for Sustainable Development. Climate Leaders GHG Inventory Guidance details methodologies for quantifying emissions from Scope 1 and Scope 2 emissions, as well as optional sources. Entergy has elected to include all company owned assets and those under a capital lease, consistent with “equity share” reporting under EPA and WRI reporting protocols. Where partial ownership share of an asset exists, only Entergy’s owned portion of the asset/emissions is included in the inventory. Additionally, Entergy has opted to include in its inventory those emissions associated with the electricity purchased to support grid operations and meet customer demand, primarily due to an increased reliance on purchased power over the last several years. The GHG emissions resulting from the full life cycle of the various fuel sources are not included in the inventory. Other emission sources (including transportation assets, sulfur hexafluoride (SF6), building air conditioning and refrigeration equipment, losses from natural gas distribution system, etc.) that have emissions estimated to be less than 1% of the total inventory are considered de minimus unless they are anticipated to change dramatically and grow above this threshold. Emissions of each GHG from facilities/assets that are de minimus are estimated and included in the inventory for each gas and/or source. The same data are used for future years unless one of the categories of emissions changes significantly. These estimates will be recalculated after major equipment changes, asset acquisition and/or asset divestiture in order to reconfirm de minimus status. Entergy uses a calculation tool that was developed based on the U.S. EPA Climate Leaders methodologies and tools listed below. The tool was customized for Entergy and is based in MS Excel. Entergy includes the following GHGs from various sources in its inventory and management program: Carbon dioxide (CO2), Methane (CH4), Nitrous Oxide (N2O), Sulfur Hexafluoride (SF6), and Hydrofluorocarbons (HFC).

11.2

Please also provide the names of and links to any calculation tools used.

Please select the calculation tools used.
US EPA Climate Leaders: Direct Emissions from Stationary Combustion Sources - Traditional Sources
US EPA Climate Leaders: Indirect Emissions from Purchase of Electricity
US EPA Climate Leaders: Direct Emissions from Mobile Sources
US EPA Climate Leaders: Direct Emissions from Refrigeration and Air Conditioning Equipment
Other: EPA's eGRID (http://www.epa.gov/cleanenergy/energy-resources/egrid/index.html)
Other: EPA's Part 75 Continuous Emissions Monitoring Program (http://www.epa.gov/airmarkets/emissions/index.html)

11.3

Please give the global warming potentials you have applied and their origin.

Gas	Reference	GWP
Carbon dioxide	IPCC Second Assessment Report (SAR - 100 year)	1
Methane	IPCC Second Assessment Report (SAR - 100 year)	21
Nitrous oxide	IPCC Second Assessment Report (SAR - 100 year)	310
HFC-23	IPCC Second Assessment Report (SAR - 100 year)	11700
HFC-125	IPCC Second Assessment Report (SAR - 100 year)	2800
HFC-134a	IPCC Second Assessment Report (SAR - 100 year)	1300
HFC-143a	IPCC Second Assessment Report (SAR - 100 year)	3800
HFC-152a	IPCC Second Assessment Report (SAR - 100 year)	140
HFC-227ea	IPCC Second Assessment Report (SAR - 100 year)	2900
HFC-236fa	IPCC Second Assessment Report (SAR - 100 year)	6300
HFC-43-10mee	IPCC Second Assessment Report (SAR - 100 year)	1300

Gas	Reference	GWP
Perfluoromethane	IPCC Second Assessment Report (SAR - 100 year)	6500
Perfluoroethane	IPCC Second Assessment Report (SAR - 100 year)	9200
Perfluorocyclobutane	IPCC Second Assessment Report (SAR - 100 year)	700
Perfluorohexane	IPCC Second Assessment Report (SAR - 100 year)	7400
Sulphur hexafluoride	IPCC Second Assessment Report (SAR - 100 year)	23900

11.4

Please give the emission factors you have applied and their origin.

Fuel/Material	Emission Factor	Unit	Reference
Gas/Diesel oil	19.38	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Kerosene	21.31	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Jet gasoline	20.88	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Aviation gasoline	18.15	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Distillate fuel oil No 1	22.23	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Distillate fuel oil No 2	22.23	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Distillate fuel oil No 4	22.23	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Residual fuel oil	25.75	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Liquefied petroleum gas (LPG)	12.47	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Propane	12.59	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Ethane	9.08	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Butane	14.69	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Other: Isobutane	14.15	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Other: CNG	0.12	Other: lb CO2 per cubic foot	EPA Climate Leaders GHG Inventory Protocol, October 2004
Liquefied Natural Gas (LNG)	13.01	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Petroleum coke	609.00	Other: kg CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Natural gas	0.12	Other: lb CO2 per cubic foot	EPA Climate Leaders GHG Inventory Protocol, October 2004
Anthracite	5675.30	lb CO2 per short ton	EPA Climate Leaders GHG Inventory Protocol, October 2004
Bituminous coal	5086.36	lb CO2 per short ton	EPA Climate Leaders GHG Inventory Protocol, October 2004
Sub bituminous coal	3656.13	lb CO2 per short ton	EPA Climate Leaders GHG Inventory Protocol, October 2004
Lignite	2991.33	lb CO2 per short ton	EPA Climate Leaders GHG Inventory Protocol, October 2004
Coke oven coke	5528.31	lb CO2 per short ton	EPA Climate Leaders GHG Inventory Protocol, October 2004
Other: Unspecified (elec gen)	4289.96	lb CO2 per short ton	EPA Climate Leaders GHG Inventory Protocol, October 2004
Other: Unspecified (indus)	4744.81	lb CO2 per short ton	EPA Climate Leaders GHG Inventory Protocol, October 2004
Wood or wood waste	3135.20	lb CO2 per short ton	EPA Climate Leaders GHG Inventory Protocol, October 2004

Fuel/Material	Emission Factor	Unit	Reference
Landfill gas	57.33	lb CO2 per 1000 ft3	EPA Climate Leaders GHG Inventory Protocol, October 2004
Biodiesels	20.48	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Other: Ethanol (100)	12.13	lb CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004

Further Information

Entergy's Inventory Management Plan (IMP) is attached and contains additional information regarding the methodology used to develop our GHG Inventory. The IMP is revised each year after our third-party verification audit is conducted (see revision log). The Global Warming Potentials and Emission Factors provided in 11.3 and 11.4 are also contained within Entergy's GHG Inventory. See the appropriate tabs in the GHG Inventory spreadsheet.

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Methodology\(1Jan2009-31Dec2009\)/ETR-GHGInventory-2009Mar2010-Verified.xls](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Methodology(1Jan2009-31Dec2009)/ETR-GHGInventory-2009Mar2010-Verified.xls)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Methodology\(1Jan2009-31Dec2009\)/ETR-GreenhouseGasInventoryMgtPlan-Rev_040110.doc](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Methodology(1Jan2009-31Dec2009)/ETR-GreenhouseGasInventoryMgtPlan-Rev_040110.doc)

Page: Emissions Scope 1 - (1 Jan 2009 - 31 Dec 2009)

12.1

Please give your total gross global Scope 1 GHG emissions in metric tonnes of CO2-e.

30409191

¿

Is question 12.2 relevant to your company?

Yes

12.2

Please break down your total gross global Scope 1 emissions in metric tonnes CO2-e by country/region.

Country	Scope 1 Metric tonnes CO2-e
United States of America	30409191

12.3

Please explain why not.

12.4

Where it will facilitate a better understanding of your business, please also break down your total gross global Scope 1 emissions by business division. (Only data for the current reporting year requested.)

Business Division	Scope 1 Metric tonnes CO2-e
Generation (includes Fossil Operations and Nuclear)	29963583
Transmission and Distribution	436506
Corporate	9102

12.5

Where it will facilitate a better understanding of your business, please also break down your total gross global Scope 1 emissions by facility. (Only data for the current reporting year requested.)

Facilities	Scope 1 Metric tonnes CO2-e
Attala	515055
Baxter Wilson	1301086
Big Cajun 2	1748430
Calcasieu	97884
Cecil Lynch	15570
Gerald Andrus	168421
Hamilton Moses	3496
Harrison County	143320
Harvey Couch	35715
Independence	5284052
Lake Catherine	76406
Lewis Creek	1077304
Little Gypsy	1381993
Michoud	1398411
Ninemile Point	1694920
Ouachita	343591
Perryville	643961
RS Cogen	742124
RS Nelson	3518211
Rex Brown	54751
Sabine	2721990
Sterlington	12388
Waterford	487822
White Bluff	5924394
Willow Glen	216854

¿

Is question 12.6 relevant to your company?

Yes

12.6

Please break down your total gross global Scope 1 emissions by GHG type. (Only data for the current reporting year requested.)

GHG Type	Scope 1 Emissions (Metric tonnes)	Scope 1 Emissions (Metric tonnes CO2-e)
CO2	29990887.00	29990887
CH4	6902.00	144950
N2O	59.00	18164
SF6	10.30	246087
HFCs	3.00	9102

12.7

Please explain why not.

¿

Is question 12.8 relevant to your company?

Yes

12.8

Please give the total amount of fuel in MWh that your organization has consumed during the reporting year.

36880841

12.9

Please explain why not.

¿

Is question 12.10 relevant to your company?

Yes

12.10

Please complete the table by breaking down the total figure by fuel type.

Fuels	MWh
Natural gas	21779066.00
Sub bituminous coal	15101775.00

12.11

Please explain why not.

12.12

Please estimate the level of uncertainty of the total gross global Scope 1 figure that you have supplied in answer to question 12.1 and specify the sources of uncertainty in your data gathering, handling, and calculations.

Uncertainty Range	Main sources of uncertainty	Please expand on the uncertainty in your data
Less than or equal to 2%	Metering/ Measurement ConstraintsData Management	The primary source of data for Scope 1 emissions is the Continuous Emission Monitoring Systems (CEMS) at Entergy's fossil-fired power plants. Also, transposition errors are possible during the development of the GHG inventory, as this process is not automated. These sources of error are minimized by conducting a third-party verification audit of the data (see 20.1). Working with the EPA Climate Leaders program, our company has developed a corporate GHG emissions Inventory Management Plan (IMP). The IMP (attached) includes all institutional, managerial, and technical arrangements made for the collection of data, preparation of the inventory, and implementation of steps to manage the quality of the inventory. An IMP provides a systematic process for ensuring data quality, and identifies areas where investments will likely lead to the greatest improvement in overall inventory quality. The primary objective of an IMP is ensuring the credibility of a company's GHG inventory information.

Further Information

See Entergy's 2009 Statistical Report [Annual Publications link provided below] and 2009 Sustainability Report for additional details. 12.1 and 12.2 equals 'Total Emissions from Direct Sources' in attached 2009 GHG Inventory. 12.4 - Generation emissions equals the 'Stationary Combustion' category in attached 2009 GHG Inventory; Transmission and Distribution emissions equal 'Mobile Combustion', 'Natural Gas Transmission and Distribution' and 'Electricity Transmission and Distribution' in attached 2009 GHG Inventory; Corporate emissions equals 'Cooling' category. 12.5 is sourced from 'Stationary Combustion CEM' tab in attached 2009 GHG Inventory. Entergy is able to provide facility-specific emissions information for its fossil-fired generation units. These emissions account for over 97 percent of Entergy's Scope 1 Direct GHG Emissions. The remaining emissions (<3%) are not conducive to tracking at the facility level (i.e., mobile sources, fugitive emissions, etc.). Entergy facilities not shown did not emit any GHGs during the reporting period. 12.6 calculations are performed on the '2009 Corporate Emissions' tab in attached GHG Inventory. Entergy does not include PFCs in its GHG Inventory. 12.8 & 12.10 are sourced from the Fuels and Generation Accounting Group - no conversion to MWh is necessary since fuels are converted and megawatt hours are actually measured.

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Scope1\(1Jan2009-31Dec2009\)/ETR-GHGInventory-2009Mar2010-Verified.xls](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Scope1(1Jan2009-31Dec2009)/ETR-GHGInventory-2009Mar2010-Verified.xls)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Scope1\(1Jan2009-31Dec2009\)/2009_publications\[1\].aspx](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Scope1(1Jan2009-31Dec2009)/2009_publications[1].aspx)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Scope1\(1Jan2009-31Dec2009\)/2009 Entergy Sustainability Report FINAL.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Scope1(1Jan2009-31Dec2009)/2009%20Entergy%20Sustainability%20Report%20FINAL.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Scope1\(1Jan2009-31Dec2009\)/ETR-GreenhouseGasInventoryMgtPlan-Rev_040110.doc](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Scope1(1Jan2009-31Dec2009)/ETR-GreenhouseGasInventoryMgtPlan-Rev_040110.doc)

13.1

Please give your total gross global Scope 2 GHG emissions in metric tonnes of CO2-e.

12457565

¿

Is question 13.2 relevant to your company?

Yes

13.2

Please break down your total gross global Scope 2 emissions in metric tonnes of CO2-e by country/region.

Country	Metric tonnes CO2-e
United States of America	12457565

13.3

Please explain why not.

13.4

Where it will facilitate a better understanding of your business, please also break down your total gross global Scope 2 emissions by business division. (Only data for the current reporting year requested.)

Business division name	Metric tonnes CO2-e
Utility Operations	12457565

13.5

Where it will facilitate a better understanding of your business, please also break down your total gross global Scope 2 emissions by facility. (Only data for the current reporting year requested.)

Facility name	Metric tonnes CO2-e
Controllable Purchases (defined in 'Further Information' box below)	6166054
Uncontrollable Purchases (defined in the 'Further Information' box below)	6291511

¿

Is question 13.6 relevant to your company?

Yes

13.6

How much electricity, heat, steam, and cooling in MWh has your organization purchased for its own consumption during the reporting year?

Please supply data for these energy types.	MWh
Electricity	5760000

13.7

Please explain why not.

13.8

Please estimate the level of uncertainty of the total gross global Scope 2 figure that you have supplied in answer to question 13.1 and specify the sources of uncertainty in your data gathering, handling, and calculations.

Uncertainty range	Main sources of uncertainty in your data	Please expand on the uncertainty in your data.
More than 2% but less than or equal to 5%	Published Emissions Factors	Entergy calculates emissions for all types of purchased power based on published emission factors. For Controllable Purchased Power, Entergy refers to the specific unit in EPA's eGRID database for the facility-specific emission factor. However, there is some delay built into the eGRID database process, so the emission factor used, while it is the most recent available, is not for the previous calendar year. For Uncontrollable Purchased Power, the regional emission factor for the SERC Lower Mississippi Valley is used.

Further Information

13.1 equals 'Total Emissions from Optional Sources' in attached 2009 GHG Inventory. 13.6 equals 'Line losses and Company Usage' in 2009 Statistical Report (pg 36 - link attached). Due to the large percentage of Entergy's overall GHG Inventory that purchased power represents (29% for 2009) Entergy chooses to include this category with Scope 2 emissions, recognizing that this is an optional, indirect GHG emission source. All indirect emissions result from purchased power to supply the electric utility. This source is not required under EPA or WRI reporting protocols. Entergy has elected to report these emissions because it has decreased its self generation while increasing the amount of power it purchases to support grid operations over the last several years. Including purchased power in this manner presents the most accurate representation of the emission footprint required to support grid operations and meet customer demand. T&D line losses are quantified in Entergy's GHG Inventory; however, because the bulk of power purchased to support grid operations and meet customer demand is generated within Entergy's service territory, this is not subtracted from purchased power since additional generation to make up for these losses is already accounted for in the purchased power emission category. Purchased electricity is sourced by several facilities not owned or controlled by Entergy. Entergy defines two types of purchased power: Controllable and Uncontrollable. Facility specific emission information for controllable purchases (Item 1 in 13.5) can be found on the 'Purchased Power' tab in Entergy's 2009 GHG Inventory [attached]. As described in Entergy's Inventory Management Plan [attached], emissions resulting from Entergy's controllable purchased power megawatt hours are derived using eGRID emission factors for each individual facility. The term "controllable purchases" describes power purchases in which the source of the power is known. These purchases are typically the result of contract purchases with specific plants/operators where the electricity is generated by a known unit. The term "uncontrollable purchases" describes power purchases in which the source of the power is unknown, or a purchase from the grid.

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Scope2\(1Jan2009-31Dec2009\)/Entergy GHG Inventory 2009.March 2010-VERIFIED.xls](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Scope2(1Jan2009-31Dec2009)/Entergy%20GHG%20Inventory%202009.March%202010-VERIFIED.xls)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Scope2\(1Jan2009-31Dec2009\)/2009_publications\[1\].aspx](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Scope2(1Jan2009-31Dec2009)/2009_publications[1].aspx)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Scope2\(1Jan2009-31Dec2009\)/ETR-GreenhouseGasInventoryMgtPlan-Rev_040110.doc](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Scope2(1Jan2009-31Dec2009)/ETR-GreenhouseGasInventoryMgtPlan-Rev_040110.doc)

Page: Emissions Scope 2 Contractual

14.1

Do you consider that the grid average factors used to report Scope 2 emissions in question 13 reflect the contractual arrangements you have with electricity suppliers?

Yes

14.2

You may report a total contractual Scope 2 figure in response to this question. Please provide your total global contractual Scope 2 GHG emissions figure in metric tonnes CO2-e.

14.3

Explain the origin of the alternative figure including information about the emission factors used and the tariffs.

14.4

Has your organization retired any certificates, e.g. Renewable Energy Certificates, associated with zero or low carbon electricity within the reporting year or has this been done on your behalf?

Yes

14.5

Please provide details including the number and type of certificates.

Type of certificate	Number of certificates	Comments
Renewable Energy Certificates	374426	Entergy Texas, Inc. purchases and retires Renewable Energy Certificates (RECs) to meet the State of Texas Renewable Portfolio Standard requirement for retail electric sales. For calendar year 2009, Entergy Texas, Inc. secured and retired 374,426 RECs.

Further Information

In the case of controllable purchases (defined in 'Further Information' box of Question 13), Entergy has contracted with specific plants/operators to supply electrical energy necessary to support grid operations and meet utility customer demand. Entergy tracks these purchases and uses this information each year, along with plant-specific emission factors from EPA's eGRID system, to quantify plant-specific emissions as a result of these purchases. In 2009, Entergy purchased 10,500 MWh of electricity from biomass sources. 3,378 MWh of this was directly marketed to Entergy retail customers through Entergy's Louisiana's Geaux Green program [<http://www.energylouisiana.com/geauxgreen/>].

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Scope2-Contractual/Louisiana_print\[1\].aspx](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Scope2-Contractual/Louisiana_print[1].aspx)

Page: Emissions Scope 3

¿

Is question 15.1 relevant to your company?

No

15.1

Please provide data on sources of Scope 3 emissions that are relevant to your organization.

Sources of Scope 3 emissions	Metric tonnes of CO2-e	Methodology	If you cannot provide a figure for a relevant source of Scope 3 emissions, please describe the emissions.

15.2

Please explain why not.

Due to the carbon intensive nature of the power generation portion of Entergy's inventory, Entergy has opted to focus its efforts on direct power plant emissions and purchased electricity. Scope 3 emissions are expected to be minimal in terms of the company's overall inventory. However, targeted efforts are addressing several Scope 3 emission categories, including the Sustainable Supply Chain Initiative and the "Make an Impact/Double Your Difference" program, both described below.

Sustainable Supply Chain - In 2008, Entergy joined with other investor-owned electric companies to form the Electric Utility Industry Sustainable Supply Chain Alliance, which is working with the Edison Electric Institute to improve the environmental performance of non-fuel suppliers. The Alliance is engaging suppliers to improve impacts on air emissions, water consumption, landfill reduction and energy efficiency. The Alliance published a 2009 Annual Report (attached) highlighting the key accomplishments. [also see <http://www.euissca.org/default.aspx>] **Make an Impact / Double Your Difference Program** - On Earth Day 2009, Entergy announced a new environmental program called "Make an Impact" that aims to raise environmental awareness and mobilize employee and customer action on climate change in their communities. This program, which was created in partnership with the Pew Center on Global Climate Change, provides tools and resources for employees and customers to understand their carbon footprint while also suggesting ways to reduce their impact on the environment. The "Make an Impact" interactive Web site [FindYourCO2.com] offers visitors the opportunity to enter detailed information regarding individual energy consumption into a custom-built carbon calculator. The calculator then uses the results to suggest specific actions that can be taken to live a more sustainable lifestyle. In addition to personal carbon footprint analysis, the "Make an Impact" offers tips, tools and resources on how to reduce energy usage and consists of a comprehensive outreach program of educational workshops to support local action that encourage sustainable change. On Earth Day 2010, Entergy announced further enhancement of this program. The Double Your Difference Program allows individuals to purchase high-quality carbon offsets and double the impact of their purchases through Entergy's dollar-for-dollar match. The company matches

up to the first five purchased offsets, or as much as five tons of CO2 per participant. These efforts will not only help Entergy engage customers, employees and suppliers to reduce our overall footprint, but will allow Entergy to gain insight into the scope and relative size of these emission categories and to begin to establish data sources for emission information. See attached news release and the site at <http://entergy.pewclimate.org/>.

Further Information

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Scope3/EUISSCA 2009 Annual Report _FNL.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Scope3/EUISSCA%202009%20Annual%20Report_FNL.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Scope3/MAI-DYD Article.PDF](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Scope3/MAI-DYD%20Article.PDF)

Page: Emissions 7

16.1

Does the use of your goods and/or services enable GHG emissions to be avoided by a third party?

Yes

16.2

Please provide details including the anticipated timescale over which the emissions are avoided, in which sector of the economy they might help to avoid emissions and their potential to avoid emissions.

Entergy offers products and/or services to help customers use electricity more efficiently. Known broadly as demand side management or energy efficiency programs, these efforts focus on efficient use of electricity through a host of outreach programs, low-income assistance initiatives and even grant offerings. Reducing energy consumption eliminates emissions associated with electric generation, reduces the amount of new generation that needs to be built to meet the growth in demand and has the added benefit of reducing customer's electric bills helping all customers, but is especially important for our low income customers. There are active DSM programs in Entergy Texas, Inc., Entergy Arkansas, Inc. and Entergy New Orleans that include 25 DSM programs and cover all customer classes (residential, commercial and industrial). A total of \$41.6 million was invested over the period of 2002-2009 to deliver a total of 83.0 MWs and 248,250 MWh to date of energy savings. In 2009 alone a total of \$13.1 million was invested in DSM programs delivering 32.4 MWs and 82,012 MWh of annual energy savings. There is also an effort in Entergy Mississippi, Inc. to provide weatherization kits to the first 20,000 customers that complete an online home energy audit. In addition, student weatherization kits and energy efficiency curriculum guides will be provided to five public high schools in a related pilot program. Entergy expanded its Advanced Meter Infrastructure (AMI) pilot in 2009 by adding an additional 9,000 AMI meters and conducting a residential load management pilot. Entergy also applied for and received a DOE Smart Grid Grant for an AMI / Demand Response pilot for the city of New Orleans. The primary objective of the pilot is to measure the effectiveness of AMI enabled demand response programs targeted to low income customers. A total of 11,500 AMI meters will be installed on low income customer residences along with 8,250 In-home devices to provide near real time energy consumption and bill projections. Low income customers will also have the opportunity to participate in a Peak Time Rebate program and an Air-Conditioning load control program. Driving greater awareness of energy efficiency is a stated goal in our five-year environmental strategy. We participated in energy efficiency efforts specifically targeting our low-income customers in order to reduce their energy consumption and the related economic burden. Through the efforts of volunteers and employees, we helped weatherize more than 5400 homes for our low-income customers in 2009. We continued to distribute fans and energy-efficient air conditioning units through our Beat the Heat program. In 2009, we also continued our participation in Energy Star, a government-backed program helping businesses and individuals save money through better energy efficiency. We distributed Energy Star materials to our customers through customer service organizations and our Web site entergy.com. Entergy also promotes an Energy Star Residential New Construction program. Entergy continues to promote energy efficiency over the web through our EnSight and other related energy efficiency sites. In 2009 over 100,000 customers visited our site for energy efficiency information and to perform on line energy audits. See

<http://www.energy.com/ensight/default.aspx> Entergy also launched the Make an Impact and Double Your Difference programs during 2009 and 2010. See response to 15.2 for additional detail of these programs.

¿

Is question 17.1 relevant to your company?

No

17.1

Please provide your total carbon dioxide emissions in metric tonnes CO2 from the combustion of biologically sequestered carbon i.e. carbon dioxide emissions from burning biomass/biofuels.

17.2

Please explain why not.

Entergy does not have equity ownership in any biomass/biofuels generation facilities. However, the company does purchase power generated from these facilities. In 2009, Entergy purchased 10,500 MWh of electricity from biomass sources. 3,378 MWh of this was directly marketed to Entergy retail customers through Entergy Louisiana's Geaux Green program [<http://www.energylouisiana.com/geauxgreen/>]. Entergy Texas, Inc. purchases and retires Renewable Energy Certificates (RECs) to meet the State of Texas Renewable Portfolio Standard requirement for retail electric sales. For calendar year 2009, Entergy Texas, Inc. secured and retired 374,426 RECs. In 2008, Entergy conducted a study of renewable technologies to determine their potential use in Entergy's service territory. The study found that biomass is the most likely renewable resource for Entergy to use in the future. Accordingly, Entergy issued a Request for Information (RFI) [attached] and plans to issue an Request for Proposal (RFP) in Q3 of 2010 for renewable energy generation facilities in our service territory. Given the significant biomass resources in the service territory centered around the Mississippi River valley, Entergy is also actively studying the retrofit of several legacy power plants to use biomass fuel (see response to 9.7 and attached report). Additionally, Entergy has secured over 1.2 million metric tons of CO2e offsets through participation in biological sequestration projects. See response to question 21 for additional details.

Further Information

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Other1/ETI-2010-EE-Report.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Other1/ETI-2010-EE-Report.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Other1/IE Article - Datalink Louisiana 021809.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Other1/IE%20Article%20-%20Datalink%20Louisiana%20021809.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Other1/IE Article - DataLink Texas 042309.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Other1/IE%20Article%20-%20DataLink%20Texas%20042309.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Other1/MAI-DYD Article.PDF](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Other1/MAI-DYD%20Article.PDF)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Other1/AMI Articles.PDF](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Other1/AMI%20Articles.PDF)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Other1/default\[1\].aspx](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Other1/default[1].aspx)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Other1/2009 Renewable RFI Main Document .doc](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Other1/2009%20Renewable%20RFI%20Main%20Document.doc)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Other1/2009 Entergy Sustainability Report FINAL.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Other1/2009%20Entergy%20Sustainability%20Report%20FINAL.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Other1/2008 SPO Renewable Generation](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Other1/2008%20SPO%20Renewable%20Generation)

Page: Emissions 8

18.1a

Please describe a financial intensity measurement for the reporting year for your gross combined Scope 1 and Scope 2 emissions.

If you do not consider a financial intensity measurement to be relevant to your company, select "Not relevant" in column 5 and explain why in column 6.

Figure for Scope 1 and Scope 2 emissions	GHG units	Multiple of currency unit	Currency unit	Financial intensity metrics	Please explain if not relevant. Alternatively provide any contextual details that you consider relevant to understand the units or figures you have provided.
3989.10	Metric tonnes CO2-e	Million	USD(\$)	Revenue	The best financial emissions intensity measurement for Entergy is metric tons of CO2 of Scope 1 and Scope 2 emissions per U.S. \$millions in revenue. Entergy's Scope 1 emissions (as described and reported in 12.1) equaled 30,409,191 metric tons, while Scope 2 emissions (as described and reported in 13.1) equaled 12,457,565 metric tons. Entergy's 2009 operating revenues equaled U.S. \$10,745,650,000.

18.1b

Please describe an activity-related intensity measurement for the reporting year for your gross combined Scope 1 and Scope 2 emissions.

Oil and gas sector companies are also asked to report activity-related intensity metrics in answer to table O&G1.3.

If you do not consider an activity-related intensity measurement to be relevant to your company, select "Not relevant" in column 3 and explain why in column 4.

Figure for Scope 1 and Scope 2 emissions	GHG units	Activity-related metrics	Please explain if not relevant. Alternatively provide any contextual details that you consider relevant to understand the units or figures you have provided.
0.30	Metric tonnes CO2-e	Other: MWh - megawatt hour of generation	The best activity emissions intensity measurement for Entergy is metric tons of CO2 of Scope 1 and Scope 2 emissions per megawatt hour of electric generation. Entergy's Scope 1 emissions (as described and reported in 12.1) equaled 30,409,191 metric tons, while Scope 2 emissions (as described and reported in 13.1) equaled 12,457,565 metric tons. Entergy's electric generation totaled 119,933,000 megawatt hours. Entergy's purchased power from all sources totaled 28,674,000 megawatt hours (excludes intrasystem billing).

19.1

Do the absolute emissions (Scope 1 and Scope 2 combined) for the reporting year vary significantly compared to the previous year?

Yes

19.2**Please explain why they have varied and why the variation is significant.**

Compared to 2008, Entergy's 2009 Scope 1 and Scope 2 emissions decreased by over 12%. This variance is due to variations in load and our migration toward clean energy generation, both self generation and power purchases. Entergy's emissions have varied significantly since 2000 as a result of our early action to stabilize our GHG emissions. After successfully meeting our first commitment in 2005, we made a second voluntary commitment to stabilize CO2 emissions from 2006 to 2010 at 20 percent below year 2000 levels even as we continue to grow our electric production. We also added controllable purchases to our stabilization target in order to be more representative of our total footprint. Our cumulative CO2 emissions for the four years of 2006 to 2009 were 160.1 million metric tons, about 6 percent better than our stabilization goal of 170.2 million metric tons for the same four-year period. Additionally, since the inception of our first CO2 goal, Entergy's cumulative emissions are 16.4% below our cumulative 2001 to 2009 stabilization budget. Entergy accomplished this by taking early action to manage regulatory risk to reduce CO2 emissions. The company has: (1) Invested in efficiency improvements; (2) Increased production from non-emitting nuclear units through capacity up-rates and increased capacity factors; and (3) Increased production and purchases from more efficient, low emitting combined cycle gas turbines and combined heat and power resources.

20.1A**Please complete the following table indicating the percentage of reported emissions that have been verified/assured and attach the relevant statement.**

Scope 1 (Q12.1)	Scope 2 (Q13.1)	Scope 3 (Q15.1)
More than 80% but less than or equal to 100%	More than 80% but less than or equal to 100%	

20.1B**I have attached a external verification statement that covers the following scopes:**

Scope 1
Scope 2

Further Information

Attached is Entergy's 2009 GHG Inventory and the third-party verification audit report. The third-party verification audit of our GHG Inventory was conducted by ICF International. Entergy is a member of the American Carbon Registry; our GHG emissions along with our verification report are also posted on the ACR website. See <http://www.americancarbonregistry.org/carbon-registry/accounts> for additional information. In addition to a third-party verification audit, EPA's Climate Leaders program continually reviews our emissions inventory data as well as our progress in reaching our GHG emissions goal. In addition, Entergy is receiving technical assistance from EPA in determining organizational and operational boundaries, identifying the most appropriate emission factors for the utility industry, and in documenting these decisions in an Inventory Management Plan (IMP) that will ensure consistency and transparency in the inventory over time. EPA performs desktop reviews of both the inventory data and IMP to ensure they meet EPA's quality standards, and also conducts a risk-based on-site IMP review to ensure that the Management Plan is being implemented at the facility level. These reviews provide assurance to EPA that a well-implemented GHG data collection and management system is in place to track progress towards our GHG reduction goal and result in EPA recognition for corporate leadership on the climate change issue. The GHG emissions data submitted under Climate Leaders is reviewed against the Climate Leaders GHG Inventory Guidance, which is based on the Corporate Accounting and Reporting Standard developed by the World Resources Institute (WRI) and the World Business Council for Sustainable Development (WBCSD).

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-Other2/Entergy - 2009 GHG verification report -](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-Other2/Entergy%20-%202009%20GHG%20verification%20report%20-%2020100928.pdf)

Page: Emissions 9 Trading

21.1

Do you participate in any emission trading schemes?

No, we don't participate nor do we currently anticipate participating in any emissions trading scheme within the next two years.

21.2

Please complete the following table for each of the emission trading schemes in which you participate.

Scheme name	Period for which data is supplied.	Allowances allocated	Allowances purchased	Verified emissions - number	Verified emissions - units	Details of ownership
	Mon 01 Jan 0001 - Mon 01 Jan 0001					

21.3

What is your strategy for complying with the schemes in which you participate or anticipate participating?

21.4

Has your company originated any project-based carbon credits or purchased any within the reporting period?

Yes

21.5

Please complete the following table.

Credit origination or credit purchase?	Project identification	URL link to project documentation	Verified to which standard?	Number of credits (metric tonnes of CO2-e)	Credits retired?	Purpose e.g. compliance
Credit Purchase	Tyson Wastewater Treatment Facilities (Amarillo, TX) - The Methane Capture, Flare and Utilization at Tyson Wastewater Treatment Facilities Project was developed by Tyson Foods, Inc at Meat Processing Facilities within the central United States. The four sites are located in Joslin - Illinois, Amarillo - Texas, Storm Lake - Iowa, Lexington - Nebraska with adjoining wastewater treatment facilities. All locations contain storage lagoons for the primary treatment of wastewater through the anaerobic decomposition process.	Press Release - http://www.americancarbonregistry.org/membership/ETR-BlueSource_Project-2010_NR.pdf Project Info Posted to ACR - http://www.americancarbonregistry.org/carbon-registry/projects/tyson-wastewater-treatment-amarillo-plant http://www.americancarbonregistry.org/carbon-registry/pdfs/ENTE-TRAD-2009-08-04.pdf	VCS	100000	No	Voluntary Offsetting

Further Information

In addition to the projects listed above from CY 2009, Entergy has secured the following offsets over the last decade. The type of unit, volume, vintage and verification standard are shown. 1) Anadarko EOR Geologic Sequestration, CO2, 150,000 MT CO2e, 2005 vintage, Environmental Resources Trust (ERT)/American Carbon Registry (ACR) 2) Nike, SF6, 100,000 MT CO2e, 2005 vintage, ERT/ACR 3) International Paper, CO2, 300,000 MT CO2e, 2003, 2004 vintage, ERT/ACR 4) Merit Energy, CO2, 400,000 MT CO2e, 2004 vintage, ERT/ACR 5) Tensas Forestation, CO2, 760,000 MT CO2e, 2004 -2074 vintage, ERT/ACR 6) Blue Source EOR Geologic, CO2, 1,100,000 MT CO2e, 2004, 2005 vintage, ERT/ACR 7) Dupont N2O Trade, N2O, 125,000 MT CO2e, 2001 vintage, ERT/ACR 8) Conservation Fund Forest Sequestration, CO2, 224,509 MT CO2e, 2002 -2072, ERT/ACR 9) Winrock Sequestration, CO2, 159,091 MT CO2e, 2003 - 2073 vintage, ERT/ACR 10) Toromont Landfill Methane, CH4, 50,000 MT CO2e, 2001 vintage, ERT/ACR 11) Pacific Northwest Direct Seed Lease, CO2, 30,727 MT CO2e, 2003 - 2013 vintage, ERT/ACR 12) Trans Alta Coal Mine Methane, CH4, 400,000 MT CO2e, 2002 - 2005 vintage, ERT/ACR 13) Environmental Resources Trust, CO2, 50,000 MT CO2e, 2002 vintage, ERT/ACR 14) UK Shell Trade, CO2, 5,000 MT CO2e, 2002 vintage, ERT/ACR 15) Danish Elsam Trade, CO2, 10,000 MT CO2e, 2001 vintage, ERT/ACR Total - 3,864,327 MT CO2e, 2001-2073 vintage See American Carbon Registry website [<http://www.americancarbonregistry.org/carbon-registry/accounts>] and Entergy's 2009 Sustainability Report for additional details.

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-EmissionsTrading/accounts\[1\]](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-EmissionsTrading/accounts[1])
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-EmissionsTrading/2009 Entergy Sustainability Report FINAL.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-EmissionsTrading/2009%20Entergy%20Sustainability%20Report%20FINAL.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Emissions-EmissionsTrading/ETR-BlueSource_Project-2010_NR.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Emissions-EmissionsTrading/ETR-BlueSource_Project-2010_NR.pdf)

22.1

Have you published information about your company's response to climate change/GHG emissions in other places than in your CDP response?

Yes

22.2

In your Annual Reports or other mainstream filing? (If so, please attach your latest publication(s).)

Yes

22.3

Through voluntary communications such as CSR reports? (If so, please attach your latest publication(s).)

Yes

Further Information

The following attachments are provided, along with specific page numbers where the information can be found. The last two attachments are compilations of internal articles regarding the climate change advocacy activities of Entergy's CEO and other employee communiques during 2009 and early 2010. We have instituted a comprehensive internal communication program to educate our more than 15,000 employees on our approach to climate change, and to involve them in a range of GHG reduction activities that will contribute to meeting our goal. - 2009 SEC Form 10-K [page 226 - 227] - 2009 Entergy Annual Review, "Not by Chance" [page 5; 8-9; 23-25] - 2009 Entergy Sustainability Report, "Not By Chance - Applying Our Strengths: Environmental, Social and Economic Performance" [pages 2-3; 5-7; 12-17; 25; 29] - Compilation of Internal Articles JWL Activities 2009-10 [entire doc] - Compilation of Internal Climate Change Articles 2009-10 [entire doc] - Entergy's "How Climate Change Would Affect..." communication effort that aimed to inform employees of the expected impacts of climate change on their states. The effort focused on impacts to our southern service territory, including Texas, Arkansas, Mississippi and Louisiana [entire doc]. Climate change has been a central theme of our external reporting for several years - also attached is a link to our Investor Relations Publication page where past reports can be viewed. Additionally, Our participation in EPA Climate Leaders and our GHG reduction targets are published on the Climate Leaders website at <http://www.epa.gov/climateleaders/partners/index.html>. In addition, we post information on our corporate climate strategy, our GHG reductions prior to joining Climate Leaders, and our progress towards meeting our GHG reduction goal, on our company's individual Climate Leaders webpage, at <http://www.epa.gov/climateleaders/partners/partners/entergy.html>.

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Communications/2009 Entergy Sustainability Report FINAL.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Communications/2009%20Entergy%20Sustainability%20Report%20FINAL.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Communications/How Climate Change Would Affect.PDF](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Communications/How%20Climate%20Change%20Would%20Affect.PDF)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Communications/2009 ETR Annual Review FINAL.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Communications/2009%20ETR%20Annual%20Review%20FINAL.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Communications/Compilation of Internal Articles JWL Activities 2009-10.doc](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Communications/Compilation%20of%20Internal%20Articles%20JWL%20Activities%202009-10.doc)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Communications/Internal CC Articles 2009 - May 2010.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Communications/Internal%20CC%20Articles%202009%20-%20May%202010.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Communications/2009_Form_10K.pdf](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Communications/2009_Form_10K.pdf)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Communications/publications\[1\].cfm](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Communications/publications[1].cfm)

Reporting Periods

Please enter the dates for the periods for which you will be providing data. Historic data for the year ending in 2002 to the year ending in 2009 and forecasted data up to and including the year ending in 2014 is requested.

Year ending	Date range
2009	Thu 01 Jan 2009 - Thu 31 Dec 2009

Further Information

Attachments

Please give total figures for all the countries for which you will be providing figures.

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO2-e)	Emission intensity (metric tonnes CO2-e/MWh)
2002	27578	119972	40065480	0.3300
2003	26022	109976	33363908	0.3000
2004	26940	112363	33430494	0.3000
2005	27692	106958	32262432	0.3000
2006	27530	109694	28357300	0.2600
2007	28727	117859	31730166	0.2700
2008	28429	120101	32349135	0.2700
2009	27992	119933	29578573	0.2500
2010				
2011				
2012				
2013				
2014				

Further Information

See Entergy's 2009 Statistical Report and Investor Guide for additional detail[http://www.entergy.com/investor_relations/2009_publications.aspx]. Nameplate capacity equals owned & leased capability from Statistical Report [p7]. Production number shown equals Utility Total Net Generation (78,952 GWh) [p36] plus Non-Utility Nuclear GWh billed (40,981 GWh) [p53]. Absolute emissions equal the emissions from power generation units only (see 2009 GHG Inventory).

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Electrical-Globaltotals/2009_publications\[1\].aspx](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Electrical-Globaltotals/2009_publications[1].aspx)
[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Electrical-Globaltotals/ETR-GHGInventory-2009Mar2010-Verified.xls](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Electrical-Globaltotals/ETR-GHGInventory-2009Mar2010-Verified.xls)

Page: 2010-Investor-Electrical 3 - EnergyFuelSelection - United States of America

Please select the energy sources/fuels that you use to generate electricity in this country.

Coal - Hard
Nuclear
Hydro
Wind
Other fuel source - combustible 1

Please enter figures for coal - hard.

Year ending	Capacity (MW)	Production (GWh)	Absolute Emissions (metric tonnes CO ₂ -e)	Emission Intensity (metric tonnes CO ₂ -e/MWh)
2002	2040	13743	15792348	1.1500
2003	2224	14057	16173934	1.1500
2004	2224	15359	16248910	1.0600
2005	2414	13502	15086182	1.1200
2006	2426	14383	15800044	1.1000
2007	2422	15035	15951152	1.0600
2008	2440	15648	16342563	1.0400
2009	2441	15101	15688576	1.0400
2010				
2011				
2012				
2013				
2014				

Combustible 1 (Gas-Oil-CCGT-CHP)

If you generate electricity from a fuel source which is combustible and has not been listed, please give the name of that fuel source.

Gas-Oil-CCGT-CHP

Please complete this table for the fuel you have just given.

Year ending	Capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO2-e)	Emissions intensity (metric tonnes CO2-e/MWh)
2002	15636	35195	24273132	0.6900
2003	14650	22797	17189974	0.7500
2004	15473	22619	17181584	0.7600
2005	15808	21388	17176249	0.8000
2006	15640	18703	12557257	0.6700
2007	16051	24131	15779014	0.6500
2008	15723	24552	16006572	0.6500
2009	15277	21767	13889966	0.6400
2010				
2011				
2012				
2013				
2014				

Please enter figures for nuclear.

Year ending	Capacity (MW)	Production (GWh)
2002	8952	70870
2003	8998	73007
2004	9093	74234
2005	9320	71971
2006	9314	76534
2007	10104	78558
2008	10116	79704
2009	10124	82832
2010		
2011		
2012		
2013		
2014		

Please enter figures for hydro.

Year ending	Capacity (MW)	Production (GWh)
2002	70	164
2003	70	115
2004	70	151
2005	70	97
2006	70	74
2007	70	135
2008	70	197
2009	70	233
2010		
2011		
2012		
2013		

Year ending	Capacity (MW)	Production (GWh)
2014		

Please enter figures for wind.

Year ending	Capacity (MW)	Production (GWh)
2002		
2003	80	189
2004	80	203
2005	80	215
2006	80	221
2007	80	221
2008	80	234
2009	80	189
2010		
2011		
2012		
2013		
2014		

Please enter total figures for this country.

Year ending	Capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes in CO2-e)	Emission intensity (metric tonnes CO2-e/MWh)
2002	26778	119972	40065480	0.3300
2003	26022	109976	33363908	0.3000
2004	26940	112363	33430494	0.3000
2005	27692	106958	32262432	0.3000
2006	27530	109694	28357300	0.2600
2007	28727	117859	31730166	0.2700
2008	28420	120101	32349135	0.2700
2009	27992	119933	29578573	0.2500
2010				
2011				
2012				
2013				
2014				

Further Information

See Entergy's 2009 Statistical Report and Investor Guide for additional detail[http://www.entergy.com/investor_relations/2009_publications.aspx].

Attachments

[https://www.cdproject.net/Sites/2010/53/5653/Investor CDP 2010/Shared Documents/Attachments/InvestorCDP2010/Electrical-Energyfuelselection-UnitedStatesofAmerica/2009_publications\[2\].aspx](https://www.cdproject.net/Sites/2010/53/5653/Investor%20CDP%202010/Shared%20Documents/Attachments/InvestorCDP2010/Electrical-Energyfuelselection-UnitedStatesofAmerica/2009_publications[2].aspx)

Page: 2010-Investor-Electrical 4 EUETS

EU5.0

Please give your historic and forecasted position on emissions, emission allowances (EUAs) and Certified Emission Reductions (CERs) and Emission Reduction Units (ERUs) in metric tonnes CO2 by country.

Please select the European Union 27 countries for which you will be reporting data.

Further Information

Energy is not a participant in these emissions trading schemes.

Attachments

Page: Electrical 5 NonEUEmissionTradingSchemes

EU6.0

Emission allowances for companies that have significant operations outside the EU and where installations are covered by other emissions trading regimes.

None