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 $11 billion and approximately 15,000 employees.

See attached the 2010 Annual Report, SEC Form 10-K and Proxy Statements for more general information regarding Entergy. Also attached is Entergy's 2010 Sustainability Report and an article regarding recognition of Entergy as a corporate citizen.

0.2

Reporting Year
Please state the start and end date of the year for which you are reporting data.
The current reporting year is the latest/most recent 12-month period for which data is reported. Enter the dates of this year first.
We request data for more than one reporting period for some emission accounting questions. Please provide data for the three years prior to the current reporting year if you have not provided this information before, or if this is the first time you have answered a CDP information request. (This does not apply if you have been offered and selected the option of answering the shorter questionnaire). If you are going to provide additional years of data, please give the dates of those reporting periods here. Work backwards from the most recent reporting year.
Please enter dates in following format: day(DD)/month(MM)/year(YYYY) (i.e. 31/01/2001).

Enter Periods that will be disclosed
Fri 01 Jan 2010 - Fri 31 Dec 2010

0.3

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

0.4

Currency selection

Please select the currency in which you would like to submit your response. All financial information contained in the response should be in this currency.

USD($)

0.5

Please select if you wish to complete a shorter information request

0.6

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 (according to the Global Industry Classification Standard (GICS)), the corresponding sector modules will be marked as default options to your information request. If you want to query your classification, please email respond@cdproject.net.
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 https://www.cdproject.net/en-US/Programmes/Pages/More-questionnaires.aspx.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/Introduction/2010 Entergy Sustainability Report FINAL.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/Introduction/2010 Entergy Form 10K.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/Introduction/Entergy Corporate Citizen Article.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/Introduction/2010_Annual_Report.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/Introduction/2010_proxy.pdf

Module: Management [Investor]

Page: 1. Governance

1.1

Where is the highest level of direct responsibility for climate change within your company?

Individual/Sub-set of the Board or other committee appointed by the Board

1.1a

Please identify the position of the individual or name of the committee with this responsibility

J. Wayne Leonard, Chairman and CEO of Entergy, is directly engaged in climate change issues at the Board of Directors level. Mr. Leonard takes direct responsibility in managing Entergy's climate position through direct and personal advocacy at the federal and state level, initiating communication strategies to advocate Entergy's position with political leaders, federal/state/local regulators and is recognized as an industry leader on the topic. See attached document summarizing Mr. Leonard's direct involvement in these activities over the past few years.

Mr. Leonard recognizes climate change as the defining issue of our generation. He has set environmental aspirations for Entergy to become one of 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.

In the 2010 Annual Report to Shareholders, climate change and Entergy's progress toward meeting its aspirations continued as one of the themes, along with safety, operational, financial and social matters in Leonard's "Letter to Stakeholders" and in the "Progress Toward Our Aspirations" sections. Additionally, in the sections titled "Pursuing Sustainable Success" and "Advocating for Environmental Risk Management," the company expresses its point of view on climate change [see 2010 Annual Report, pgs 6-8, 14 and 25-27].

Mr. Leonard was directly engaged in the 2010 study funded by Entergy and America's Wetland Foundation regarding Gulf Coast Adaptation to climate change and other environmental factors - see article at http://www.entergy.com/News_Room/newsrelease.aspx?NR_ID=1904. Mr. Leonard delivered a key address at the DELTAS2010 Conference during which the adaptation study was released and discussed at great length. More information on the study is attached.

In addition to Mr. Leonard's direct engagement and responsibility, the Audit Committee of the Board of Directors annually assesses risks and controls associated with environmental issues including climate change. In 2008, Entergy formed a Climate Change Initiative & Working Group (see attached org chart) to develop, shape and refine Entergy's climate change position. The Safety & Environment Executive Forum approves Entergy's climate change strategy and monitors its execution. The Forum meets quarterly.

Gary Serio, Vice President, Safety & Environment manages the company’s overall climate strategy implementation and GHG emission tracking/reporting.

1.2

Do you provide incentives for the management of climate change issues, including the attainment of targets?

Yes

1.2a

Please complete the table

Who is entitled to benefit from these incentives?	The type of incentives	Incentivised performance indicator
Corporate executive team	Monetary reward	Climate change position advocacy; adaptation position advocacy;

Who is entitled to benefit from these incentives?	The type of incentives	Incentivised performance indicator
		communicating climate change issues
Environment/sustainability managers	Monetary reward	Climate change position advocacy; adaptation position advocacy; communicating climate change issues
All employees	Recognition (non-monetary)	Climate change position advocacy; adaptation position advocacy; communicating climate change issues

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. Refer to Page 7 of Entergy's Annual Report (attached) to view its aspirations and key measures. Additionally, refer to Entergy's sustainability report and the chart attached to this question to view information regarding our greenhouse gas stabilization target and our performance against this target through 2010.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/1.Governance/CCI Organization Chart.ppt
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/1.Governance/2010 Entergy Sustainability Report FINAL.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/1.Governance/2010_Annual_Report.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/1.Governance/Entergy's GHG Commitment Progress 2001 - 2010.doc
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/1.Governance/2010 Entergy-AWF Adaptation Study Executive Report.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/1.Governance/SIDING_WITH_LA_KR.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/1.Governance/JWL_activities_2010-11.doc

Page: 2. Strategy

2.1

Please select the option that best describes your risk management procedures with regard to climate change risks and opportunities

Integrated into multi-disciplinary company wide risk management processes

2.1a

Please provide further details (see guidance)

Entergy's Enterprise Risk Management process and Investment Approval Process are comprehensive in scope and include analysis of many types of risk including (but not limited to) market, credit, operations, safety, environmental, regulatory, customer experience/behavior, reputation, legal, weather and climate. Entergy maintains a strong risk culture 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 J. 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."

Risks and opportunities related to climate change are assessed at the company level through a structured ERM process for ongoing operations and, for investment opportunities, through a comprehensive analysis during its IAP. At the asset level, risks are analyzed and monitored locally by facility/asset managers with assistance from corporate support groups as needed. These processes are further summarized below.

Enterprise Risk Management (ERM) - Company Level
Internal Audit and Risk Management facilitate a process through which all of Entergy's businesses and support groups analyze risks for their particular area, including climate change (see complete list above). The risks are fully described, evaluated and scored based on their probability of occurrence and severity of outcome. Based on this evaluation, controls are established for priority items and, if necessary, testing conducted on a periodic basis (at least annually) to ensure that priority items are adequately addressed by the controls. Materiality criteria are established for each business function and utility operating company based on accounting guidelines and guidance from federal agencies. These evaluations and criteria are updated as necessary by the subject matter experts at least annually, but in most cases, quarterly. Results of this evaluation, monitoring and testing are summarized on a quarterly basis by the Vice President, Internal Audit and reported to Entergy's Executive Management team (CEO, CFO, CAO, COO and Utility President) and ultimately to the Audit Committee of the Board of Directors.

Investment Approval Process (IAP) - Company/Investment Level
Entergy's Corporate 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 developed and maintains 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. These risks are evaluated on an investment-by-investment basis as needed and are reported to the Corporate Risk Committee, a group of company officers and directors that approve or deny investment decisions based primarily on this risk evaluation. Investments over a certain amount must also be reported to and approved by the Board of Directors.

Asset Level Risk Assessment and Monitoring
Entergy's individual businesses and assets each assess risks to their responsibility area consistent with the ERM and IAP processes described above. Physical impacts to facilities from factors such as severe weather, subsidence, wetlands loss and sea level rise are evaluated on an ongoing basis. Results are reported to business function executive management with priorities identified by the likelihood of occurrence and severity of impact.

Regional and Local Risk - Adaptation Study
In 2010 Entergy funded with the America's WETLAND Foundation (AWF) a study that shows communities along the Gulf Coast region, many of which are Entergy's customers and are the locations of many of its assets, could suffer nearly $700 billion in economic losses over the next 20 years due to growing environmental risks, including climate change. It is a call to arms for all policymakers and includes cost-effective steps that can be taken now to build a more resilient Gulf Coast. This study was initiated internally by Entergy's Executive Management and was reported to the Board of Directors - it was announced in October of 2010 in conjunction with the Deltas2010 conference in New Orleans. Entergy now is working with AWF to engage local and regional leaders to evaluate regional and local readiness and, where necessary, initiate the adaptation process. See details of the 2010 Adaptation Study attached.

2.2

Is climate change integrated into your business strategy?

Yes

2.2a

Please describe the process and outcomes (see guidance)

For over a decade, Entergy's business strategy has been influenced by climate change issues. As a result, Entergy has included stabilization of carbon emissions, adaptation to the impacts of climate change and several other environmental aspirations in its business strategy. Integration of these issues into Entergy's business strategy and in the strategies of the various business units generates the need to coordinate, communicate and educate our stakeholders on how climate change impacts our business and how these considerations are integrated into the company's strategy.

The most important components of Entergy's short term strategy influenced by climate change are completion and renewal of our CO2 stabilization commitment, investment in R&D related to carbon capture and sequestration (CCS), wholesale power purchase decisions (based on fuel) and the environmental goals of our PowerON! strategy. These components and aspects of Entergy's business strategy are more fully described in the sections below.

The most important components of Entergy's long term strategy influenced by climate change are the company's ongoing CO2 stabilization commitment, our portfolio transformation strategy, inclusion of our CO2 point of view into investment decisions and our adaptation strategy for the entire Gulf Coast Region. These components and aspects of Entergy's business strategy are more fully described in the sections below.
In an industry that often serves as a regulated monopoly, these strategies and efforts provide Entergy with a strategic advantage by establishing the company as a leader in the utility industry on climate change issues, thereby attracting investors. This leadership position provides the company with credibility amongst the highest circles of advocacy in the country and world. Entergy leverages this credibility to advocate for immediate action on climate change and adaptation.

Stabilization of Carbon Emissions - 2000 to 2010
As part of Entergy's business strategy planning in 2001, Entergy established a commitment to stabilize CO2 from its power plants (Scope 1) at year 2000 levels through 2005. Entergy was the first U.S. utility to establish such a commitment and exceeded this absolute target by 23%. Entergy then established a second commitment in 2006 to stabilize CO2 emissions from our power plants (Scope 1) AND controllable purchased power (Scope 3) at 20% below 2000 levels through 2010. Inclusion of controllable purchased power influences power purchase decisions toward cleaner sources. Entergy again exceeded this target on a cumulative basis by over three percent. Entergy currently is evaluating options for a third commitment.

In terms of reporting, communication and disclosure of this commitment, Entergy believes in total transparency. Entergy seeks third-party verification of our GHG inventory, registers its inventory and offset transactions with the American Carbon Registry (www.americancarbonregistry.org) and regularly engages employees, customers, regulators and investors through communication and education campaigns regarding climate change.

Carbon Capture and Sequestration R&D
In 2010, Entergy initiated a study to evaluate retrofitting Roy S. Nelson Unit 6, a 585-megawatt coal-fired plant, with carbon capture sequestration technology. Our partner in the project, Tenaska New Technologies LLC, received a $795,000 grant from the Global Carbon Capture Sequestration Institute to finance a study of suitable CCS technologies. The Global CCS Institute is expected to provide a second grant of approximately $8 million to Tenaska for front-end engineering and design work on the project. Energy experts at the Massachusetts Institute of Technology have said there is no “credible pathway” to fighting climate change without retrofitting existing coal-fired plants with CCS technology and Entergy is putting words into action by supporting this R&D effort.

Climate Change Physical Risks and Adaptation
The primary link of climate change risk and opportunities to Entergy's business strategy is the physical impacts (current, ongoing and expected). A large portion of Entergy's customer base live in and depend on coastal areas that are already being impacted by environmental factors such as subsidence, coastal erosion and sea level rise. In 2010 Entergy funded with the America’s WETLAND Foundation (AWF) a study that shows communities along the Gulf Coast region, many of which are Entergy's customers and are the locations of many of its assets, could suffer nearly $700 billion in economic losses over the next 20 years due to growing environmental risks, including climate change. It is a call to arms for all policymakers and includes cost-effective steps that can be taken now to build a more resilient Gulf Coast. This study was initiated internally by Entergy's Executive Management and was reported to the Board of Directors - it was announced in October of 2010 in conjunction with the Deltas2010 conference in New Orleans. Entergy now is working with AWF to engage local and regional leaders to evaluate regional and local readiness and, where necessary, initiate the adaptation process. Through an initiative called Building Resilient Gulf Coast Communities (BRRC) Entergy is engaging with federal, state and local leaders to identify vulnerabilities and lead the effort to improve infrastructure needs. Entergy must take a leadership role to help these customers adapt to both occurring and expected changes. See details of the 2010 Adaptation Study attached.

Portfolio Transformation
Entergy has embarked on an effort to transform its generation portfolio that calls for a bulk of capacity needs to be met through long-term resources, whether owned or contracted. Over the past nine years, Portfolio Transformation has resulted in the addition of about 4,000 MW of new long-term resources, including the 580 MW Acadia plant that closed in the second quarter 2011. These figures do not include trasactions announced in second quarter 2011 or under negotiations as a result of the Summer 2009 RFP. Through this business strategy, the company continues to pursue opportunities to procure the right generation technologies in the right place for our customers in the most efficient manner possible.

PowerON! Strategy
In early 2011, Entergy’s Utility Operations business announced the PowerON! strategy which contains an environmental focus area. This focus area contains five performance targets – three of which are specifically targeted to help Entergy and its customers reduce environmental footprint. Progress toward these targets is monitored on a regular basis by Utility Operations Executive Management, with Focus Area owners held accountable for results.

2.2b

Please explain why not

2.3

Do you engage with policy makers to encourage further action on mitigation and/or adaptation?

Yes

2.3a

Please explain (i) the engagement process and (ii) actions you are advocating

Regarding further mitigation, Entergy's Chairman and CEO, J. Wayne Leonard, is a thought leader on climate change is a regular advocate for action. Mr. Leonard has written many opinion pieces published in major U.S. newspapers regarding the need for action to establish a price signal on carbon, develop carbon capture technology, develop/deploy non-emitting generation technologies and begin adapting to climate change impacts. See the attached compilation of articles and activities for the past few years. Also see his comments attached delivered during a meeting on climate change issues at MIT in mid-2009.

Regarding adaptation, in 2010 Entergy funded with the America's WETLAND Foundation (AWF) a study that shows communities along the Gulf Coast region, many of which are Entergy's customers and are the locations of many of its assets, could suffer nearly $700 billion in economic losses over the next 20 years due to growing environmental risks, including climate change. It is a call to arms for all policymakers and includes cost-effective steps that can be taken now to build a more resilient Gulf Coast. This study was initiated internally by Entergy's Executive Management and was reported to the Board of Directors - results of the study were announced in October of 2010 in conjunction with the Deltas2010 conference in New Orleans. Entergy now is working with AWF to engage local and regional leaders to evaluate regional and local readiness and, where necessary, initiate the adaptation process. See details of the 2010 Adaptation Study attached.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/2.Strategy/Entergy's GHG Commitment Progress 2001 - 2010.doc
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/2.Strategy/JWL_MIT_REMARKS.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/2.Strategy/2010 Entergy Sustainability Report FINAL.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/2.Strategy/JWL_activities_2010-11.doc
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/2.Strategy/2010_Annual_Report.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/2.Strategy/2010 Entergy-AWF Adaptation Study Executive Report.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/2.Strategy/2010 Entergy-AWF Adaptation Study Presentation.pdf

Page: 3. Targets and Initiatives

3.1

Did you have an emissions reduction target that was active (ongoing or reached completion) in the reporting year?

Absolute target

3.1a

Please provide details of your absolute target

ID	Scope	% of emissions in scope	% reduction from base year	Base year	Base year emissions (metric tonnes CO2e)	Target year	Comment
2ND	Scope 1+2+3	84%	20%	2000	48260000	2010	2006 to 2010: Entergy's second commitment expanded the scope and length of the overall goal. In 2006, Entergy committed to stabilizing CO2 emissions from its owned power plants AND controllable power purchases at 20% below year 2000 levels. Entergy exceeded this commitment on a cumulative basis by 3%.
1ST	Scope 1	63%	0%	2000	48260000	2005	2001 to 2005: Entergy's 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.

3.1b

Please provide details of your intensity target

ID	Scope	% of emissions in scope	% reduction from base year	Metric	Base year	Base year emissions (metric tonnes CO2e)	Target year	Comment

3.1c

Please also indicate what change in absolute emissions this intensity target reflects

ID	Direction of change anticipated in absolute Scope 1+2 emissions at target completion?	% change anticipated in absolute Scope 1+2 emissions	Direction of change anticipated in absolute Scope 3 emissions at target completion?	% change anticipated in absolute Scope 3 emissions	Comments

3.1d

Please provide details on your progress against this target made in the reporting year

ID	% complete (time)	% complete (emissions)	Comment
2ND	100%	100%	Entergy exceeded the target of stabilizing CO2 emissions from owned power plants and controllable purchases at 20% below 2000 levels by more than 3%.
1ST	100%	100%	Entergy exceeded the target of stabilizing CO2 emissions from owned power plants at 2000 levels by 23%.

3.1e

Please explain (i) why not; and (ii) forecast how your emissions will change over the next five years

3.2

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

Yes

3.2a

Please provide details (see guidance)

Entergy offers various 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 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, Inc. that include 25 DSM programs and cover all customer classes (residential, commercial and industrial). A total of $61 million was invested over the period of 2002-2010 to deliver a total of 126 MWs and 334,000 MWHs to date of energy savings. In 2010 alone a total of $19.4 million was invested in DSM programs delivering 43 MWs and 85,800 MWHs of annual energy savings.

Entergy is also in the process of implementing the DOE Smart Grid Investment Grant program 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 for low income customers. Up to 7,400 AMI meters will be installed on low income customer residences. Approximately 2,500 customers will receive 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 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. In 2010, Entergy and state-run programs helped weatherize approximately 7,000 homes, helping homeowners reduce their energy use and costs. We continued to distribute fans and energy-efficient air conditioning units through our Beat the Heat program. In 2010, 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 2010 over 60,000 customers visited our site for energy efficiency information and to perform on line energy audits. See http://www.entergy.com/ensight/default.aspx.

Entergy also launched the Make an Impact and Double Your Difference programs during 2009 and 2010. This site allows visitors to not only calculate their greenhouse gas footprint, but provides tips on how to reduce this footprint and allows purchase of carbon offsets with a matching component. See www.findyourco2.comfor program details.

Finally, electrification of loads traditionally served by fossil-fueled combustion equipment (transportation assets, compressor stations, etc.) allows Entergy's customers to reduce their Scope 1 GHG emissions.

3.3

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

Yes

3.3a

Please provide details in the table below

Activity type	Description of activity	Annual monetary savings (unit currency)	Investment required (unit currency)	Payback period
Low carbon energy installation	Entergy is expanding our use of safe, emission-free nuclear generation through high capacity factors, uprates and preserving the option for construction of new nuclear facilities. Investment spend on nuclear uprate studies and capital investments (in $US) for 2005 to 2012 is approaching $600 million across multiple plants. Additionally, Entergy continues our Portfolio Transformation strategy, acquiring newer, more efficient generation sources (CCGT and CT) and retiring legacy units. These investments can reduce both Scope 1 and Scope 3 emissions for the company. This is a voluntary activity, ongoing and expected to continue over the next five years.	0	595000000	
Low carbon energy purchase	Entergy's 2nd GHG Commitment includes a purchased power component referred to as "controllable purchases". Including this aspect in our GHG Commitment has resulted in constant evaluation of the sources of the power that we purchase through long-term agreements and other PPAs. This represents a reduction in Scope 3 emissions for Entergy. Entergy also issued an RFP for renewable generation sources in our service territory in late 2010 in response to a pilot program approved by the Louisiana Public Service Commission. The company received many applications and plans to announce primary and secondary awards during 2011 to bring additional renewable energy generation to our power purchases by 2014.	0	0	
Other	Entergy is considering the future costs of carbon when making investment decisions. The company has developed and continuously refines a point of view on CO2 control and includes carbon constrained scenarios when making investment decisions. This scenario planning may impact all types of emissions (Scopes 1, 2 and 3), depending on the investment type. This is a voluntary activity and is expected to continue in the short and long term.	0	0	
Energy efficiency: processes	Entergy offers various 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 (Scope 1 emissions), reduces the amount of new generation that needs to be built to meet the growth in demand (Scope 1 emissions) and has the added benefit of reducing customer’s energy usage (Scope 3 emissions) and 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, Inc. that include 25 DSM programs and cover all customer classes (residential, commercial and industrial). A total of $61 million was invested over the period of 2002-2010 to deliver a total of 126 MWs and 334,000 MWHs to date of energy savings. In 2010 alone a total of $19.4 million was invested in DSM programs delivering 43 MWs and 85,800 MWHs of annual energy savings. These programs are fully developed, are mandated in these jurisdictions and are expected to continue into the near-term and long-term future.	0	19400000	

Activity type	Description of activity	Annual monetary savings (unit currency)	Investment required (unit currency)	Payback period
Low carbon energy installation	Solar Schools Initiative in New Orleans - Working with Nike and Environmental Resources Trust, Entergy formed a Solar Reinvestment Fund to help revitalize New Orleans with newly constructed solar powered schools and homes. This initiative combined with net metering rules will help facilitate investments in distributed renewable energy generation in New Orleans as the post-Katrina rebuild continues. To date, three large solar PV systems are installed at schools in the area. This provides direct emission reductions for Entergy (Scope 1), is a voluntary program and is expected to continue for the next several years. Entergy has committed $1.5 million of the $1.7 million in the program. See http://www.entergy-neworleans.com/news_room/newsrelease.aspx?NR_ID=2110 for additional detail.	0	1700000	
Other	For the last decade, Entergy has invested in equipment upgrades, carbon sequestration projects and carbon credits to lower CO2 emissions (Scope 1). An Environmental Initiatives Fund (EIF) was created in 2001 to purchase high quality external offsets and help fund internal equipment upgrades such as neural network control systems to improve generation efficiency. Over the last decade, Entergy has invested over $30 million to efficiency improvements, carbon sequestration and offset projects. Entergy has established a portfolio of over 3 million metric tons of offsets. This is a voluntary effort that we expect to continue over the next decade.	0	30000000	
Other	Entergy's Utility Operations Group has established a comprehensive suite of environmental performance metrics designed to address specific performance areas - one of which is an environmental focus area. Five of the metrics focus on environmental performance, one of which focuses on GHG emissions specifically (Scope 1 - transportation fleet, fugitive SF6 and EE improvements) and on that focuses on Entergy's DSM/EE three year target.	0	0	

3.3b

What methods do you use to drive investment in emissions reduction activities?

Method	Comment
Compliance with regulatory requirements/standards	Examples include mandated customer EE/DSM programs and investments in emission reduction activities.
Dedicated budget for energy efficiency	Examples include Entergy's EE/DSM programs (both mandated and voluntary) and efforts to improve our facility efficiency.
Dedicated budget for low carbon product R&D	Example is investment in the Electric Power Research Institute (EPRI) regarding nuclear generation and other low carbon generation.

Method	Comment
Dedicated budget for other emission reduction activities	Entergy's Environmental Initiatives Fund provides funding for efficiency improvements and high quality carbon offset projects.
Employee engagement	Through the Make an Impact program website, Entergy has engaged employees (as well as customers and other stakeholders) in understanding the individual contribution to climate change. Entergy also engages employees through volunteer activities focused on environmental improvement as well as internal training.
Internal price of carbon	Entergy evaluates carbon constrained scenarios in our investment decisions as a part of our Investment Approval Process.
Partnering with governments on technology development	In 2010, Entergy initiated a study to evaluate CCS retrofit on our Nelson coal unit in Louisiana.

3.3c

If you do not have any emissions reduction initiatives, please explain why not

Further Information

See documents and websites attached for additional information on the items described in this question.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/3.TargetsandInitiatives/Entergy's GHG Commitment Progress 2001 - 2010.doc
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/3.TargetsandInitiatives/entergy.pewclimate[1]
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/3.TargetsandInitiatives/2010 Entergy Sustainability Report FINAL.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/3.TargetsandInitiatives/default[1].aspx

Page: 4. Communication

4.1

Have you published information about your company's response to climate change and GHG emissions performance for this reporting year in other places than in your CDP response? If so, please attach the publication(s)

Publication	Page/Section Reference	Identify the attachment
In annual reports (complete)	Pages 6-8, 14, 25-27	2010_Annual_Report.pdf
In other regulatory filings (complete)	Pages 216-218	2010 Entergy Form 10K.pdf
In voluntary communications (complete)	Pages 17-22	2010 Sustainability Report.pdf
In voluntary communications (complete)	Pages 1-11 (entire document)	2010 Entergy-AWF Adaptation Study Executive Report.pdf
In voluntary communications (complete)	All	JWL_activities_2010-11.pdf

Further Information

See documents attached for additional information on the items described in this question.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/4.Communication/2010 Entergy-AWF Adaptation Study Executive Report.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/4.Communication/2010_Annual_Report.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/4.Communication/2010 Entergy-AWF Adaptation Study Presentation.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/4.Communication/2010 Entergy Sustainability Report FINAL.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/4.Communication/2010 Entergy Form 10K.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/4.Communication/JWL_activities_2010-11.doc

Module: Risks and Opportunities [Investor]

Page: 5. Climate Change Risks

5.1

Have you identified any climate change risks (current or future) that have potential to generate a substantive change in your business operations, revenue or expenditure? Tick all that apply

Risks driven by changes in regulation
Risks driven by changes in physical climate parameters
Risks driven by changes in other climate-related developments

5.1a

Please describe your risks driven by changes in regulation

ID	Risk driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact
RR1	International agreements	International agreements may impact U.S. policy on climate change if ratified by Congress. This could result in additional restrictions on the operation of fossil-fuelled power plants and or requirements to control emissions. This may require additional capital budget and/or incremental operating costs. Additionally, the potential for offset project development in other countries may limit the availability of inexpensive offsets in the U.S.	Increased operational cost	6-10 years	Direct	More likely than not	Medium-high
RR2	Air pollution limits	The USEPA currently is requiring analysis of the best available control technology (BACT) for new and/or upgraded power generation facilities. This is based on the determination (and case law) that CO2 can be a regulated pollutant under the Clean Air Act. This may result in additional capital costs during facility upgrades and new builds. Improper sequencing of regulations and/or lack of comprehensive regulations (all pollutants) could lead to stranded investments for long-lived assets such as power generation plants.	Increased capital cost	Current	Direct	Virtually certain	High
RR3	Cap and trade schemes	Even though a cap and trade scheme in the U.S. is unlikely in the next 5 years, Entergy believes that this type of scheme will be the ultimate outcome for controlling carbon in the U.S. Currently, Entergy is advocating a Clean Energy Standard	Increased operational cost	>10 years	Direct	Very likely	Medium

ID	Risk driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact
		that includes nuclear, clean coal, efficient natural gas and renewables. A number of proposals currently are under discussion in Congress and in the Presidential Administration. This would create a flexible, low cost and practical solution, while driving development of technology and deployment of efficient and clean generation technologies. While this solution is more likely than not in the near-term, cap-and-trade remains a very likely long-term solution for addressing carbon emissions in the U.S.					
RR4	Emission reporting obligations	Entergy has reported its GHG emissions voluntarily for the last ten years through various programs such as EPA Climate Leaders and through the American Carbon Registry (www.americancarbonregistry.org). Additionally, Entergy voluntarily commissions a third-party verification audit of its GHG Inventory. In 2011, Entergy is required to report its GHG emissions for certain categories under EPA's Mandatory GHG Reporting Rule.	Increased operational cost	Current	Direct	Virtually certain	Low
RR5	Fuel/energy taxes and regulations	Regulation of carbon emissions, either via a cap and trade scheme, carbon tax, clean energy standard or the Clean Air Act (current path) will likely increase fuel costs and may impose restrictions on use of certain fuels. This essentially results in regulating certain fuels, which is likely already impacting fuel prices.	Increased operational cost	Current	Direct	Virtually certain	Medium
RR6	Product efficiency regulations and standards	Entergy already has aggressive EE/DSM goals and targets for our utility business. While this does reduce demand for electricity, Entergy does not want to sell energy that may be wasted by our customers. Entergy strongly advocates the efficient use of electricity and understands that this is a technology that can be deployed today to reduce GHG emissions.	Reduced demand for goods/services	Current	Indirect (Client)	Virtually certain	Low-medium
RR7	Voluntary agreements	Entergy has voluntarily committed to reduce its GHG emissions for the last decade. Entergy beat our first commitment (stabilize at 2000 levels through 2005) by 23% and bettered our second commitment (stabilize at 20% below 2000 levels, including controllable purchased power) by 3%, both on a cumulative basis. Entergy currently is evaluating options for a third commitment (2011-2020).	Increased operational cost	Current	Direct	Virtually certain	Low-medium
RR8	General	Entergy undergoes an extensive resource planning exercise	Increased	Current	Direct	Virtually	Low

ID	Risk driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact
	environmental regulations, including planning	on a regular, periodic basis. This plan includes inputs on plant retirements, new builds, uprates and extensive environmental regulatory scenarios. Uncertainties regarding all environmental regulations, including GHG emissions, create uncertainty in Entergy's resource planning.	operational cost			certain	
RR9	Uncertainty surrounding new regulation	Uncertainty regarding all environmental regulations, including GHG emissions, creates uncertainty in Entergy's resource planning. The time horizon for this planning is 30+ years - uncertainty regarding any government policy or regulation causes uncertainty in our modelling.	Reduced stock price (market valuation)	Current	Direct	Virtually certain	Medium
RR10	Lack of regulation	Entergy's generation portfolio is one of the cleanest in the United States among large electric generators. The company is a strong advocate of regulation of carbon emissions through a cap and trade scheme or a Clean Energy Standard (described in RR3). Because of this, Entergy stands to benefit from increased investor interest and market valuation in a carbon constrained economy. Continued uncertainty and lack of regulation of GHGs delays this benefit.	Reduced stock price (market valuation)	Current	Direct	Virtually certain	Medium-high

5.1b

Please describe (i) the potential financial implications of the risk before taking action; (ii) the methods you are using to manage this risk; and (iii) the costs associated with these actions

RR1, RR2, RR3, RR5, RR7 - (i) the financial implications are difficult to quantify and depend on the ultimate regulatory framework/policy that is adopted, its timeline and the restrictions imposed. (ii) Entergy currently is managing this risk through our portfolio transformation strategy, nuclear uprates/proposed new builds and the voluntary GHG stabilization commitments the company has made over the last decade. These strategies currently are being implemented today and reduce the company's financial exposure in an expected, future carbon constrained economy. (iii) Incremental costs currently only include Entergy's Environmental Initiatives Fund ($30 million+ over the last decade) to invest in efficiency improvements and high-quality offset projects.

RR4 - (i) the financial implications of increased and mandatory reporting are expected to be minimal. (ii) Entergy already has been reporting GHG emissions voluntarily (and for some categories to regulatory agencies) for a decade or more. Entergy continues to develop our GHG inventory and commission a third-party verification audit (see Annual Report and www.americancarbonregistry.com) (iii) Entergy's early action on GHG accounting and reporting has minimized the incremental costs associated with additional reporting requirements - in many cases, the same data can be used for multiple reports as required.

RR6 - (i) the financial implications include loss of revenue due to decreased electricity sales. However, Entergy does not want to sell energy that may be wasted by

our customers. (ii) Entergy offers various 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, Inc. that include 25 DSM programs and cover all customer classes (residential, commercial and industrial). (iii) A total of $61 million was invested over the period of 2002-2010 to deliver a total of 126 MWs and 334,000 MWHs to date of energy savings. In 2010 alone a total of $19.4 million was invested in DSM programs delivering 43 MWs and 85,800 MWHs of annual energy savings. Entergy is advocating similar EE/DSM programs in the other states we serve.

RR8, RR9, RR10 - (i) Entergy undergoes an extensive resource planning exercise on a regular, periodic basis. This plan includes inputs on plant retirements, new builds, uprates and extensive environmental regulatory scenarios. Uncertainties regarding all environmental regulations, including GHG emissions, create uncertainty in Entergy's resource planning. The time horizon for this planning is 30+ years - uncertainty regarding any government policy or regulation causes uncertainty in our modelling, making the financial implications difficult to quantify. (ii) Entergy's generation portfolio is one of the cleanest in the United States among large electric generators. The company is a strong advocate of regulation of carbon emissions through a cap and trade scheme or a Clean Energy Standard (described in RR3). (iii) Because of this, Entergy stands to benefit from increased investor interest and market valuation in a carbon constrained economy. Continued uncertainty and lack of regulation of GHGs delays this benefit.

5.1c

Please describe your risks that are driven by change in physical climate parameters

ID	Risk driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact
PR1	Sea level rise	Entergy and its customers are already dealing with impacts of climate change from sea level rise. This factor, in conjunction with coastal erosion and subsidence is already impacting Southeast Texas and South Louisiana.	Increased operational cost	Current	Direct	Very likely	High
PR2	Tropical cyclones	Entergy and its customers have dealt with some of the strongest hurricanes on record for the North Atlantic hurricane seasons. In recent years, hurricanes Katrina, Rita, Gustav and Ike have provided a glimpse into what increased frequency and severity of tropical cyclones will be like under some of the climate change scenario predictions.	Increased operational cost	Current	Direct	More likely than not	High
PR3	Induced changes in natural resources	Louisiana's coastline is being impacted today by coastal erosion, sea level rise and subsidence. These factors are impacting Entergy's customers and in some cases, Entergy's assets.	Increased operational cost	Current	Direct	Very likely	Medium-high

ID	Risk driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact
PR4	Change in precipitation extremes and droughts	Changes to precipitation extremes and droughts are a potential risk to Entergy because of our need for cooling water to produce electricity. Changes to precipitation patterns can impact where cooling water is available.	Increased operational cost	6-10 years	Direct	More likely than not	Medium-high
PR5	Uncertainty of physical risks	Uncertainty regarding physical risks creates uncertainty in Entergy's resource planning. As the region adapts to climate risk, population density and location will shift, impacting Entergy's resource planning. The time horizon for this planning is 30+ years - uncertainty regarding population density and location causes uncertainty in our modelling.	Increased operational cost	6-10 years	Direct	More likely than not	Medium-high

5.1d

Please describe (i) the potential financial implications of the risk before taking action; (ii) the methods you are using to manage this risk; and (iii) the costs associated with these actions

PR1, PR2, PR3 and PR4 - (i) Entergy is contending with many of these risks today as the coastal areas of our service territory struggle with adaptation issues. The financial implications are difficult to quantify; however, Entergy is carefully studying this issue to better understand the adaptation costs it is facing today and in the decades to come. These risks are exacerbated by oil & gas exploration and production activities as evidenced by the Deepwater Horizon explosion and oil spill disaster. (ii) In 2010, Entergy funded with the America's WETLAND Foundation a study that shows communities along the Gulf Coast could suffer nearly $700 billion in economic losses ($350 billion direct, $350 billion indirect) over the next 20 years due to growing environmental risks. It is a call to arms for all policymakers and includes cost-effective steps that can be taken now to build a more resilient Gulf Coast. Entergy and America's WETLAND Foundation will take the study in 2011 and 2012 to communities along the Gulf Coast to inform local officials and other stakeholders and to help them plan for building more resilient communities. (iii) In the near term, we have attractive, cost-effective actions that can increase resiliency, assist the growth of our economy and restore our environment. Examples include improved building codes, wetland restoration and stronger levee systems. The Gulf Coast study has identified $49 billion in investments over the next 20 years that will cost-effectively avert $137 billion in losses over the lifetime of the measures. However, it will take bold vision, leadership and significant engagement with many stakeholders to recognize the opportunities, eliminate the barriers and implement a resilient path forward for our communities.

PR5 - (i) Entergy undergoes an extensive resource planning exercise on a regular, periodic basis. This plan includes inputs on plant retirements, new builds, uprates and resource requirement scenarios. Uncertainty regarding population density, growth and location create uncertainty in Entergy's resource planning. The time horizon for this planning is 30+ years - uncertainty regarding these factors causes uncertainty in our modelling, making the financial implications difficult to quantify. (ii) and (iii) Entergy conducted the Gulf Coast Adaptation Study in 2010 - fully described in PR1 to PR4 discussion above.

5.1e

Please describe your risks that are driven by changes in other climate-related developments

ID	Risk driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact
OR1	Reputation	Proactive management of climate-related risks and opportunities can impact a corporation's reputation.	Reduced stock price (market valuation)	Current	Direct	Very likely	Medium
OR2	Induced changes in human and cultural environment	Changes to the coastline of Louisiana and Texas will cause changes in the rich cultural resources of the area. The Acadian French, Native American and other cultures in South Louisiana are at risk and are already being impacted by coastal erosion, subsidence and sea level rise.	Wider social disadvantages	Current	Indirect (Client)	Very likely	Medium
OR3	Fluctuating socio-economic conditions	All four states served by the Entergy utility operating companies rank among the top 10 states with the highest poverty rates. Roughly 25 percent of Entergy's 2.3 million residential customers require government assistance to meet their basic daily needs. In addition, the suffering and devastation in the Gulf Coast region following recent hurricanes was disproportionately felt by low-income individuals and families. The predicted impacts of climate change will have the most impact on these same individuals and families. One of our guiding principles regarding the needed response to climate change is to build in permanent low-income protection similar to the earned income tax credit or other rebates.	Wider social disadvantages	1-5 years	Indirect (Client)	More likely than not	Medium
OR4	Increasing humanitarian demands	Unless low-lying coastal areas begin to adapt to changes already occurring along the Gulf Coast, increased frequency of extreme precipitation, heat events and tropical cyclones will result in increased humanitarian demands.	Wider social disadvantages	1-5 years	Indirect (Client)	More likely than not	Medium

5.1f

Please describe (i) the potential financial implications of the risk before taking action; (ii) the methods you are using to manage this risk; (iii) the costs associated with these actions

OR1 - (i) Financial implications of this risk include loss of goodwill and negative publicity. Entergy has been recognized as being a good corporate citizen. Entergy's success is linked inextricably to the success of the communities it serves. We live and work in the communities we serve; therefore, the company's reputation is an important asset. (ii) One of the company's long-term aspirations is to contribute to a society that is healthy, educated and productive. Toward that end, Entergy's climate change principles include an item stating, "Build in permanent low-income protection similar to the earned income tax credit or other rebates...". Any legislation dealing with carbon control must address the regressive nature of the costs. (iii) Since Entergy's success depends on our customers using our product efficiently and being able to pay their electric bill, the costs associated with low-income programs are recovered - both in revenue and in the long term success and sustainability of the economy as a whole.

OR2, OR3 and OR4 - (i) Potential financial implications of these risks are difficult to quantify; these are indirect impacts to the company and would increase strain on government assistance programs and charitable organization resources. (ii) Entergy is managing this risk by actively advocating action at the federal, state and local level to limit GHG emissions economy-wide, supporting wetlands restoration efforts, advocating for low-income customers and supporting charitable organizations. (iii) Costs associated with these actions are primarily time and effort from various personnel within Entergy led by our Board Chairman and CEO, J. Wayne Leonard. Entergy and its charitable foundation donated more than $20 million to nonprofit groups that are helping rebuild the physical, intellectual and cultural assets of New Orleans and the surrounding region. Additionally, Entergy supports and advocates low-income programs focused on efficient use of energy.

5.1g

Please explain why you do not consider your company to be exposed to risks driven by changes in regulation that have the potential to generate a substantive change in your business operations, revenue or expenditure

5.1h

Please explain why you do not consider your company to be exposed to risks driven by physical climate parameters that have the potential to generate a substantive change in your business operations, revenue or expenditure

5.1i

Please explain why you do not consider your company to be exposed to risks driven by changes in other climate-related developments that have the potential to generate a substantive change in your business operations, revenue or expenditure

Further Information

See document attached for additional information on the items described in this question.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/5.ClimateChangeRisks/2010 Entergy Sustainability Report FINAL.pdf

Page: 6. Climate Change Opportunities

6.1

Have you identified any climate change opportunities (current or future) that have the potential to generate a substantive change in your business operations, revenue or expenditure? Tick all that apply

Opportunities driven by changes in regulation
Opportunities driven by changes in physical climate parameters
Opportunities driven by changes in other climate-related developments

6.1a

Please describe your opportunities that are driven by changes in regulation

ID	Opportunity driver	Description	Potential impact	Timeframe	Direct/Indirect	Likelihood	Magnitude of impact
RO1	International agreements	International agreements may hasten U.S. policy on climate change if ratified by Congress. Entergy has long advocated for action on climate change, so any	Increased stock price (market valuation)	Current	Direct	Very likely	Medium-high

ID	Opportunity driver	Description	Potential impact	Timeframe	Direct/Indirect	Likelihood	Magnitude of impact
		international action on this front will increase pressure for the U.S. to take action.					
RO2	Air pollution limits	The USEPA currently is requiring analysis of the best available control technology (BACT) for new and/or upgraded power generation facilities. This is based on the determination (and case law) that CO2 can be a regulated pollutant under the Clean Air Act. Entergy has long advocated for action on climate change; regulation of carbon through the Clean Air Act is not the most efficient method, so this may drive Congress to take action on the legislative front.	Increased stock price (market valuation)	Current	Direct	Very likely	Medium-high
RO3	Cap and trade schemes	Even though a cap and trade scheme in the U.S. is unlikely in the next 5 years, Entergy believes that this type of scheme will be the ultimate outcome for controlling carbon in the U.S. Currently, Entergy is advocating a Clean Energy Standard that includes nuclear, clean coal, efficient natural gas and renewables. A number of proposals currently are under discussion in Congress and in the Presidential Administration. This would create a flexible, low cost and practical solution, while driving development of technology and deployment of efficient and clean generation technologies. While this solution is more likely than not in the near-term, cap-and-trade remains a very likely long-term solution for addressing carbon emissions in the U.S.	Increased stock price (market valuation)	Current	Direct	Very likely	Medium-high
RO4	Product efficiency regulations and standards	Entergy already has aggressive EE/DSM goals and targets for our utility business. While this does reduce demand for electricity, Entergy does not want to sell energy that may be wasted by customers. Entergy strongly advocates the efficient use of electricity and understands that this is a technology that can be deployed today to reduce GHG emissions.	New products/business services	Current	Direct	Virtually certain	Medium-high
RO5	Voluntary agreements	Entergy has voluntarily committed to reduce its GHG emissions for the last decade. Entergy beat our first commitment (stabilize at 2000 levels through 2005) by 23% and bettered our second commitment (stabilize at 20% below 2000 levels, including	Increased stock price (market valuation)	Current	Direct	Very likely	Medium-high

ID	Opportunity driver	Description	Potential impact	Timeframe	Direct/Indirect	Likelihood	Magnitude of impact
		controllable purchased power) by 3%, both on a cumulative basis. Entergy currently is evaluating options for a third commitment (2011-2020).					
RO6	Other regulatory drivers	Entergy's generation portfolio is one of the cleanest in the United States among large electric generators. The company is a strong advocate of regulation of carbon emissions through a cap and trade scheme or a Clean Energy Standard (described in RO3). Because of this, Entergy stands to benefit from increased investor interest and market valuation in a carbon constrained economy.	Increased stock price (market valuation)	Current	Direct	Very likely	Medium-high

6.1b

Please describe (i) the potential financial implications of the opportunity; (ii) the methods you are using to manage this opportunity; (iii) the costs associated with these actions

RO1, RO2, RO3, RO5 and RO6 - (i) 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 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 economy. (ii) Entergy's current focus is on the United States; however, international action on climate change, air pollution limits, carbon taxes and cap & trade schemes will hasten action, recognize early action by leaders such as Entergy and create markets through which Entergy can leverage our position. Entergy is moving on these opportunities now and has a portfolio of nearly 4 million tons of carbon offsets. (iii) Entergy has invested over $30 million from our Environmental Initiatives Fund over the last decade on existing generation fleet efficiency improvements and high-quality emission offset projects. This funding is above and beyond other spending on efficiency improvments and maintenance.

RO4 - (i) the financial implications include loss of revenue due to decreased electricity sales. However, Entergy does not want to sell energy that may be wasted by our customers and recognizes the payback associated with EE/DSM programs. (ii) Entergy offers various 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, Inc. that include 25 DSM programs and cover all customer classes (residential, commercial and industrial). (iii) A total of $61 million was invested over the period of 2002-2010 to deliver a total of 126 MWs and 334,000 MWHs to date of peak demand and energy savings. In 2010 alone a total of $19.4 million was invested in DSM programs delivering 43 MWs and 85,800 MWHs of annual energy savings.

6.1c

Please describe the opportunities that are driven by changes in physical climate parameters

ID	Opportunity driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact
PO1	Other physical climate drivers	Adaptation Investments - Entergy's customers and the Gulf Coast economy stand to benefit from investments in needed infrastructure improvements to build more resilient communities.	Wider social benefits	Current	Direct	Very likely	Medium-high

6.1d

Please describe (i) the potential financial implications of the opportunity; (ii) the methods you are using to manage this opportunity; (iii) the costs associated with these actions

PO1 - (i) The U.S. Gulf Coast faces increased risks from natural hazards. There is no question we are suffering from this today. Along the Gulf Coast, safety, prosperity and the vibrant quality of life are not just at risk, but also in some cases, already diminished or disappearing. All three are critical attributes needed to raise our families and sustain our communities. In Louisiana alone, we lose 25 to 35 square miles of coastal wetlands a year through subsidence, sea level rise and erosion. The livelihoods of 12 million people that live near the coast, the sustainability of rich natural resources that support $634 billion in annual GDP and the security of residential, commercial and industrial assets valued at more than $2 trillion are increasingly vulnerable to storm surge, flooding and wind damage. Recent storms like hurricanes Katrina, Rita, Gustav and Ike provide a glimpse of what the future could bring if we don't plan for and invest in building more resilient, sustainable communities. They also provide an important lesson demonstrating how the poorest among us, with the fewest adaptation options, are disproportionately impacted by these risks.

(ii) At Entergy, we continue to advocate for action. In 2010, we funded with the America's WETLAND Foundation an "Adaptation Study" that shows communities along the Gulf Coast could suffer nearly $700 billion in direct and indirect economic losses over the next 20 years, applying the multiplier effect, due to growing environmental risks. It is a call to arms for all policymakers and includes cost-effective steps that can be taken now to build a more resilient Gulf Coast. Entergy leaders participated in the DELTAS2010 Conference in October 2010 – along with legislative leaders from Texas, Louisiana, Mississippi and Alabama – where the landmark study we funded was presented. We participated and led discussions on how the region can build resiliency following major disasters. Entergy and America's WETLAND Foundation will take the study in 2011 and 2012 to communities along the Gulf Coast to inform local officials and other stakeholders and to help them plan for building more resilient communities.

(iii) In the near term, we have attractive, cost-effective actions that can increase resiliency, assist the growth of our economy and restore our environment. Examples include improved building codes, wetland restoration and stronger levee systems. The Gulf Coast study has identified $49 billion in investments over the next 20 years that will cost-effectively avert $137 billion in losses over the lifetime of the measures. However, it will take bold vision, leadership and significant engagement

with many stakeholders to recognize the opportunities, eliminate the barriers and implement a resilient path forward for our communities.

6.1e

Please describe the opportunities that are driven by changes in other climate-related developments

ID	Opportunity driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact
OO1	Reputation	Entergy is viewed as a thought leader in the area of climate change and adaptation. As these issues increase in exposure and importance in the social conscience, Entergy will be viewed as a leader.	Increased stock price (market valuation)	Current	Direct	Very likely	Medium-high
OO2	Changing consumer behaviour	Recognition and understanding of climate issues will lead to an increasing number of Entergy customers evaluating and taking action to reduce their energy/carbon footprint.	New products/business services	Current	Direct	Very likely	Medium-high

6.1f

Please describe (i) the potential financial implications of the opportunity; (ii) the methods you are using to manage this opportunity; (iii) the costs associated with these actions

OO1 - (i) The financial implications of a positive reputation typically manifest in terms of "goodwill". Recognition from external rating agencies and Non-Governmental Organizations (NGOs) can also build goodwill. (ii) Entergy manages this opportunity by providing extensive external reporting and being transparent. Entergy publishes articles on its climate change position and our CEO engages directly with policymakers at all levels to influence policy and establish Entergy as a thought leader on the topic of climate change and energy policy. (iii) These activities are performed by existing Entergy functions, therefore the incremental costs are minimal.

OO2 - (i) the financial implications include loss of revenue due to decreased electricity sales. However, Entergy does not want to sell energy that may be wasted by our customers. Additionally, the financial opportunities include offering products and services that allow customers to reduce their energy usage and carbon footprint. (ii) Entergy offers various 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, Inc. that include 25 DSM programs and cover all customer classes (residential, commercial and industrial). (iii) A total of $61 million was invested over the period of 2002-2010 to deliver a total of 126 MWs and

334,000 MWHs to date of peak demand and energy savings. In 2010 alone a total of $19.4 million was invested in DSM programs delivering 43 MWs and 85,800 MWHs of annual energy savings. Entergy is advocating similar EE/DSM programs in the other states we serve.

6.1g

Please explain why you do not consider your company to be exposed to opportunities driven by changes in regulation that have the potential to generate a substantive change in your business operations, revenue or expenditure

6.1h

Please explain why you do not consider your company to be exposed to opportunities driven by physical climate parameters that have the potential to generate a substantive change in your business operations, revenue or expenditure

6.1i

Please explain why you do not consider your company to be exposed to opportunities driven by changes in other climate-related developments that have the potential to generate a substantive change in your business operations, revenue or expenditure

Further Information

See document attached for additional information on the items described in this question.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/6.ClimateChangeOpportunities/2010 Entergy Sustainability Report FINAL.pdf

Module: GHG Emissions Accounting, Energy and Fuel Use, and Trading [Investor]

Page: 7. Emissions Methodology

7.1

Please provide your base year and base year emissions (Scopes 1 and 2)

Base year	Scope 1 Base year emissions (metric tonnes CO2e)	Scope 2 Base year emissions (metric tonnes CO2e)
Sat 01 Jan 2000 - Sun 31 Dec 2000	48260000	788000

7.2

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

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
Other

7.2a

If you have selected "Other", please provide details below

US EPA Climate Leaders: Direct Emissions from Mobile Sources
US EPA Climate Leaders: Direct Emissions from Refrigeration and Air Conditioning Equipment
US EPA eGRID Database (http://www.epa.gov/cleanenergy/energy-resources/egrid/index.html)
US EPA Part 75 Continuous Emissions Monitoring Program (http://www.epa.gov/airmarkets/emissions/index.html)

7.3

Please give the source for the global warming potentials you have used

Gas	Reference
CO2	IPCC Second Assessment Report (SAR - 100 year)
CH4	IPCC Second Assessment Report (SAR - 100 year)
N20	IPCC Second Assessment Report (SAR - 100 year)
HFCs	IPCC Second Assessment Report (SAR - 100 year)
PFCs	IPCC Second Assessment Report (SAR - 100 year)
SF6	IPCC Second Assessment Report (SAR - 100 year)

7.4

Please give the emissions factors you have applied and their origin; alternatively, please attach an Excel spreadsheet with this data

Fuel/Material/Energy	Emission Factor	Unit	Reference
Diesel/Gas 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

Fuel/Material/Energy	Emission Factor	Unit	Reference
			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: Compressed Natural Gas (CNG)	0.12	Other: lbs 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	Other: kg CO2 per gallon	EPA Climate Leaders GHG Inventory Protocol, October 2004
Natural gas	0.12	Other: lbs 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	3656.36	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 (electricity generation)	4289.96	lb CO2 per short ton	EPA Climate Leaders GHG Inventory Protocol, October 2004
Other: Unspecified (industry)	4744.81	lb CO2 per short ton	EPA Climate Leaders GHG Inventory Protocol, October 2004

Fuel/Material/Energy	Emission Factor	Unit	Reference
Wood or wood waste	3135.20	lb CO2 per short ton	EPA Climate Leaders GHG Inventory Protocol, October 2004
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

The 2011 revision of 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 7.3 and 7.4 are also contained within Entergy's GHG Inventory (attached). See the appropriate tabs in the GHG Inventory spreadsheet.

Note regarding Entergy's Scope 2 emissions - Entergy's only category of Scope 2 emissions is power consumed on Entergy's T&D system (line losses and company usage). Emissions from this loss/usage are already accounted for in Entergy's direct emissions and/or purchased power emissions (Scope 3) since the additional generation required to make up for this loss/usage is accounted for in these categories. See Entergy's 2010 GHG Inventory and Inventory Management Plan (both attached) for additional detail.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/7.EmissionsMethodology/Entergy GHG Inventory 2010 030911 VERIFIED.xls
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/7.EmissionsMethodology/ETR-GreenhouseGasInventoryMgtPlan-Rev_031011.doc

Page: 8. Emissions Data - (1 Jan 2010 - 31 Dec 2010)

8.1

Please select the boundary you are using for your Scope 1 and 2 greenhouse gas inventory

Equity share

8.2a

Please provide your gross global Scope 1 emissions figure in metric tonnes CO2e

33967962

8.2b

Please provide your gross global Scope 1 emissions figures in metric tonnes CO2e - Part 1 breakdown

Boundary	Gross global Scope 1 emissions (metric tonnes CO2e)	Comment

8.2c

Please provide your gross global Scope 1 emissions figures in metric tonnes CO2e - Part 1 Total

Gross global Scope 1 emissions (metric tonnes CO2e) - Total Part 1	Comment

8.2d

Please provide your gross global Scope 1 emissions figures in metric tonnes CO2e - Part 2

Gross global Scope 1 emissions (metric tonnes CO2e) - Other operationally controlled entities, activities or facilities	Comment

8.3a

Please provide your gross global Scope 2 emissions figure in metric tonnes CO2e

818706

8.3b

Please provide your gross global Scope 2 emissions figures in metric tonnes CO2e - Part 1 breakdown

Boundary	Gross global Scope 2 emissions (metric tonnes CO2e)	Comment

8.3c

Please provide your gross global Scope 2 emissions figures in metric tonnes CO2e - Part 1 Total

Gross global Scope 2 emissions (metric tonnes CO2e) - Total Part 1	Comment

8.3d

Please provide your gross global Scope 2 emissions figures in metric tonnes CO2e - Part 2

Gross global Scope 2 emissions (metric tonnes CO2e) - Other operationally controlled entities, activities or facilities	Comment

8.4

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

8.4a

Please complete the table

Reporting Entity	Source	Scope	Explain why the source is excluded

8.4

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

No

8.4a

Please complete the table

Source	Scope	Explain why the source is excluded

8.5

Please estimate the level of uncertainty of the total gross global Scope 1 and Scope 2 figures that you have supplied and specify the sources of uncertainty in your data gathering, handling, and calculations

Scope	Uncertainty Range	Main sources of uncertainty	Please expand on the uncertainty in your data
Scope 1	Less than or equal to 2%	Metering/ Measurement Constraints	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. Additionally, during 2010, a third-party conducted a CEMS Program audit on behalf of Entergy to ensure the program is meeting all regulatory and internal requirements. Working with the EPA Climate Leaders program, our company has developed a corporate GHG emissions Inventory

Scope	Uncertainty Range	Main sources of uncertainty	Please expand on the uncertainty in your data
			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. The 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 the IMP is ensuring the credibility of a company's GHG inventory information.
Scope 2	Less than or equal to 2%	Metering/ Measurement Constraints	The primary source of data for Scope 2 emissions is Entergy's measurement of line losses and company usage. Entergy uses power that is generated by the company for supplemental power and at company service and office locations. Additionally, a small percentage of power is consumed on the T&D system through efficiency losses. These Scope 2 emissions are actually accounted for by the additional generation necessary to make up for the loss/usage. Accordingly, these emissions are not added to Entergy's overall emissions inventory, as they are already contained within Entergy's Scope 1 emissions (for self generation) and Scope 3 emissions (for purchased power).

8.6

Please indicate the verification/assurance status that applies to your Scope 1 emissions

Verification or assurance complete

8.6a

Please indicate the proportion of your Scope 1 emissions that are verified/assured

More than 90% but less than or equal to 100%

8.6b

Please provide further details of the verification/assurance undertaken, and attach the relevant statements

Type of verification or assurance	Relevant standard	Relevant statement attached
Verification	Other: WRI/WBCSD GHG Protocol, Corporate	Greenhouse Gas Verification Report: 2010 Greenhouse Gas Inventory -

Type of verification or assurance	Relevant standard	Relevant statement attached
	Accounting and Reporting Standard (2004)	March 9, 2011 by ICF International (attached below)

8.7

Please indicate the verification/assurance status that applies to your Scope 2 emissions

Verification or assurance complete

8.7a

Please indicate the proportion of your Scope 2 emissions that are verified/assured

More than 90% but less than or equal to 100%

8.7b

Please provide further details of the verification/assurance undertaken, and attach the relevant statements

Type of verification or assurance	Relevant standard	Relevant statement attached
Verification	Other: WRI/WBCSD GHG Protocol, Corporate Accounting and Reporting Standard (2004)	Greenhouse Gas Verification Report: 2010 Greenhouse Gas Inventory - March 9, 2011 by ICF International (attached below)

8.8

Are carbon dioxide emissions from the combustion of biologically sequestered carbon (i.e. carbon dioxide emissions from burning biomass/biofuels) relevant to your company?

No

8.8a

Please provide the emissions in metric tonnes CO2e

Further Information

Entergy commissions an independent third-party verification audit of its GHG inventory each year in mid-February. The audit is conducted such that the verified emission information is available for publication in Entergy's Annual Report to Shareholders. In addition to this audit, Entergy, using a third-party, in 2010 conducted an audit of our Continuous Emissions Monitoring System (CEMS) program.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/8.EmissionsData(1Jan2010-31Dec2010)/Entergy 2010 verification - 9 March 2011 - Final report - ICF.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/8.EmissionsData(1Jan2010-31Dec2010)/Entergy GHG Inventory 2010 030911 VERIFIED.xls

Page: 9. Scope 1 Emissions Breakdown - (1 Jan 2010 - 31 Dec 2010)

9.1

Do you have Scope 1 emissions sources in more than one country or region (if covered by emissions regulation at a regional level)?

No

9.1a

Please complete the table below

Country	Scope 1 metric tonnes CO2e

9.2

Please indicate which other Scope 1 emissions breakdowns you are able to provide (tick all that apply)

By business division
By facility
By GHG type
By activity

9.2a

Please break down your total gross global Scope 1 emissions by business division

Business Division	Scope 1 metric tonnes CO2e
Generation (includes Fossil Operations and Nuclear)	33601631
Transmission and Distribution	357179
Corporate	9152

9.2b

Please break down your total gross global Scope 1 emissions by facility

Facility	Scope 1 metric tonnes CO2e
Attala	590119
Baxter Wilson	1623499
Big Cajun 2	1855248
Calcasieu	155142
Cecil Lynch	36220

Facility	Scope 1 metric tonnes CO2e
Gerald Andrus	979907
Harrison County	271728
Harvey Couch	54505
Independence	5664043
Lake Catherine	97363
Lewis Creek	1160540
Little Gypsy	1108857
Michoud	1158306
Ninemile Point	2823167
Ouachita	453959
Perryville	769253
RS Cogen	716177
RS Nelson	3691459
Rex Brown	137213
Sabine	2718335
Sterlington	4297
Waterford	723774
White Bluff	6143522
Willow Glen	309569
Delta	5272
Misc Small Combustion Sources	355432

9.2c

Please break down your total gross global Scope 1 emissions by GHG type

GHG type	Scope 1 metric tonnes CO2e
CO2	33563602
CH4	143386
N20	86011
SF6	165811
HFCs	9152

9.2d

Please break down your total gross global Scope 1 emissions by activity

Activity	Scope 1 metric tonnes CO2e
Stationary Combustion	33601631
Mobile Combustion	58312
Fugitive Emissions	308019

Further Information

Entergy Corporation's operations are limited to the United States of America. Additional detail is available in the attached 2010 GHG Inventory file.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/9.Scope1EmissionsBreakdown(1Jan2010-31Dec2010)/Entergy 2010 verification - 9 March 2011 - Final report - ICF.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/9.Scope1EmissionsBreakdown(1Jan2010-31Dec2010)/Entergy GHG Inventory 2010 030911 VERIFIED.xls

Page: 10. Scope 2 Emissions Breakdown - (1 Jan 2010 - 31 Dec 2010)

10.1

Do you have Scope 2 emissions sources in more than one country or region (if covered by emissions regulation at a regional level)?

No

10.1a

Please complete the table below

Country	Scope 2 metric tonnes CO2e

10.2

Please indicate which other Scope 2 emissions breakdowns you are able to provide (tick all that apply)

By business division

10.2a

Please break down your total gross global Scope 2 emissions by business division

Business division	Scope 2 metric tonnes CO2e
Utility Operations	818706

10.2b

Please break down your total gross global Scope 2 emissions by facility

Facility	Scope 2 metric tonnes CO2e

10.2c

Please break down your total gross global Scope 2 emissions by activity

Activity	Scope 2 metric tonnes CO2e

Further Information

Note regarding Entergy's Scope 2 emissions - Entergy's only category of Scope 2 emissions is power consumed on Entergy's T&D system (line losses). Emissions from this loss/usage are already accounted for in Entergy's direct emissions (Scope 1) and/or purchased power emissions (Scope 3) since the additional generation required to make up for this loss is accounted for in these categories. See Entergy's 2010 GHG Inventory and Inventory Management Plan (both attached) for additional detail.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/10.Scope2EmissionsBreakdown(1Jan2010-31Dec2010)/Entergy GHG Inventory 2010 030911 VERIFIED.xls
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/10.Scope2EmissionsBreakdown(1Jan2010-31Dec2010)/ETR-GreenhouseGasInventoryMgtPlan-Rev_031011.doc
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/10.Scope2EmissionsBreakdown(1Jan2010-31Dec2010)/Entergy 2010 verification - 9 March 2011 - Final report - ICF.pdf

Page: 11. Emissions Scope 2 Contractual

11.1

Do you consider that the grid average factors used to report Scope 2 emissions in Question 8.3 reflect the contractual arrangements you have with electricity suppliers?

Yes

11.1a

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 CO2e

11.1b

Explain the basis of the alternative figure (see guidance)

11.2

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

11.2a

Please provide details including the number and type of certificates

Type of certificate	Number of certificates	Comments
Renewable Energy Certificates	541689	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 2010, Entergy Texas, Inc. secured and retired 541,689 RECs.

Further Information

In the case of controllable purchases (defined in 'Further Information' box of Question 10), 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.

Page: 12. Energy

12.1

What percentage of your total operational spend in the reporting year was on energy?

More than 0% but less than or equal to 5%

12.2

Please state how much fuel, electricity, heat, steam, and cooling in MWh your organization has consumed during the reporting year

Energy type	MWh
Fuel	222300
Electricity	6916000
Heat	0
Steam	0
Cooling	0

12.3

Please complete the table by breaking down the total "Fuel" figure entered above by fuel type

Fuels	MWh
Diesel/Gas oil	204000
Jet gasoline	18300

Further Information

Entergy consumes fuel during the electricity generation process; however, the energy resulting from this fuel consumption is transmitted, distributed and sold to our customers. Therefore, the fuel shown is only fuel burned for our fleet vehicles and corporate aircraft. While other fuel is consumed, the ultimate consumer of the resultant energy is Entergy's customers. The exception to this is electricity consumed by Entergy via transmission and distribution losses and company usage. This total is presented as the Electricity usage above. See Page 37 of Entergy's Statistical Report and Investor Guide for additional detail at http://www.entergy.com/investor_relations/2010_publications.aspx.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/12.Energy/2010_publications[1].aspx

Page: 13. Emissions Performance

13.1

How do your absolute emissions (Scope 1 and 2 combined) for the reporting year compare to the previous year?

Increased

13.1a

Please complete the table

Reason	Emissions value (percentage)	Direction of change	Comment
Change in output	12	Increase	Entergy's GHG emissions depend in a large part on electrical load demand. As Entergy's customers demand more electricity, Entergy adjusts our power generation to meet this demand and required reserve margins. Entergy generated an additional 5 million megawatt-hours of electricity in 2010 when compared to 2009. Entergy's emissions have decreased significantly since 2000 as a result of our early action to stabilize our GHG emissions. After successfully meeting its first commitment in 2005, Entergy made a second voluntary commitment to stabilize CO2 emissions at 20% below 2000 levels through 2010, even as we continue to grow our electric production. On a cumulative basis, we exceeded this target by 3%. Since inception in 2001, the emissions 2001 – 2010 are 14.4% below the 2001 – 2010 stabilization budgets.

13.2

Please describe your gross combined Scope 1 and 2 emissions for the reporting year in metric tonnes CO2e per unit currency total revenue

Intensity figure	Metric numerator	Metric denominator	% change from previous year	Direction of change from previous year	Explanation
3028.1	metric tonnes CO2e	unit total revenue	4	Increase	The financial intensity number shown represents metric tons CO2e of Scope 1 and Scope 2 emissions per U.S. $millions in revenue. Entergy's 2010 Scope 1 and Scope 2 emissions totalled 34,786,668 metric tons. Entergy's 2010 operating revenues totalled US$11,488,000,000. In previous years, purchased power was included as Scope 2; however, since this power is not consumed by Entergy, but by its customers, this is more accurately described as a Scope 3 emission. This approach is consistent with the GHG protocols used by Entergy and our consultation with subject matter experts, including our third-party verification consultant. Therefore, this has been removed from the calculation. The revised intensity number for 2009 is 2896.7 metric tons CO2e per US$ million in revenue. Entergy's GHG emissions depend in a large part on electrical load demand. As Entergy's customers demand more electricity, Entergy adjusts our power generation to meet this demand and required reserve margins. Entergy generated an additional 5 million megawatt-hours of electricity in 2010 when compared to 2009. Entergy's emissions have decreased significantly since 2000 as a result of our early action to stabilize our GHG emissions. After successfully meeting its first commitment in 2005, Entergy made a second voluntary commitment to stabilize CO2 emissions at 20% below 2000 levels through 2010, even as we continue to grow our electric production. On a cumulative basis, we beat this target by 3%. Since inception in 2001, the emissions 2001 – 2010 are 14.4% below the 2001 – 2010 stabilization budget.

13.3

Please describe your gross combined Scope 1 and 2 emissions for the reporting year in metric tonnes CO2e per full time equivalent (FTE) employee

Intensity figure	Metric numerator	Metric denominator	% change from previous year	Direction of change from previous year	Explanation
2325.6	metric tonnes CO2e	FTE Employee	13	Increase	The 'number of employees' intensity number shown represents metric tons CO2e of Scope 1 and Scope 2 emissions per FTE employees. Entergy's 2010 Scope 1 and Scope 2 emissions totalled 34,786,668 metric tons. At the end of 2010, Entergy employed 14,958 people. In previous years, purchased power was included as Scope 2; however, since this

Intensity figure	Metric numerator	Metric denominator	% change from previous year	Direction of change from previous year	Explanation
					power is not consumed by Entergy, but by its customers, this is more accurately described as a Scope 3 emission. This approach is consistent with the GHG protocols used by Entergy and our consultation with subject matter experts, including our third-party verification consultant. Therefore, this has been removed from the calculation. This particular metric is not one that Entergy has historically calculated; however, the intensity metric for 2009 is 2050.5 metric tons GHG emissions per employee. Entergy's GHG emissions depend in a large part on electrical load demand. As Entergy's customers demand more electricity, Entergy adjusts our power generation to meet this demand and required reserve margins. Entergy generated an additional 5 million megawatt-hours of electricity in 2010 when compared to 2009. Entergy's emissions have decreased significantly since 2000 as a result of our early action to stabilize our GHG emissions. After successfully meeting its first commitment in 2005, Entergy made a second voluntary commitment to stabilize CO2 emissions at 20% below 2000 levels through 2010, even as we continue to grow our electric production. On a cumulative basis, we bettered this target by 3%. Since inception in 2001, the emissions 2001 – 2010 are 14.4% below the 2001 – 2010 stabilization budget.

13.4

Please provide an additional intensity (normalized) metric that is appropriate to your business operations

Intensity figure	Metric numerator	Metric denominator	% change from previous year	Direction of change from previous year	Explanation
0.27	metric tonnes CO2e	megawatt hour (MWh)	8	Increase	The best activity emissions intensity measurement for Entergy is metric tons of CO2e of Scope 1 and Scope 2 emissions per megawatt-hour of electric generation. Entergy's Scope 1 and Scope 2 emissions totalled 33,967,962 metric tons. Entergy's 2010 electric generation totalled 124,386,537 megawatt hours. In previous years, purchased power was included as Scope 2; however, since this power is not consumed by Entergy, but by its customers, this is more accurately described as a Scope 3 emission. This approach is consistent with the GHG protocols used by Entergy and our consultation with subject matter experts, including our third-party verification consultant. Therefore, this has been

Intensity figure	Metric numerator	Metric denominator	% change from previous year	Direction of change from previous year	Explanation
					removed from the calculation. The revised intensity number for 2009 is 0.25 metric tons CO2e per megawatt-hour. Entergy's GHG emissions depend in a large part on electrical load demand. As Entergy's customers demand more electricity, Entergy adjusts our power generation to meet this demand and required reserve margins. Entergy generated an additional 5 million megawatt-hours of electricity in 2010 when compared to 2009. Entergy's emissions have decreased significantly since 2000 as a result of our early action to stabilize our GHG emissions. After successfully meeting its first commitment in 2005, Entergy made a second voluntary commitment to stabilize CO2 emissions at 20% below 2000 levels through 2010, even as we continue to grow our electric production. On a cumulative basis, we bettered this target by 3%. Since inception in 2001, the emissions 2001 – 2010 are 14.4% below the 2001 – 2010 stabilization budget.

Further Information

See documents and websites attached for additional information on the items described in this question.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/13.EmissionsPerformance/2010_publications[2].aspx
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/13.EmissionsPerformance/2010_Annual_Report.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/13.EmissionsPerformance/2010 Entergy Sustainability Report FINAL.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/13.EmissionsPerformance/Entergy GHG Inventory 2010 030911 VERIFIED.xls

Page: 14. Emissions Trading

14.1

Do you participate in any emission trading schemes?

No, and we do not currently anticipate doing so in the next two years

14.1a

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 in metric tonnes CO2e	Details of ownership

14.1b

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

14.2

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

Yes

14.2a

Please complete the following table

Credit origination or credit purchase	Project type	Project identification	Verified to which standard	Number of credits (metric tonnes of CO2e)	Number of credits (metric tonnes CO2e): Risk adjusted volume	Credits retired	Purpose e.g. compliance
Credit Purchase	Landfill gas	During 2010, Entergy purchased 34,812 tons of greenhouse gas reduction credits from New York's largest non-hazardous solid waste facility. The credits were generated from the capture and destruction of methane, a by-product of waste decomposition. Seneca Meadows, Inc. (SMI), owns and operates the waste facility, which is located in Waterloo, NY and manages an average of 6,000 tons of waste per day. SMI captures methane from its waste through a highly-engineered collection system at their facility. The project verification statement is attached below and additional information is attached below and can be found at http://www.americancarbonregistry.org/carbon-registry/projects/seneca-meadows-landfill-expansion The project was verified to the following standards - American Carbon Registry Standard, Version 2.0, February 2010 (ACR Standard); Climate Leaders Greenhouse Gas Inventory Protocol Offset Project Methodology for Project Type: Landfill Methane Collection and Combustion, Version 1.3, August 2008 (Climate Leaders Protocol). All of Entergy's offset projects and holdings can be viewed at www.americancarbonregistry.org.	Other: American Carbon Registry Standard, Version 2.0, Feb 2010	34812	34812	No	Voluntary Offsetting

Further Information

See document and website attached for additional information on the items described in this question.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/14.EmissionsTrading/Seneca_Meadows_Verification_Report_May_1-_2010-July_31-2010.pdf
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/14.EmissionsTrading/accounts[1]

Page: 15. Scope 3 Emissions

15.1

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

Sources of Scope 3 emissions	metric tonnes CO2e	Methodology	If you cannot provide a figure for emissions, please describe them
Supplier emissions	7212592	Calculated using US EPA Climate Leaders: Indirect Emissions from Purchases/Sales of Electricity and Steam. These supplier emissions originate from power purchases known as "Controllable". This category of purchases includes those for which the generating unit is known. Entergy has calculated this emission category based on actual power purchase data and unit-specific emission factors from EPA's eGRID database, when available.	Not applicable
Supplier emissions	7420124	Calculated using US EPA Climate Leaders: Indirect Emissions from Purchases/Sales of Electricity and Steam. These supplier emissions originate from power purchases known as "Non-Controllable". This category of purchases includes those for which the generating unit is either unknown or Entergy is required to take the energy produced. Entergy has calculated this emission category based on actual power purchase data and grid-level emission factors from EPA's eGRID database.	Not applicable

15.2

Please indicate the verification/assurance status that applies to your Scope 3 emissions

Verification or assurance complete

15.2a

Please indicate the proportion of your Scope 3 emissions that are verified/assured

More than 90% but less than or equal to 100%

15.2b

Please provide further details of the verification/assurance undertaken, and attach the relevant statements

Type of verification or assurance	Relevant standard	Relevant statement attached
Verification	Other: WRI/WBCSD GHG Protocol, Corporate Accounting and Reporting Standard (2004)	Greenhouse Gas Verification Report: 2010 Greenhouse Gas Inventory - March 9, 2011 by ICF International (attached below)

15.3

How do your absolute Scope 3 emissions for the reporting year compare to the previous year?

Increased

15.3a

Please complete the table

Reason	Emissions value (percentage)	Direction of Change	Comment
Other: Additional power purchases	14.86	Increase	Entergy purchases electrical power that is used to support grid operations and meet customer load demands from third parties. The proportion of power that Entergy purchases has been increasing when compared to the power that Entergy self-generates. Emissions in this category were 12,457,565 metric tons in 2009, so the 2010 emissions of 14,632,716 metric tons represent a 14.86% increase. During 2010, Entergy's electricity sales, peak demand and retail customers all increased when compared to 2009. The emissions associated with this purchased power are Scope 3 for Entergy since it is neither directly emitted by an Entergy-owned asset, nor is it consumed by Entergy. This power is transmitted and distributed through Entergy's systems to our customers. Entergy's customers actually consume this energy.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/15.Scope3Emissions/Entergy GHG Inventory 2010 030911 VERIFIED.xls
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/15.Scope3Emissions/Entergy 2010 verification - 9 March 2011 - Final report - ICF.pdf

Module: Electric utilities

Page: 2011-Investor-Electrical 1 Reporting Years

EU0.1

Reference dates
Please enter the dates for the periods for which you will be providing data. The years given as column headings in subsequent tables correspond to the "year ending" dates selected below. It is requested that you report emissions for: (i) the current reporting year; (ii) one other year of historical data (i.e. before the current reporting year); and, (iii) one year of forecasted data (beyond 2015 if possible).

Year ending	Date range
2006	Sun 01 Jan 2006 - Sun 31 Dec 2006
2007	Mon 01 Jan 2007 - Mon 31 Dec 2007
2008	Tue 01 Jan 2008 - Wed 31 Dec 2008
2009	Thu 01 Jan 2009 - Thu 31 Dec 2009
2010	Fri 01 Jan 2010 - Fri 31 Dec 2010

Page: 2011-Investor-Electrical 2 GlobalTotalByYear

EU1.1

In each column, please give a total figure for all the countries for which you will be providing data for the “year ending” periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO2e)	Emission intensity (metric tonnes CO2e/MWh)
2006	27530	109694	28357300	0.26
2007	28727	117859	31730166	0.27
2008	28429	120101	32349135	0.27
2009	27992	119933	29578573	0.25
2010	27441	124387	33150308	0.27
2011	28021			
2012	28675			
2013	28487			

Further Information

See Entergy's 2010 Statistical Report and Investor Guide for additional detail [http://www.entergy.com/investor_relations/2010_publications.aspx]. Nameplate capacity equals owned & leased capability from Statistical Report [p7]. Production number shown equals Utility Total Net Generation [p36] plus Non-Utility Nuclear GWh billed [p53]. Absolute emissions equal the emissions from power generation units only (see 2010 GHG Inventory).

Projections only provided for nameplate capacity - projections for other metrics are not public.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/EU1Globaltotalsbyyear/Entergy GHG Inventory 2010 030911 VERIFIED.xls
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/EU1Globaltotalsbyyear/2010_publications[1].aspx
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/EU1Globaltotalsbyyear/Entergy 2010 verification - 9 March 2011 - Final report - ICF.pdf

EU2.1

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

Coal - Hard
Nuclear
Hydro
Other renewables
Other

Coal - Hard

Please complete the following table for the "year ending" periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO2e)	Emission intensity (metric tonnes CO2e/MWh)
2006	2426	14383	15800044	1.10
2007	2422	15035	15951152	1.06
2008	2440	15648	16342563	1.04
2009	2441	15101	15688576	1.04
2010	2442	15616	16424290	1.05
2011	2442			
2012	2442			
2013	2442			

Lignite

Please complete the following table for the "year ending" periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO2e)	Emission intensity (metric tonnes CO2e/MWh)

Oil & gas (excluding CCGT)

Please complete the following table for the "year ending" periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO2e)	Emissions intensity (metric tonnes CO2e/MWh)

CCGT

Please complete the following table for the “year ending” periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO2e)	Emissions intensity (metric tonnes CO2e/MWh)

Nuclear

Please complete the following table for the "year ending" periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)
2006	9314	76534
2007	10104	78558
2008	10116	79704

Year ending	Nameplate capacity (MW)	Production (GWh)
2009	10124	82832
2010	10101	81994
2011	10101	
2012	10261	
2013	10261	

Waste

Please complete the following table for the "year ending" periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO2e)	Emissions intensity (metric tonnes CO2e/MWh)

Hydro

Please complete the following table for the "year ending" periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)
2006	70	74
2007	70	135
2008	70	197
2009	70	233
2010	74	139
2011	74	
2012	74	
2013	74	

Other renewables

Please complete the following table for the "year ending" periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)
2006	80	443
2007	80	442
2008	80	469
2009	80	381
2010	80	369
2011	80	
2012	80	
2013	80	

Other

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO2e)	Emissions intensity (metric tonnes CO2e/MWh)
2006	15640	18703	12557257	0.67
2007	16051	24131	15779014	0.65
2008	15723	24552	16006572	0.65
2009	15277	21767	13889966	0.64
2010	14744	26637	16726018	0.62
2011	15324			
2012	15818			
2013	15630			

Solid biomass

Please complete for the "year ending" periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO2e)	Emission intensity(metric tonnes of CO2e/MWh)

Total thermal including solid biomass

Please complete for the "year ending" periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO2e)	Emission intensity (metric tonnes CO2e/MWh)

Total figures for this country
Please enter total figures for this country for the "year ending" periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes in CO2e)	Emission intensity (metric tonnes CO2e/MWh)
2006	27530	109694	28357300	0.26
2007	28727	117859	31730166	0.27
2008	28429	120101	32349135	0.27
2009	27992	119933	29578573	0.25
2010	27441	124387	33150308	0.27
2011	28021			
2012	28675			
2013	28487			

Further Information

Other above includes Gas, Oil and CCGT - consolidated number only available for these sources.

See Entergy's 2010 Statistical Report and Investor Guide for additional detail [http://www.entergy.com/investor_relations/2010_publications.aspx].

Projections only provided for nameplate capacity - projections for other metrics are not public.

Attachments

https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/EU2Individualcountryprofiles-UnitedStatesofAmerica/Entergy GHG Inventory 2010 030911 VERIFIED.xls
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/EU2Individualcountryprofiles-UnitedStatesofAmerica/2010_publications[2].aspx
https://www.cdproject.net/Sites/2011/53/5653/Investor CDP 2011/Shared Documents/Attachments/InvestorCDP2011/EU2Individualcountryprofiles-UnitedStatesofAmerica/Entergy 2010 verification - 9 March 2011 - Final report - ICF.pdf

Page: 2011-Investor-EU3 Renewable electricity sourcing regulations

EU3.1

In certain countries, e.g. Italy, the UK, the USA, electricity suppliers are required by regulation to incorporate a certain amount of renewable electricity in their energy mix. Is your company subject to such regulatory requirements?

Yes

EU3.1a

Please provide the scheme name, the regulatory obligation in terms of the percentage of renewable electricity sourced (both current and future obligations) and give your position in relation to meeting the required percentages

Scheme name	Current % obligation	Future % obligation	Date of future obligation	Position in relation to meeting obligations
Other: Texas Renewable Portfolio Standard (RPS)			2015	Texas presents its RPS not as a percentage, but rather as a capacity goal. The 2005 Texas Legislature set the state's total renewable energy mandate to 5,550 MW by 2015, 10,000 MW in 2025. Each provider is required to obtain new renewable energy capacity based on the their market share of energy sales times the renewable capacity goal. In 2010, Entergy secured and retired 541,689 renewable energy credits to comply with this mandate.

Further Information

See State Energy Conservation Office website [http://www.seco.cpa.state.tx.us/re_rps-portfolio.htm] for additional details.

Page: 2011-Investor-EU4 Renewable electricity development

EU4.1

Please give the contribution of renewable electricity to your company's EBITDA (Earnings Before Interest, Tax, Depreciation and Amortisation) in the current reporting year in either monetary terms or as a percentage

Please give:	Monetary figure	%	Comment
Renewable electricity's contribution to EBITDA			Entergy is in a Joint Venture with Shell Wind named Top Deer Wind Venture. Entergy owns 50% of this JV - equivalent to 80 megawatts of wind generation capacity. Entergy does not report on the wind JV seperately.

EU4.2

Please give the projected contribution of renewable electricity to your company's EBITDA at a given point in the future in either monetary terms or as a percentage

Please give:	Monetary figure	%	Year ending	Comment

Please give:	Monetary figure	%	Year ending	Comment
Renewable electricity's contribution to EBITDA				Entergy does not report on the wind JV seperately.

EU4.3

Please give capital expenditure (capex) planned for the development of renewable electricity capacity in monetary terms and as a percentage of total capex planned for power generation in the current capex plan

Please give:	Monetary figure	%	End year of capex plan	Comment
Capex planned for renewable electricity development				Entergy currently has no capex planned for renewable electricity development. Entergy's activities in renewables include management of our existing wind and hydro assets, as well as purchasing renewable power for the utility portion of our business. Entergy also issued an RFP for renewable generation sources in our service territory in late 2010 in response to a pilot program approved by the Louisiana Public Service Commission. The company received many applications and plans to announce primary and secondary awards during 2011 to bring additional renewable energy generation to our power purchases by 2014. Given the fact that Entergy is primarily a regulated electric utility with five jurisdictional commissions, we are not able to unilaterally invest in and receive recovery for generation sources not deemed "prudent" by the commissions. This is further exacerbated by the socio-economic conditions within the five jurisdictions (Arkansas, Louisiana, Mississippi, Texas and New Orleans). All four states served by the Entergy utility operating companies rank among the top 10 states with the highest poverty rates.

Module: Sign Off

Page: Sign Off

Please enter the name of the individual that has signed off (approved) the response and their job title

Gary F Serio, Ph.D.
Vice President, Safety & Environment