2014 GRI Content Index

TABLE OF CONTENTS

STRATEGY AND ANALYSIS 2

ORGANIZATIONAL PROFILE 2

IDENTIFIED MATERIAL ASPECTS AND BOUNDARIES 4

STAKEHOLDER ENGAGEMENT 5

REPORT PROFILE 5

GOVERNANCE 6

ETHICS AND INTEGRITY 8

CATEGORY: ECONOMIC 9

CATEGORY: ENVIRONMENTAL 10

- ENERGY 17
- WATER 12
- BIODIVERSITY 12
- EMISSIONS 14
- WASTE 15
- COMPLIANCE 16

CATEGORY: SOCIAL 17

- EMPLOYMENT 17
- OCCUPATIONAL HEALTH & SAFETY 17
- TRAINING & EDUCATION 18
- DIVERSITY & EQUAL OPPORTUNITY 18
- LOCAL COMMUNITIES 18

GENERAL STANDARD DISCLOSURES FOR THE ELECTRIC UTILITY SECTOR 19

STRATEGY AND ANALYSIS

Indicator	Description	Response/Reference
G4-1	Statement from senior management	See letter from NRG's Chief Executive Officer, David Crane and Chief Sustainability Officer, Leah Seligmann on p. 1-2 and p. 3-4, respectively, of NRG's 2014 Sustainability Report.
G4-2	Description of key impacts, risks, and opportunities.	Vision Strategy NRG's 2014 10k page 8, 45

ORGANIZATIONAL PROFILE

Indicator	Description	Response/Reference
G4-3	Name of the organization	NRG Energy, Inc.
G4-4	Primary brands, products, and services	NRG Home. NRG Business NRG Renew
G4-5	Location of organization's headquarters	Princeton, New Jersey, United States
G4-6	Number and name of countries where the organization operates	United States, Australia, Turkey
G4-7	Nature of ownership and legal form	NRG Energy, Inc. is an investor-owned corporation trading on the New York Stock Exchange under the ticker NRG. NRG is also listed on the S&P 500.
G4-8	Nature of markets served (including geographic breakdown, sectors served, and types of beneficiaries)	NRG conducts business in all 50 states and D.C. including Guam and Necker Island. See NRG's 2014 10k for details.
G4-9	Scale of the reporting organization (employees, operations, net sales, capitalization, quantity of products/services)	As of Dec. 31, 2014, NRG had 9,806 employees. NRG reported 2014 total revenue of $15.9 billion For more information on our financial and operational scale, please see our full-year 2014 earnings release as well as our 2014 Year in Review
G4-10	Total workforce by employment type, employment contract, and region, broken down by gender	NRG 2014 Sustainability Report pages 21-23

G4-11	Percentage of employees covered by collective bargaining agreements	Approximately 31% covered by U.S. bargaining agreements
G4-12	Describe supply chain	NRG 2014 Sustainability Report pages 43-45
G4-13	Significant changes from previous report regarding size, structure, and ownership	Please refer to NRG's 2014 10k pages 8-12
G4-14	Explanation of whether and how the precautionary approach or principle is addressed by the organization	Risks are assessed by NRG's Risk department and by department heads without specific reference to the precautionary principle. However, NRG has programs and policies in place to proactively assess climate change and other principle is addressed by the organization environmental sensitivities.
G4-15	External charters, principles, initiatives	Please refer to 2014 NRG 10k
G4-16	Memberships in associations	Electric Research Power Institute (EPRI). Please also refer to 2014 NRG 10k

IDENTIFIED MATERIAL ASPECTS AND BOUNDARIES

Indicator	Description	Response/Reference
G4-17	Entities included in financial statements, and specify which are included/excluded from this report.	NRG 2014 Sustainability Report page 49
G4-18	Process for defining report content and aspect boundaries	NRG 2014 Sustainability Report page 49
G4-19	List all the material Aspects identified in the process for defining report content.	NRG 2014 Sustainability Report page 49
G4-20	Boundary of the report within the organization	Each aspect is material within the organization
G4-21	Boundary of the report outside the organization	Material aspects discussed in this report are material to the majority of our stakeholders. Stakeholders include, but are not limited to, local communities, vendors, governments, shareholders, customers, corporate partners and NGOs. All stakeholders mentioned represent a broad geographic location rather than specific areas
G4-22	Explanation of the effect of any re-statements of information provided in earlier reports	As stated on page 49 of the NRG 2014 Sustainability Report, the report covers NRG corporate performance for all operations from NRG Energy, Inc. as well as its affiliates which included assets owned by NRG Energy Inc. and NRG Yield, Inc. Best efforts were made to include relevant data for companies acquired by NRG during FY14 from the date when these entities officially became part of NRG, though varying levels of data collection and reporting mechanisms means that some small gaps may exist.
G4-23	Significant changes from previous reporting periods in the scope, boundary, or measurement methods applied in the report	The information in this report covers NRG Energy Inc. and its affiliates. Acquisitions and new businesses are accounted for.

STAKEHOLDER ENGAGEMENT

Indicator	Description	Response/Reference
G4-24	List of stakeholder groups engaged by the organization	• Investors & Risk Assessors: Banks, Insurers, Acquirers, Shareholders • Rule-makers and Watchdogs: NGOs, Plaintiff's Bar, Regulators, Politicians, Media, Industry Associations • Business and Competitors: CEO Peers, Suppliers, Competitors, Partners • Customer and Community: Employees, Communities, The Future (Youth), Customers
G4-25	Basis for identification and selection of stakeholders with whom to engage	Each business unit within NRG has a set of stakeholders they primarily engage with. These are identified by material issues and conversations needed for conducting business operations and complying with regulations. In 2013 NRG conducted a materiality analysis with a 3rd party including a stakeholder map. Stakeholder priorities are constantly being assessed given internal and external changes in business operations. Ex. Supplier Selection: NRG 2014 Sustainability Report pages 43-45
G4-26	Approaches to stakeholder engagement, including frequency of engagement by type and by stakeholder group	Each business unit within NRG has a set of stakeholders they primarily engage with. These are identified by material issues and conversations needed for conducting business operations and complying with regulations. Engagement activities include keynote presentations, interviews, conferences and participation in working groups. Frequency in each of these activities varies throughout the year, but NRG strives to maintain multiple lines of communication.
G4-27	Key topics and concerns that have been raised through stakeholder engagement, and how the organization has responded to those key topics and concerns	Wildlife management: NRG 2014 Sustainability Report page 41 and 2014 NRG 10k

REPORT PROFILE

Indicator	Description	Response/Reference
G4-28	Reporting Period	Jan. 1, 2014, to Dec. 31, 2014
G4-29	Date of most recent previous report	June 2014
G4-30	Reporting Cycle	Annual
G4-31	Contact information	Sustainability@nrg.com
G4-32	"In accordance" option and location of the GRI content index	This report contains Standard Disclosures from the GRI Sustainability Reporting Guidelines. NRG is transitioning to the G4 Guidelines for reporting and has attempted

		to report "In accordance – Core," however, not all core indicators have been reported on for this reporting cycle. 2014 NRG GRI Index
G4-33	Assurance	NRG has chosen to voluntarily report on our corporate responsibility performance and has designed processes to collect and/or estimate, assess and report on this data. NRG management is responsible for the completeness, accuracy and validity of the information contained in this report. We've engaged a nationally recognized and registered public accounting firm to provide a limited assurance of our emissions inventory. Details of the statement of assurance can be found here: NRG 2014 Sustainability Report page 51-52

GOVERNANCE

Indicator	Description	Response/Reference
G4-34	Governance structure of the organization, including committees under the highest governance body responsible for specific tasks, such as setting strategy or organizational oversight	Corporate Governance
G4-35	Details on the process for delegating authority for economic, environmental and social topics from the highest governance body to senior executives and other employees.	NRG's president and CEO, David Crane, has overall responsibility for the company's climate change strategy. From a policy perspective, Steve Corneli, NRG's senior vice president (SVP) of Policy, Strategy and Sustainability, is responsible for the development of NRG's climate change policy positions and coordination between policy and commercial initiatives. NRG uses an executive-level policy council to facilitate this policy and commercial coordination process. The council includes NRG's SVP of Policy, Strategy & Sustainability, EVP and General Counsel, who oversees regulatory and government affairs, the Chief Operating Officer, and the VP of environmental operations. NRG's board of directors is regularly updated by management regarding the company's initiatives related to climate change, climate change risks, financial implications and strategy.
G4-36	Details on whether the organization has appointed an executive-level position or positions with responsibility for economic, environmental and social topics, and whether post holders report directly to the highest governance body.	Leah Seligmann is the Chief Sustainability Officer of NRG Energy, Inc. She reports to the Chief Operating Officer and the Chief Administrative Officer. In 2013, NRG launched a company-wide initiative to re-evaluate and refocus its sustainability strategy. To ensure executive and operational buy-in, NRG assembled a

		sustainability steering committee comprised of top executives to guide the development, integration and implementation of our strategy, and created a robust sustainability department team to manage our day-to-day sustainability efforts. In 2014, this committee led several corporate sustainability programs, including two major sustainability initiatives; first, NRG announced ambitious, company-wide, absolute carbon reduction goals, and second, NRG unveiled the plans for its brand new sustainable headquarters, scheduled to open in Princeton Q1 2016.
G4-38	Composition of the highest governance body and its committees	Corporate Governance Board Composition
G4-39	Details on whether the Chair of the highest governance body is also an executive officer (and, if so, his or her function within the organization's management and the reasons for this arrangement)	The Chairman is a non-executive and independent. Since the Company's emergence from bankruptcy in December 2003, NRG's governance structure has been led by a separate Chief Executive Officer and Chairman of the Board.
G4-40	Nomination and selection processes for the highest governance body and its committees, and the criteria used for nominating and selecting highest governance body members	Governance & Nominating Committee
G4-41	Processes for the highest governance body to ensure conflicts of interest are avoided and managed	Governance & Nominating Committee
G4-42	Highest governance body's and senior executives' roles in the development, approval, and updating of the organization's purpose, value or mission statements, strategies, policies, and goals related to economic, environmental and social impacts.	The Senior Vice President and Chief Compliance Officer of NRG is responsible for implementing the Compliance program and provides annual reports to the Board of Directors, and provides reports to the Audit Committee at least quarterly. The NRG Energy Code of Conduct ("the Code") enables everyone to become unified around this common set of values, and to understand how they may be applied in our day-to-day activities and decisions. Each year, all board members, employees, both represented and non-represented, are trained in the Code of Conduct. Additionally, each year the board and employees alike must certify that they have read, understood, and will abide by the Code and report any violations of the Code. A Supplier Code of Conduct, very similar to NRG's Code of Conduct, is in place and is required to be referenced in the master services agreement with all vendors.

ETHICS AND INTEGRITY

Indicator	Description	Response/Reference
G4-56	Organization's values, principles, standards and norms of behavior such as codes of conduct and codes of ethics	The highest governance body's and senior executives' roles in the development, approval, and updating of the organization's value statements is covered under G4-42. For additional detail, see The NRG Energy Code of Conduct.
G4-57	Internal and external mechanisms for seeking advice on ethical and lawful behavior, and matters related to organizational integrity, such as helplines or advice lines.	The Compliance Organization is responsible for reviewing all concerns and questions reported to the organization, as well as selected matters referred from NRG businesses or corporate functions (e.g., Internal Audit, Risk, or Human Resources). The guidance for seeking assistance in answering questions or concerns is provided on posters located in break rooms or common areas at all NRG buildings, on multiple floors. Guidance is also provided within the Code of Conduct and the annual Code of Conduct training. Identical guidance is reflected on the Compliance page on the company's intranet. Additionally, presentations by Corporate Compliance are given periodically at various NRG facilities, businesses, and to new acquisitions, which include guidance on reporting concerns.
G4-58	Internal and external mechanisms for reporting concerns about unethical or unlawful behavior, and matters related to organizational integrity, such as escalation through line management, whistleblowing mechanisms or hotlines.	See response for G4-57. The Compliance organization manages all cases brought to its attention and will either investigate or request investigation by subject matter experts such as Safety, Environmental, Human Resources, Legal, etc. All callers are provided with feedback at the end of the investigation (e.g., we were able to substantiate your allegations and took appropriate actions).

CATEGORY: ECONOMIC

DMA	Economic performance is material to NRG because as a publicly held company, we have a responsibility to our shareholders to remain financially viable and endure into the future. NRG's business strategy, summarized in "Enhance Generation, Expand Retail and Go Green while engaging in Smart Capital Allocation" is to maximize stockholder value through the production and sale of safe, reliable and affordable power to its customers in the markets served by NRG, while aggressively positioning NRG to meet the market's increasing demand for sustainable, low carbon and portable energy solutions individualized for the benefit of the end use energy consumer. For more information please see 2014 NRG 10k

ASPECT: ECONOMIC PERFORMANCE

Indicator	Description	Response/Reference
DMA		Please refer to 2014 NRG 10k and the Investor section of the NRG website.
G4-EC1	Direct economic value generated and distributed	For revenue, operating expenses, and total employees, see NRG's 2014 Annual Report, pages 61, 63 & 34 (respectively).
G4-EC2	Financial implications and other risks and opportunities for the organization's activities due to climate change	2014 NRG 10k page 45
G4-EC3	Coverage of the organization's defined benefit plan obligations	NRG believes this to be proprietary information and does not disclose at this time.
G4-EC4	Financial assistance received from government	NRG believes this to have confidentiality issues and does not report this information to GRI at this time.
G4-EC5	Ratios of standard entry level wage by gender compared to local minimum wage at significant locations of operation	NRG does not report this information to GRI at this time.
G4-EC6	Proportion of senior management hired from the local community at significant locations of operation	NRG does not report this information to GRI at this time.
G4-EC7	Development and impact of infrastructure investments and services supported	2014 NRG Sustainability Report pages 29-32
G4-EC8	Significant indirect economic impacts, including the extent of impacts	NRG does not report this information to GRI at this time.

CATEGORY: ENVIRONMENTAL

DMA	Our sustainability strategy is built on several key principles and goals. Focusing on these essential parts of our strategy enables us to serve our customers, our investors, our key stakeholders and the environment. As one of the largest power producers in the United States NRG acknowledges our role to lead the path toward a clean energy future while reducing our carbon substantial emissions. To the end, in 2014 NRG announced our long-term carbon reduction goals. NRG has always sought to comply with all environmental regulations and work with stakeholders across our value chain. Our focus areas in environmental include energy, biodiversity, water, emissions and effluents and waste. The VP of Environment oversees the management of NRG's environmental programs with local responsibilities assigned to plant and facility personnel, while collaborating across the organization to ensure that environmental sustainability is embedded in our organization. Please refer to the NRG 2014 Sustainability Report pages 33-38.	
ASPECT: ENERGY		
Indicator	**Description**	**Response/Reference**
G4-DMA	Energy is material to NRG based on our 2013 materiality assessment. NRG is one of the largest independent power producers in the United States, and as a company that seeks to be as environmentally responsible as possible; we must do our part in reducing and avoiding energy use. We engage in various energy efficiency improvements across our operations and fleet, like lighting retrofits, building control upgrades and behavior change initiatives. At the new NRG headquarters in Princeton, NJ this three-floor, 130,000 square foot "ultra-green" building is being built around a host of renewable and high-efficiency technologies. NRG evaluates its management approach in this aspect through our annual public reporting of this data. NRG 2014 Sustainability Report pages 33-38.	
G4-EN3	Energy consumption within the organization	NRG's 2014 station service (energy consumption) for the fossil fleet was 6.4 TWh or 6% of gross generation. Station service for the coal fleet was 5.5 TWh, 7% of gross generation, and the oil/gas fleet used 0.9 TWh, 3% of generation. NRG consumed 58.4 million US tons of coal domestically in 2014, which was made up of Power River Basin, Lignite, Appalachian, and Waste coal. NRG Oil and Gas plants consumed 1.8 million barrels of oil and 242.5 million MCF of gas in 2014. Gas volume does not include any thermal facilities or retail gas. a. Total Fuel Consumption from Non-renewables (Kjl): Coal - 1.22E+15, Natural Gas - 3.06E+14, Kerosene - 7.53E+11, FO2 - 3.75E+12, FO6 - 8.12E+12, E85 Ethanol - 6.164E+09, Gasoline - 4.446E+10, LNG - 1.30E+7, LPG - 1.370E+09,Diesel - 1.831E+11. b. Total Fuel Consumption Renewables (Kjl): Bio-diesel - 9.561E+09, Ethanol - 5.495E+08. c. Total Electricity Consumed – 2.03E+6 Kjl d. Total Electricity Sold - 4.86648E+14 Kjl; Total Steam Sold – 2.60169E+12 Kjl; Total Cooling Sold – 1.18532E+12 Kjl e. Total Energy Consumption (Kjl) - 1.052E+15 (a+b+c-d) f. Total fuel consumption used a combination of three recognized GHG determination spreadsheet tools: the Chicago Climate Exchange Spreadsheet is used for determining unit by unit CO2e emission (i.e. CO2, N2O and CH4) from generation for up to three different heat inputs or by CEMs inputs (gathered either from EPA's CAMD web site or our internal generation data base) and N2O and CH4 factors and Carbon and Oxidation Factors are updated with the latest values from the Federal Code; on and of road mobile emissions are calculated using the latest version of the Greenhouse Gas Protocol's Mobile Emission GHG Mobile Emission Calculating Tool (Version 2.5) using data gathered from facilities; and finally the consumed electricity is gathered from each facility and tallied using EPA's Climate Leadership Simplified GHG Calculator (Version 3.2). Standard btu to joule and kwh to

		joule conversion factors were used to standardize the energy units. Heat rates for the various fuels were taken from the EPA's Simplified GHG Reporting Tool when available and from various charts on the web site www.EngineeringToolBox.com if not specifically covered. g. Conversion factors were taken either from EPA's Climate Leader Simplified GHG Calculator or from the following web site: www.RapidTables.com (which allows you to convert to different energy units with the click of a button).
G4-EN4	Energy consumption outside of the organization	a. Total Energy Consumed outside the organization – Air Travel – 7.15E+10 Kjl; Rental Cars - 1.31E+09 Kjl; Personal Mileage - 2.03E+10 Kjl; Hotel Nights - 3.49E+09 Kjl. b. Air Travel energy was back calculated from CO2 totals provided by EPA's Climate Leader Simplified GHG Calculator and then assuming jet fuel had a similar CO2 emission factor as kerosene (included in EPA's Climate Leader Simplified GHG Calculator) and came up with total mmBTUs which were then converted to Kjl; for rental cars we had both the total gallons of fuel and CO2 produced from the Travel Agent and used the gallon of gasoline along with the gasoline heat rate to calculate mmBTUs which were then converted into Kjl; for mileage had calculated the total CO2 tonnage based on miles driven and then took that value to back calculate the number of gallons of gasoline needed to produce that amount of CO2 based on the emission factor in the Simplified GHG Calculator and then multiplied that time heat rate per gallon of gasoline to get mmBTUs, which were then converted to Kjl; Hotel night stays were back calculated by using the estimated CO2 produced from all the stays and converting that into electricity (MWh) use that would be needed to produce that amount of CO2 based on the US average in the Simplified GHG Calculator and then converted to Kjl. c. Conversion factors were taken either from EPA's Climate Leader Simplified GHG Calculator or from the following web site: www.RapidTables.com (which allows you to convert to different energy units with the click of a button).
G4-EN5	Energy intensity	a. Energy Intensity Ratio – 10.7 mmBTU/MWh b. Denominator for Intensity Ratio includes all energy sold all converted to MWh including electricity, Heating Steam/Hot Water and Cooling (See EN3d) c. Energy included in Intensity Ratio includes fuel, electricity and travel in consumption and electricity; steam/hot water and cooling in sales. d. Energy Consumption includes both energy used within the organization (see EN3a-c) and outside the organization (see EN4a)
G4-EN6	Energy saved due to conservation and efficiency improvements	NRG has data for energy efficiency at our facilities. NRG is not a fully integrated utility; energy efficiency programs are tracked by the power delivery company. 2014 NRG Sustainability Report page 45

G4-EN7	Reductions in energy requirements of products and services	2014 NRG Sustainability Report pages 13-14

ASPECT: WATER		
Indicator	**Description**	**Response/Reference**
G4-DMA	Water is material to NRG based on our 2013 materiality assessment. The NRG Water initiative has a Program Manager that works with the Operations Steering Committee that is made up of the Senior Vice President of Engineering, Director of Engineering and three Plant Managers. The team helps to identify programs, implement processes, review data and provide progress updates on the water initiative. The plant manager for each location assigns a person responsible for tracking water use, water reduction projects and issues specific to their facility's location. Each NRG region has water subject matter experts that work with State and Local Governments, as well as other industrial water users to ensure that water concerns are understood and addressed. NRG uses GRI water accounting principles to account for water withdrawal, consumption and discharge. Additional tools used to evaluate water impacts are the World Business Council for Sustainable Development water tool, and CDP is used to identify water risks. Our efforts are also guided by specific legislation aimed at reducing water withdrawal, including: ○ California Once Through Cooling Regulations ○ EPA 316b, Once Through Cooling Regulations ○ Coal Combustion By-products regulations ○ Steam Effluent Guidelines regulation As part of the NRG Water Initiative, NRG Operations Sr. Vice President established a Water Policy in requiring each NRG generating facility to create a Water Management Plan and Drought Contingency Plan. Each facility manager is responsible for these plans and assigns a Water Champion for their facility. Please refer to the 2014 NRG Sustainability Report page 36	
G4-EN8	Total water withdrawal by source.	2014 NRG Sustainability Report page 36
G4-EN9	Water sources significantly affected by withdrawal of water (additional)	2014 NRG Sustainability Report page 36
G4-EN10	Percentage and total volume of water recycled and reused	2014 NRG Sustainability Report page 36

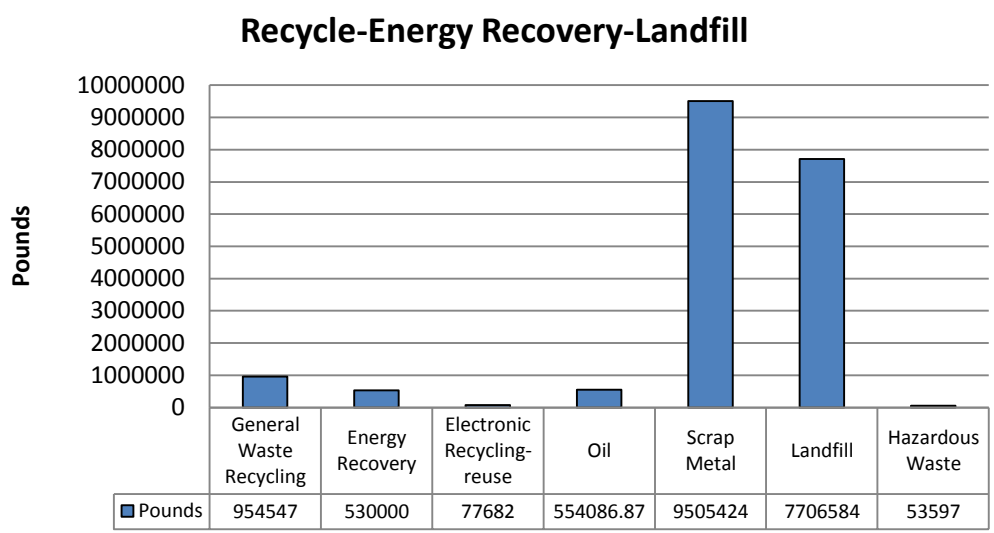
ASPECT: BIODIVERSITY		
Indicator	**Description**	**Response/Reference**
G4-DMA	Biodiversity is material to NRG based on our 2013 materiality assessment. As a standard practice, NRG routinely gauges the importance of biodiversity through interactions with our peers in community meetings, environmental permit renewals, shareholder meetings and through our retail customers who buy our electricity. We offer our retail customers the ability to choose an electricity plan that meets their needs whether its lowest cost or renewables. The renewable option is barometer for customer awareness of biodiversity which helps us make informed decisions for future wholesale electricity production. NRG's Biodiversity program, implemented in 2011, includes a Biodiversity Policy Statement, Biodiversity Policy as a subset of our Environmental Policy and Procedures Manual and Biodiversity Plans for all generating sites. Biodiversity Plans are updated annually to incorporate changes and enhancements to site conditions. Please refer to the NRG 2014 Sustainability Report page 38-42.	

G4-EN11	Location and size of land owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	2014 NRG Sustainability Report pages 38-42
G4-EN12	Description of significant impacts of activities, products, and services on biodiversity in protected areas and areas of high biodiversity value outside protected areas	2014 NRG Sustainability Report pages 38-42
G4-EN13	Habitats protected or restored	2014 NRG Sustainability Report pages 38-42
G4-EN14	Number of IUCN Red List species and national conservation list species with habitats in areas affected by operations, by level of extinction risk	2014 NRG Sustainability Report page 42
G4-EU13	Biodiversity of offset habitats compared to the biodiversity of the affected areas	NRG owns and operates the Cedar Bayou EcoCenter in Baytown, Texas. The EcoCenter grows and donates native vegetation for wetlands, prairies, hummocks and forests as an offset habitat strategy. NRG's donations are critical to the restoration directives of the following third party conservation organizations: US Fish and Wildlife Service Texas General Land Office Texas Parks & Wildlife Department National Marine Fisheries Service The Galveston Bay Foundation Natural Resource Conservation Service Audubon Texas Ducks Unlimited The Student Conservation Association Galveston Bay Estuary Program In 2014, NRG donated 132,350 plugs of smooth cordgrass which restored approximately 11.3 hectares. No success criteria or independent verification is performed for these voluntary restoration efforts since the restorations are non-migratory and the habitats are dynamic. A standard measurement of 3 feet between plants is used to determine hectares restored.

ASPECT: EMISSIONS			
G4-DMA	Emissions are material to NRG based on our 2013 materiality assessment. As one of the largest power producers in the United States NRG emits substantial carbon dioxide and other greenhouse gases as a result of our operations. NRG's CEO, David Crane, has publicly stated that climate change is a moral imperative and NRG will adjust its business model to meet the changing market demands as we transition to a clean energy future. Traditional generation must be balanced with forward-thinking approaches. Therefore, we are constantly seeking to diversify and grow our generation fleet. This is captured in one of the key pillars of our business and sustainability strategy, 'Enhance Generation. Natural gas has roughly half the carbon dioxide emissions of coal. This fuel source will play a critical part in the transition to a renewable-based energy system in the United States, and therefore plays a prominent role as part of NRG's sustainability strategy and vision. NRG acknowledges our role to lead the path toward a clean energy future while continuing to grow our business and to the end, in 2014 NRG announced our long-term carbon reduction goals. These goals have a baseline of 2014 and therefore will be tracked and reported annually going forward. Please refer to the NRG 2014 Sustainability Report pages 1-6 and 35		
Indicator		**Description**	**Response/Reference**
G4-EN15	Direct greenhouse gas (GHG) emissions (Scope 1)	2014 NRG Sustainability Report page 35	
G4-EN16	Energy indirect greenhouse gas (GHG) emissions (Scope 2)	a. Total Indirect Scope 2 Emissions - 259,445 metric tons of CO2e (Electricity use purchased from the grid and only includes the US) b. Base Year will be 2014 due to the various mergers and acquisitions that have occurred in the past 3 years (i.e. GenOn 2012, EME in 2014, etc.) and the company long range planning goals are based on reductions from 2014. c. Consolidation approach is by ownership percentage and US and International.	
G4-EN17	Other indirect greenhouse gas (GHG) emissions (Scope 3)	a. Total Indirect Scope 3 Emissions - 11,017 metric tons of CO2e. Of that total, 6,641mT will be offset. Total reported may be as low as 4,376 mT. b. The primary activity is Business Travel (includes air, rental car, mileage, and hotel night emissions). Other activities presented are currently not applicable or not addressed at this time by the company. c. Base Year will be 2014 due to the various mergers and acquisitions that have occurred in the past 3 years (i.e. GenOn 2012, EME in 2014, etc.) and the company long range planning goals are based on reductions from 2014.	
G4-EN18	Greenhouse gas (GHG) emissions intensity	Emission Intensity by Scope: a. Scope 1 (mT CO2e/MWh from Total NRG Generation): .76 b. Scope 2 (mT CO2e/FTE): 32.43 c. Scope 3 (mT CO2e/FTE): 1.38	
G4-EN19	Reduction of greenhouse gas (GHG) emissions	a. Total Reduction is 1.8 MmT CO2e as follows: Reduction to Scope 1 from closing facilities (Indian River 3, Titus, Norwalk, and Portland 2 - .5 MmT of CO2e; reduction to Scope 1 from increase in wind and solar production (from 2013) - .3 MmT of CO2e (based on increased in KWh produced in 2014 from	

		2013); reduction to Scope 2 from better accounting in 2014 of Electricity Purchased from the grid (i.e. avoidance of double counting from 2013) – 1 MmT. In addition NRG GHG Intensity (mT CO2e/MWh) has decreased from .78 in 2013 to .76 in 2014 (including our new acquisition. Scope 3 travel is to be offset at a total of 6641 mT. Potential future reductions to Scope 1 going forward with gas conversion (from coal) at Niles, New Castle, Avon Lake and Dunkirk and oil conversion at Portland - 1.4 MmT CO2e (not included in total). b. Base Year going forward will be 2014 due to the various mergers and acquisitions that have occurred in the past 3 years (i.e. GenOn 2012, EME in 2014, etc.) and the company long range planning goals are based on reductions from 2014. Actual reductions noted were from 2013.
G4–EN20	Emissions of ozone-depleting substances (ODS)	NRG does not maintain this information centrally. Each individual facility complies with its record-keeping requirements regarding ozone-depleting substances.
G4-EN21	NOx, SOx, and other significant air emission	Significant Air Emissions a. SOX - 2.34E+08 Kg b. NOX - 8.19E+07 Kg c. Mercury – 2.1 US Tons

ASPECT: EFFLUENTS AND WASTE		
G4-DMA	Effluents and waste is material to NRG based on our 2013 materiality assessment. Additionally, NRG is a member of the Electric Research Power Institute (EPRI) Energy Sustainability Interest Group (ESIG) which published "Material Sustainability Issues for the North American Electric Power Industry" in 2013 and made the document publically available. The report presents waste management as an identified material topic for the electricity producing industry. Please refer to the 2014 NRG Sustainability Report page 37	
Indicator	**Description**	**Response/Reference**
G4-EN22	Total water discharge by quality and destination	Facilities must sample water discharges and report the results to their state agency monthly. The common reporting parameters are Total Suspended Solids, pH, Oil and Grease, Temperature, and specified metals. NRG has 78 NPDES permits for our generating facilities. 2014 NRG Sustainability Report page 36
G4-EN23	Total weight of waste by type and disposal method	NRG waste disposal reporting methods include weight tickets from shipping papers and weight estimates based on volume. The waste and recycling data is supplied to each NRG facility monthly by the waste and/or recycling supplier, to better manage waste and recycling volumes.

		 2014 Coal Ash – NRG owned and operated facilities generated 7,220,525 tons of coal combustion residuals, 4,614,160 tons were designated as beneficial use as defined by the states. NRG's goal is for 55% of coal combustion residuals for beneficial use, we exceeded the goal with 64% of coal combustion residuals for beneficial use. 2014 NRG Sustainability Report page 37
G4-EN24	Total number and volume of significant spills	2014 NRG Sustainability Report page 34
G4-EN25	Weight of transported, imported, exported, or treated waste deemed hazardous under the terms of the Basel Convention Annex I, II, III, and VIII, and percentage of transported waste shipped internationally (additional)	NRG waste generation is primarily in the United States and is the report boundary for waste generation. Power generation does not generate large volumes of hazardous waste.
G4-EN26	Identity, size, protected status, and biodiversity value of water bodies and related habitats significantly affected by the reporting organization's discharges of water and runoff	2014 NRG Sustainability Report page 38-40
ASPECT: COMPLIANCE		
DMA	Compliance is a material issue to NRG as a result of our business sector and license to operate. Please refer to NRG's Environmental Policy Statement 2014 NRG Sustainability Report page 33	
G4-EN29	Monetary value of significant fines and total number of non-monetary sanctions for non-compliance with environmental laws and regulations	2014 NRG Sustainability Report page 34

CATEGORY: SOCIAL

DMA	NRG considers social aspects of our sustainability strategy to be an integral part to our success as a responsible company. Our efforts span over a vast range of networks and organizations and help improve air, water and ecosystems, all while supporting each community and promoting the highest ethical business standards. Please refer to the 2014 NRG Sustainability Report pages 19-32

SUB-CATEGORY: LABOR PRACTICES AND DECENT WORK

ASPECT: EMPLOYMENT

Indicator	Description	Response/Reference
G4-DMA	Employees are a material issue to NRG based on our 2013 materiality assessment. NRG is recognized as a leading employer in our business sector; attracting and retaining the best talent to help transform the energy industry is among our top priorities. We engage the creativity and expertise of our more than 8,000 employees, and apply their considerable knowledge and talent to empowering work and activities. Within a rapidly changing industry, we are also committed to giving our employees the tools they need to thrive during the transition to a green-energy economy. We consistently update, implement and enforce robust preventive safety practices and programs to make sure our employees remain healthy and happy on the job. The VP of Human Resources manages policies and procedures throughout the company. Please refer to the NRG 2014 Sustainability Report pages 19-21	
G4-LA1	Total number and rates of new employee hires and employee turnover	In 2014, NRG had an average headcount of 8,205 with a 10% turnover rate (5% voluntary, 4% involuntary, 1% retiree).
G4-LA2	Benefits provided to full-time employees that are not provided to temporary or part-time employees, by significant locations of operation	2014 NRG Sustainability Report pages 19-20
G4-LA3	Return to work and retention rates after parental leave, by gender	NRG does not track this data at this time.

ASPECT: OCCUPATIONAL HEALTH AND SAFETY

G4-DMA	Occupational health and safety is material to NRG based on our 2013 materiality assessment. Safety is paramount— it is the first of our core values. At NRG our STRIVE core values are the framework which drive our corporate strategy and decision making. Our goal is to attain a record of zero injuries in any given year and achieve top-decile performance for OSHA recordable injuries. We consistently update, implement and enforce robust preventive safety practices and programs to make sure our employees remain healthy and happy on the job. The VP of Safety & Training manages policies and procedures throughout the company. Please refer to the NRG 2014 Sustainability Report page 19.	
G4-LA5	Percentage of total workforce represented in formal joint management–worker health and safety committees that help monitor and advise on occupational health and safety programs	2014 NRG Sustainability Report page 19
G4-LA6	Type of injury and rates of injury, occupational diseases, lost days, and absenteeism, and total number of work related fatalities, by region and by gender	2014 NRG Sustainability Report page 19

G4-LA7	Workers with high incidence or high risk of diseases related to their occupation	NRG does not track this data at this time.
G4-LA8	Health and safety topics covered in formal agreements with trade unions	NRG considers this information confidential and does not disclose to GRI at this time.
ASPECT: TRAINING AND EDUCATION		
G4-DMA	Please refer to the NRG 2014 Sustainability Report page 19	
G4-LA9	Average hours of training per year per employee	9.76; The number excludes all training considered to be related to; safety, ethics or company policy. This training is designed to develop personnel skills, industry knowledge and basic personal improvement.
G4-LA10	Programs for skills management and lifelong learning	2014 NRG Sustainability Report page 20
G4-LA11	Percentage of employees receiving regular performance reviews	100%; All full-time NRG employees have access to training and mentoring which include performance reviews with their manager.
ASPECT: DIVERSITY AND EQUAL OPPORTUNITY		
G4-DMA	Please refer to the NRG 2014 Sustainability Report pages 20-21	
G4-LA12	Details on breakdown of employees per employee category according to gender, age group, minority group membership, and other indicators of diversity	2014 NRG Sustainability Report page 21
ASPECT: SUPPLIER ASSESSMENT FOR LABOR PRACTICES		
G4-DMA	Please refer to the NRG 2014 Sustainability Report pages 43-45	
G4-LA14	Percentage of new suppliers that were screened using labor practices criteria	2014 NRG Sustainability Report pages 43-45
G4-LA15	Significant actual and potential negative impacts for labor practices in the supply chain and actions taken	2014 NRG Sustainability Report pages 43-45
G4-HR11	Significant actual and potential negative human rights impacts in the supply chain and actions taken	NRG operates the majority of its businesses in the United States and does not consider human rights to be material at this time. As we expand overseas this aspect will be re-valuated and re-assessed.
SUB-CATEGORY: SOCIETY		
ASPECT: LOCAL COMMUNITIES		
G4-DMA	Please refer to the 2014 NRG Sustainability Report pages 31-32	
G4-SO1	Percentage of operations with implemented local community engagement, impact assessments, and development programs	**100%**

GENERAL STANDARD DISCLOSURES FOR THE ELECTRIC UTILITY SECTOR

<table>
<tr><th>Indicator</th><th>Description</th><th>Response/Reference</th></tr>
<tr><td>EU1</td><td>Installed capacity, broken down by primary energy source and by regulatory regime.</td><td>NRG's diverse power generating facilities can generate about 53,000 megawatts from 14 Utility Scale Solar, 32 wind farms, and 89 fossil and nuclear plants – enough to support 42 million homes. NRG's fleet by market regime is: 33% PJM, 21% ERCOT, 19% CAISO, 10% MISO, 8% NYISO, 5% ISONE, 1% SERC, 1% WECC, 1% International, and 1% for SPP / Distributed Solar / Other Alternative Energy. NRG's fleet by primary fuel source is 48% Natural Gas, 32% Coal, 11% Oil, 5% Wind, 2% Nuclear, and 2% Solar.</td></tr>
<tr><td>EU2</td><td>Net energy output broken down by primary energy source and by regulatory regime.</td><td>In the PJM regulatory regime: 47.51 TWh of coal, 4.76 TWh of gas/oil
ERCOT: 27.73 TWh of coal, 5.81 TWh of gas, 9.11 TWh of nuclear
NYISO: 1.57 TWh of coal, 2.72 TWh of gas/oil
ISO-NE: 0.67 TWh of gas/oil
MISO: 9.06 TWh of coal, 8.12 TWh of gas/oil
FRCC: 0.05 TWh of gas
CAISO: 5.64 TWh of gas
WECC: 0.38 TWh of gas

<table>
<tr><th>Regulatory Regime</th><th>Energy Source</th><th>Gross GENERATION (MWHrs)</th><th>Net GENERATION (MWHrs)</th></tr>
<tr><td>ISO-NE</td><td>OIL/GAS</td><td>726,789</td><td>667,418</td></tr>
<tr><td>NYISO</td><td>COAL</td><td>1,649,366</td><td>1,572,464</td></tr>
<tr><td>NYISO</td><td>OIL/GAS</td><td>2,905,238</td><td>2,715,722</td></tr>
<tr><td>PJM</td><td>COAL</td><td>51,430,836</td><td>47,507,386</td></tr>
<tr><td>PJM</td><td>OIL/GAS</td><td>4,967,973</td><td>4,757,674</td></tr>
<tr><td>ERCOT</td><td>COAL</td><td>29,632,405</td><td>27,731,296</td></tr>
<tr><td>ERCOT</td><td>NUCLEAR</td><td>9,548,904</td><td>9,109,655</td></tr>
<tr><td>ERCOT</td><td>OIL/GAS</td><td>6,140,343</td><td>5,811,820</td></tr>
<tr><td>MISO</td><td>COAL</td><td>9,606,567</td><td>9,063,424</td></tr>
<tr><td>MISO</td><td>OIL/GAS</td><td>8,279,605</td><td>8,122,606</td></tr>
<tr><td>FRCC</td><td>OIL/GAS</td><td>53,205</td><td>48,495</td></tr>
<tr><td>CAISO</td><td>OIL/GAS</td><td>5,937,595</td><td>5,641,153</td></tr>
<tr><td>WECC</td><td>OIL/GAS</td><td>382,674</td><td>376,589</td></tr>
<tr><td>Grand Total</td><td></td><td>131,361,886</td><td>123,222,969</td></tr>
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Indicator	Description	Response/Reference
EU3	Number of residential, industrial, institutional and commercial customer accounts.	NRG had 2,881,000 mass and C&I customers (excluding utility partners and natural gas customers) in 2014. NRG Retail consists of multiple brands including Reliant, Green Mountain Energy and Energy Plus.
EU4	Length of above and underground transmission and distribution	Not applicable. NRG does not operate any transmission or distribution lines.
EU5	Allocation of CO2e emissions allowances or equivalent, broken down by carbon trading framework.	NRG is subject to the U.S. carbon trading programs the Regional Greenhouse Gas Initiative (RGGI) and California's AB32 program. NRG has 19 plants located in five of the nine RGGI states. NRG has 17 plants located in California that fall under the AB32 carbon program. Allowances or equivalents for these programs are purchased through auctions held by each program or by a third party, as they do not receive an allocation from the regulated program. NRG also owns a stake in Gladstone in Australia, but our partners are responsible for credits to comply with that program.
EU6	Management approach to ensure short and long-term electricity availability and reliability.	Inherent to our five year business plan is plant operations spend and investment in the amount of approximately $2B annually to ensure high levels of plant availability when the market calls for operation. In 2015 alone, there were over 250 planned unit outages where $500M was invested to ensure sustainable operation of the fleet. NRG is committed to investing in its plant operations where is sees high return in the current market economics. Over $11B in spend is forecasted in plant operations projects over the next five years and this spend is diligently reviewed for economic return to the shareholders while maintaining reliability in our units. Long term reliability is established two-fold - first by scripting a ten-year plant investment plan that pinpoints needs for current plant maintenance and investment to meet forecasted demand. Second, by investing in new technologies and ensuring our portfolio of assets has a higher degree of diversity. This can be seen in the acquisition of combined cycle plants like Gregory, the announcement of new combined cycle plant builds in the Houston area, the acquisition of Alta Wind and the continued growth in our solar assets.
EU7	Demand-side management programs including residential, commercial, institutional and industrial programs.	Please refer to 2014 NRG 10k
EU8	Research and development activity and expenditure aimed at providing reliable electricity and promoting sustainable development.	Please refer to 2014 NRG 10k
EU9	Plant Decommissioning - Provisions for decommissioning of nuclear power sites	Please refer to 2014 NRG 10k

Indicator	Description	Response/Reference
EU10	Planned capacity against projected electricity demand over the long term, broken down by energy source and regulatory regime	Planned capacity will continue to expand in step with forecasted market expectations across all regulatory regimes. This will be accomplished through repowering efforts as well as new projects are brought on-line enabling the phase out of older technologies. Additionally, capacity from alternative energy sources and fuel conversions for fossil plants are expected to be a major component of future growth and sustainability. Examples include the following: The recent addition of over 1,700 MW in capacity provided through the acquisition of the EME Wind assets. Gasification projects for the Avon Lake and New Castle plants in PJM as well as for the Big Cajun II plant serving MISO.
EU11	Average generation efficiency of thermal plants by energy source and by regulatory regime	NRG Yield Thermal 2014 EAF performance was 94%
EU12	Net energy output broken down by primary energy source and by regulatory regime.	N/A. NRG is an independent power producer.
EU19	Stakeholder participation in the decision making process related to energy planning and infrastructure	Please refer to 2014 NRG 10k
EU21	Contingency planning measures, disaster/emergency management plan and training programs, and recovery/restoration plans.	NRG has a business continuity plan that provides employees and contractors with information and clear direction in the event of an emergency and/or disruption at a work location. There are a number of operational policies and procedures in place to prevent an environmental release(s), however if a release were to occur there is an Environmental Emergency Preparedness and Response Plan at each plant to provide clear steps to communicate and respond to the release in a timely manner. NRG also has business insurance products to mitigate the financial impacts of environmental risks. Per NRG's Environmental Policies and Procedures Manual, each NRG facility conducts routine drills to assure that they are ready to respond. NRG also has a program called Power2Serve, which would deploy disaster response teams in the continental USA. NRG coordinated this effort with local, state, and federal disaster relief authorities, who will work with NRG to deploy the Power2Serve vehicle where it can do the most good. The Power2Serve response vehicle is equipped with generators and solar panels to provide displaced residents with a power source to charge their phones, computers, and electrical equipment. Power2Serve also provides a sturdy shelter area equipped with televisions as a place to gather while waiting for assistance from emergency agencies. NRG employees staff the vehicle with Community Emergency Response Team (CERT) volunteers and "Serve Crew" community volunteers. CERT members attended training in search and rescue operations, medical response, disaster psychology, shelter operations, and basic fire suppression. Serve Crew members completed training to set up power charging stations, assist residents in filling out necessary forms as well as IT support. CERT and Serve Crew volunteers consist of approximately 400 NRG employees in the East, Gulf Coast, and West regions of the country and can be deployed with the vehicle as needed.

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<tr><th>Indicator</th><th>Description</th><th>Response/Reference</th></tr>
<tr><td>EU28</td><td>Power outage frequency</td><td>Not applicable. NRG is not a utility.</td></tr>
<tr><td>EU29</td><td>Average power outage duration</td><td>Not applicable. NRG is not a utility.</td></tr>
<tr><td>EU30</td><td>Average plant availability factor by energy source and by regulatory regime</td><td>In the PJM regulatory regime: 79.7% coal, 83.1% gas/oil
ERCOT: 87.9% coal, 87.2% gas, 89.1% nuclear
NYISO: 74.9% coal, 87.2% gas/oil
ISO-NE: 89.3% gas/oil
MISO: 85.4% coal, 79.0% gas/oil
FRCC: 82.1% gas
CAISO: 91.1% gas
WECC: 96.2% gas

<table><tr><th>Regulatory Regime and Energy Source</th><th>Average EAF</th></tr><tr><td>ISO-NE OIL/GAS</td><td>89.3%</td></tr><tr><td>NYISO COAL</td><td>74.9%</td></tr><tr><td>NYISO OIL/GAS</td><td>87.2%</td></tr><tr><td>PJM COAL</td><td>79.7%</td></tr><tr><td>PJM OIL/GAS</td><td>83.1%</td></tr><tr><td>ERCOT COAL</td><td>87.9%</td></tr><tr><td>ERCOT NUCLEAR</td><td>89.1%</td></tr><tr><td>ERCOT OIL/GAS</td><td>87.2%</td></tr><tr><td>MISO COAL</td><td>85.4%</td></tr><tr><td>MISO OIL/GAS</td><td>79.0%</td></tr><tr><td>FRCC OIL/GAS</td><td>82.1%</td></tr><tr><td>CAISO OIL/GAS</td><td>91.1%</td></tr><tr><td>WECC OIL/GAS</td><td>96.2%</td></tr></table></td></tr>
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