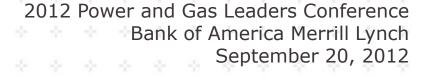


Investor Presentation

NRG Energy, Inc.

(NYSE: NRG)





Safe Harbor



Forward Looking Statements

In addition to historical information, the information presented in this communication includes forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Exchange Act. These statements involve estimates, expectations, projections, goals, assumptions, known and unknown risks and uncertainties and can typically be identified by terminology such as "may," "will," "should," "could," "objective," "projection," "forecast," "goal," "guidance," "outlook," "expect," "intend," "seek," "plan," "think," "anticipate," "estimate," "predict," "target," "potential" or "continue" or the negative of these terms or other comparable terminology. Such forward-looking statements include, but are not limited to, statements about the anticipated benefits of the proposed transaction between NRG and GenOn, each party's and the combined company's future revenues, income, indebtedness, capital structure, plans, expectations, objectives, projected financial performance and/or business results and other future events, each party's views of economic and market conditions, and the expected timing of the completion of the proposed transaction.

Forward-looking statements are not a guarantee of future performance and actual events or results may differ materially from any forward-looking statement as a result of various risks and uncertainties, including, but not limited to, those relating to: the ability to satisfy the conditions to the proposed transaction between NRG and GenOn, the ability to successfully complete the proposed transaction (including any financing arrangements in connection therewith) in accordance with its terms and in accordance with the expected schedule, the ability to obtain stockholder, antitrust, regulatory or other approvals for the proposed transaction, or an inability to obtain them on the terms proposed or on the anticipated schedule, diversion of management attention on transaction-related issues, impact of the transaction on relationships with customers, suppliers and employees, the ability to finance the combined business post-closing and the terms on which such financing may be available, the financial performance of the combined company following completion of the proposed transaction, the ability to successfully integrate the businesses of NRG and GenOn, the ability to realize anticipated benefits of the proposed transaction (including expected cost savings and other synergies) or the risk that anticipated benefits may take longer to realize than expected, legislative, regulatory and/or market developments, the outcome of pending or threatened lawsuits, regulatory or tax proceedings or investigations, the effects of competition or regulatory intervention, financial and economic market conditions, access to capital, the timing and extent of changes in law and regulation (including environmental), commodity prices, prevailing demand and market prices for electricity, capacity, fuel and emissions allowances, weather conditions, operational constraints or outages, fuel supply or transmission issues, and hedging ineffectiveness.

Additional information concerning other risk factors is contained in NRG's most recently filed Annual Reports on Form 10-K, subsequent Quarterly Reports on Form 10-Q, recent Current Reports on Form 8-K, and other SEC filings.

Many of these risks, uncertainties and assumptions are beyond NRG's ability to control or predict. Because of these risks, uncertainties and assumptions, you should not place undue reliance on these forward-looking statements. Furthermore, forward-looking statements speak only as of the date they are made, and NRG undertakes no obligation to update publicly or revise any forward-looking statements to reflect events or circumstances that may arise after the date of this communication. All subsequent written and oral forward-looking statements concerning NRG, the proposed transaction, the combined company or other matters attributable to NRG or any person acting on its behalf are expressly qualified in their entirety by the cautionary statements above.



Safe Harbor Continued

Additional Information and Where To Find It

This communication does not constitute an offer to sell or the solicitation of an offer to buy any securities or a solicitation of any vote or approval, nor shall there be any sale of securities in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction. The proposed business combination transaction between NRG and GenOn will be submitted to the respective stockholders of NRG and GenOn for their consideration. On August 16, 2012, NRG filed with the Securities and Exchange Commission ("SEC") a registration statement on Form S-4 that includes a preliminary joint proxy statement of NRG and GenOn that also constitutes a preliminary prospectus of NRG. NRG filed an amended registration statement on September 19, 2012. These materials are not yet final and will be amended. NRG and GenOn will mail the joint proxy statement/prospectus to their respective stockholders when it becomes final. NRG and GenOn also plan to file other documents with the SEC regarding the proposed transaction. This communication is not a substitute for any prospectus, proxy statement or any other document which NRG or GenOn may file with the SEC in connection with the proposed transaction. INVESTORS AND SECURITY HOLDERS OF GENON AND NRG ARE URGED TO READ THE DEFINITIVE JOINT PROXY STATEMENT/PROSPECTUS ONCE IT IS FILED WITH THE SEC AND ANY OTHER RELEVANT DOCUMENTS THAT ARE FILED WITH THE SEC, AS WELL AS ANY AMENDMENTS OR SUPPLEMENTS TO THESE DOCUMENTS, CAREFULLY AND IN THEIR ENTIRETY BECAUSE THEY WILL CONTAIN IMPORTANT INFORMATION ABOUT THE PROPOSED TRANSACTION. Investors and stockholders will be able to obtain free copies of the joint proxy statement/prospectus and other documents containing important information about NRG and GenOn, once such documents are filed with the SEC, through the website maintained by the SEC at www.sec.gov. NRG and GenOn make available free of charge at www.nrgenergy.com and www.genon.com, respectively (in the "Investor Relations" section), copies of materials they file with, or furnish to, the SEC.

Participants In the Merger Solicitation

NRG, GenOn, and certain of their respective directors and executive officers may be deemed to be participants in the solicitation of proxies from the stockholders of GenOn and NRG in connection with the proposed transaction. Information about the directors and executive officers of NRG is set forth in its proxy statement for its 2012 annual meeting of stockholders, which was filed with the SEC on March 12, 2012. Information about the directors and executive officers of GenOn is set forth in its proxy statement for its 2012 annual meeting of stockholders, which was filed with the SEC on March 30, 2012. Other information regarding the participants in the proxy solicitation can be found in the above-referenced registration statement on Form S-4. These documents can be obtained free of charge from the sources indicated above.



NRG Energy Overview



Market Cap: ~\$4.9 BN¹

Generation Assets: ~24.7 GW²

Competitive Retail Customers: ~2.1 MM²

2011 Financial Highlights:

Revenues: **\$9.1 BN**

★ EBITDA: **\$1.8 BN**

Cash from Ops: \$1.2 BN

→ FCF, before Growth: ~\$0.8 BN

NRG in the Power Sector Value Chain

Fuel Supply & Transportation

Power Generation

- Regulated Utilities
- Competitive Generators
- * Renewables

Transmission & Distribution

Retail (Customer)

- Cost of service
- Competitive markets (Residential & C&I)
- New products and services (EV charging and distributed solar)

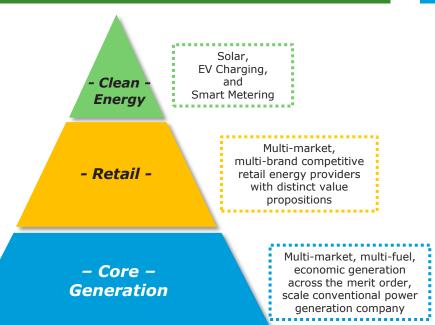


- Premium competitive generation portfolio; Most capacity in Texas of any publicly traded power company
- Leading integrated wholesale / retail energy business; Largest retailer in Texas
- * Well positioned for power price and natural gas recovery
- **→** First mover advantage in clean energy sector with ~1,130 MW³ utility scale solar projects in operation or under construction
- * Strong free cash flow coupled with long history of returning capital to shareholders (including a dividend)

NRG's Strategic Approach

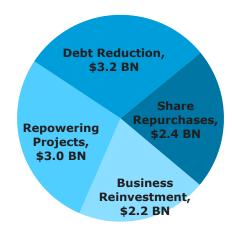


Premium Competitive Energy Business Model...



...Augmented by Balanced **Capital Allocation**

2006-1H 2012: \$10.8 BN Total¹



PLUS:

Annual dividend of \$0.36/share (\sim 1.7% yield²): First ever quarterly payment made on August 15



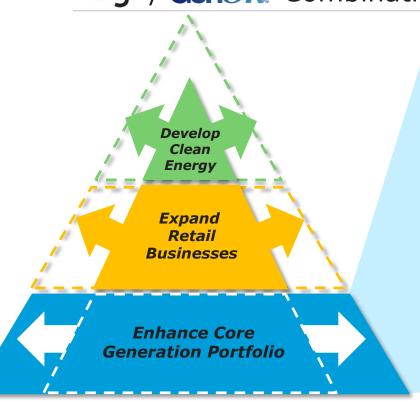


A Commitment to Growth and the Regular Return of ★ Capital to Shareholders



Enhancing the Core Generation Portfolio: nrg*/ GenOn. Combination





Transaction Delivers Strategic Benefits....



Expanding and strengthening the base to enable further expansion of NRG's Competitive Energy Business Model



Combined portfolio will be better positioned to compete throughout the commodity cycle



Greater scale enhances ability to revitalize generation fleet and optimize portfolio value



Foundation to duplicate NRG's successful Texas-based integrated wholesale/retail model





\$300 MM Annual Free Cash Flow Benefits from the Combination

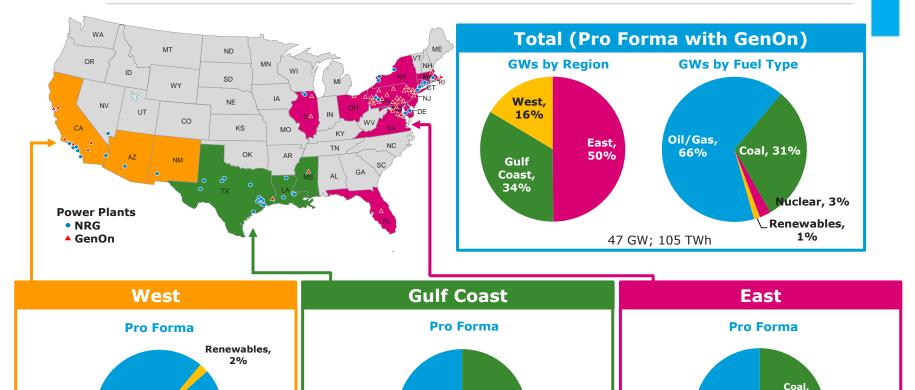


\$200 MM Annual EBITDA From Cost and Operational Efficiency Synergies



Enhancing the Core Generation Portfolio:





Oil/Gas, 54%

16 GW: 64 TWh



Oil/Gas,

98%

8 GW: 0.8 TWh

The combined company becomes the largest competitive power generation company, with scale and diversification across US regions

Renewables, 3%

Nuclear, 7%

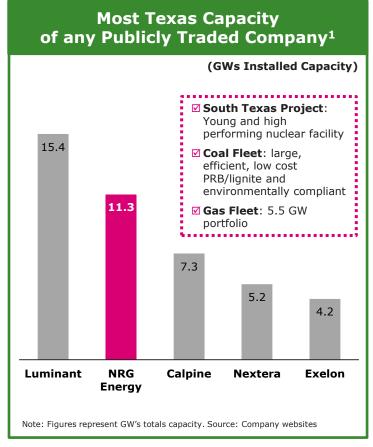
37%

Oil/Gas,

63%

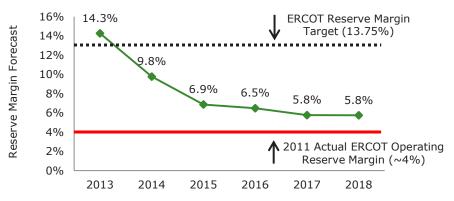
23 GW; 40 TWh

Leading Position in the Texas Power Market



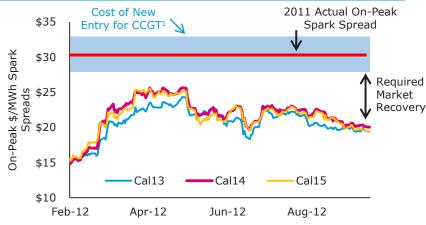
¹NRG Texas included in Gulf Coast Region

Tightening Texas Reserve Margin Forecast...



Source: ERCOT May 2012 Capacity, Demand, and Reserves Report, ERCOT CEO Update (Aug 2011)

...but Forwards Don't Reflect Strong Fundamentals



Source: NRG estimates. ¹Margin required to justify new build economics for a CCGT based on \$800-1,000/kW capital cost net of A/S and O&M. Spark Spread=(Houston Hub On-Peak Power - 7 heat rate x Henry Hub Gas)



Expanding the Retail Business: Multi-Brand and Multi-Channel Approach



Diverse Sales Channels and Differentiated Value Propositions

reliant: an NRG company

<u>Value Proposition</u> Franchise value coun

Franchise value coupled with innovative products and excellent customer service



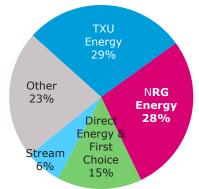
Loyal customers seeking green and sustainable products

Long-term relationships through exclusive affinity and customer reward programs



Overall TX Leader with Growing Residential Share

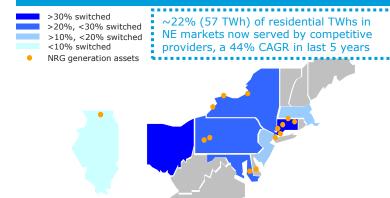




- 1.9 MM retail customers
- → ~50% mass, C&I by volume
- 650,000 retail customers on advanced metering programs

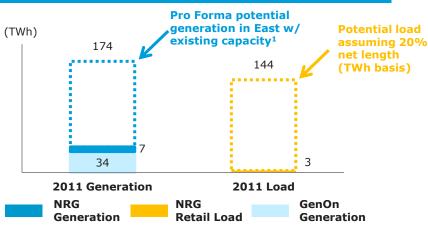
Source: KEMA, Dec 2011. NRG Retail includes Reliant, Energy Plus, and Green Mountain; 10K Filings

Positioned for Growth in Northeast Markets...



Source: KEMA Retail Energy Outlook, Q1 2012 and NRG Research. Colors indicate MWhs switched

...Employing NRG's Integrated Model and GenOn Asset Portfolio



Source: Company filings. ¹Potential generation based on nameplate capacity at 85% availability factor

Well-positioned to sustain and grow the retail business while employing NRG's successful integrated model

Developing Clean Energy: Targeting First-Mover Status, Strategic Synergies





Green Products and Services: ~\$400-\$500 BN Value

Clean Transportation

- Electric vehicle services
- Home and network charging
- Clean electricity for home charging

 US PEV sales to reach ~300k units by 2015, up from 1.6k in 2010

Green Housing and Utilities

- Clean/green retail electricity
- Rooftop solar
- Smart Meters
- LEEDs
- Utility RPS (solar)

 By 2015, US green building market to increase to \$173 BN from \$71 BN in 2010

Green Retail Energy

- Clean /green electricity
- Distributed solar
- CO₂ offsets and REC sales
- B2B/Energy management

 Green retail market projected to grow from 36 TWh in 2010 to 157 TWh by 2015¹

- ☑ Consumer-Focused
- ☑ Sustainability-Focused
- ☑ First-Mover Advantage



Distributed SolarRooftop Solar









Leading position on >\$450 BN in market opportunities in the clean economy

Developing Clean Energy: Industry Leading Solar Platform



Solar Project Map



Key Highlights

- ~620 MW under construction; 150 MW in operation¹
- Projects supported by long term PPAs with investment grade counterparties
- Sold a 49% interest in Agua Caliente to MidAmerican Energy Holdings, a Berkshire Hathaway Company, at a premium



Utility Scale Construction and Completion

Build Capacity and Scale in the Distributed Solar Space

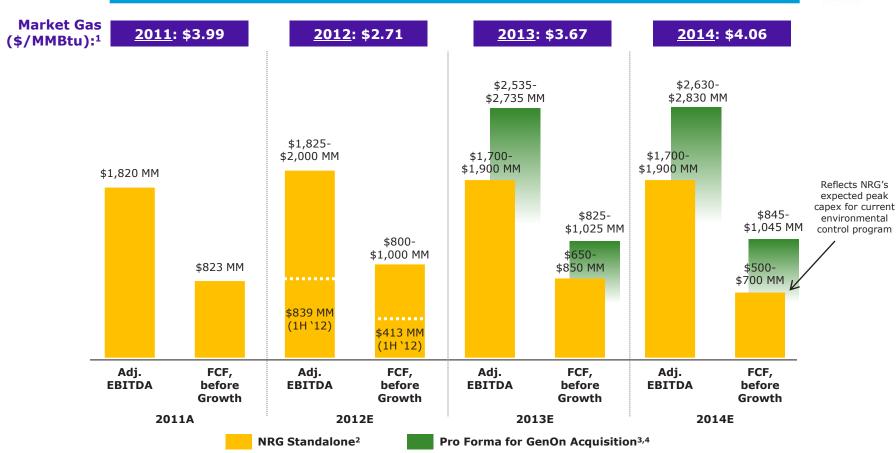
Residential



With almost 500 net MW online by year-end, solar beginning to contribute significant contracted EBITDA

Financial Highlights







...while preserving upside for commodity price recovery

Conclusion – Investment Thesis









- Pro forma-the <u>largest</u> competitive power company, levered to both power and gas recovery
- Positioned for <u>Texas</u> power market upside as the largest publicly traded Texas generator



Retail Energy

- Leading integrated competitive wholesale / retail position provides <u>countercyclical</u> earnings
- Growth vehicle for new customers, volume and products and services



Clean Energy

→ First mover in →\$450 BN clean energy sector

→ ~770 MW_{net} utility scale solar projects in operation or under construction



Financial

- Significant annual free cash flow generation with committed return of capital as a dividend payer
- Combination with GenOn yields <u>\$300 MM</u> in annual free cash flow benefits





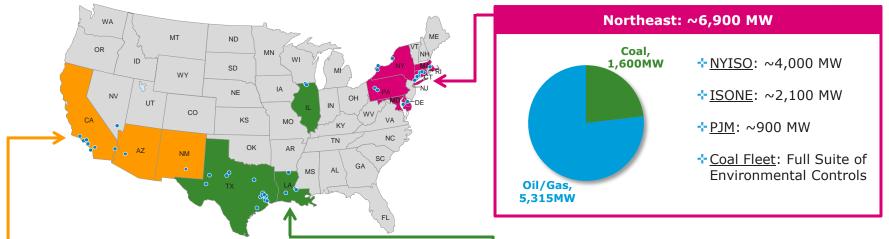
Appendix



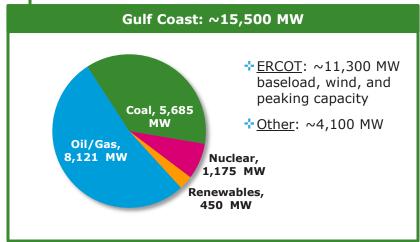
NRG Standalone Generation Portfolio: Diversification by Region and Fuel Type



Positioned for Market Recovery with One of the Nation's Most Diversified Generation Portfolios¹







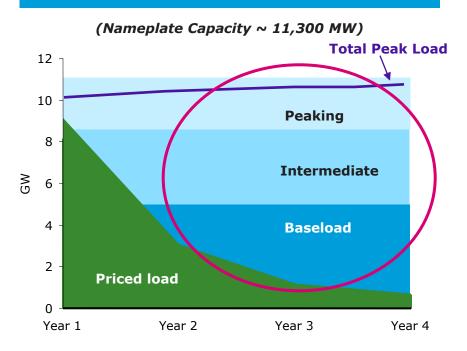


Geographically and fuel-diverse portfolio of strategically located, premium generation assets across the merit order

Integrated Wholesale/Retail Platform: Managing the Texas Portfolio



Texas: Wholesale and Retail Combination

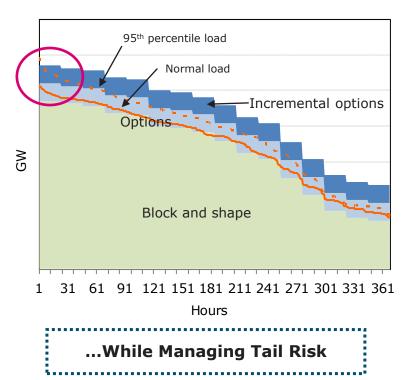


Wholesale Long Bias...

Note: Illustrative purposes only

Retail Risk Management: Supply and Load

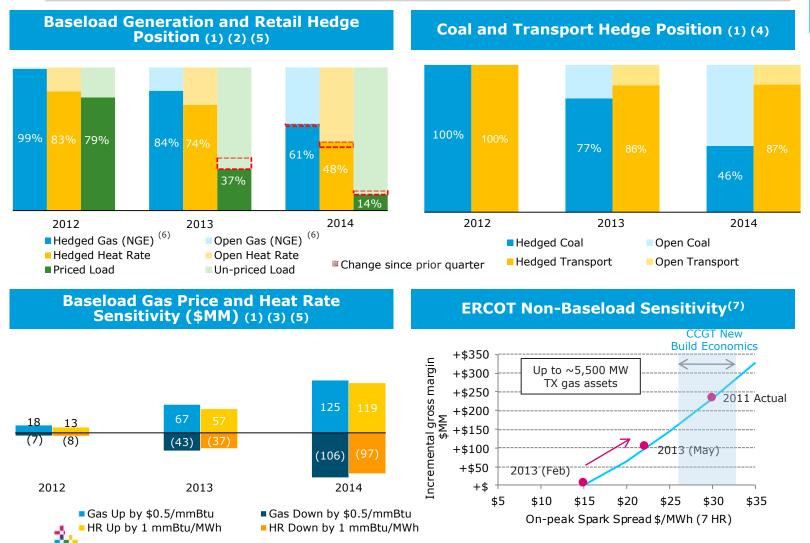
Summer month on-peak duration curve





Managing Commodity Price Risk: NRG Standalone





⁽¹⁾ Portfolio as of 07/18/2012. 2012 represents August through December months; (2) Retail Priced Loads are 100% hedged; (3) Price sensitivity reflects gross margin change from \$0.5/MMBtu gas price, 1 MMBtu/MWh heat rate move; (4) Coal position excludes existing coal inventory; (5) Baseload includes coal and nuclear electric power generation capacity normally expected to serve loads on around-the-clock basis throughout the calendar year (6) NGE=Natural Gas Equivalent (7) NRG estimates. Margin required to justify new build economics for a CCGT based on \$800-1,000/KW capital cost net of A/S and O&M. Sensitivity based on open gas portfolio. Spark spread = (Houston Hub On-Peak Power - 7 heat rate x Henry Hub Gas)

Conventional Generation Development: Strengthening and Enhancing the Portfolio



El Segundo CCGT Under Construction



- ★ 550 MW state of the art CCGT technology with unique fast ramp capability
- Located in center of Los Angeles load pocket
- → Full-requirements PPA with So. California Edison delivers earnings visibility, eliminates commodity exposure
- COD in summer 2013

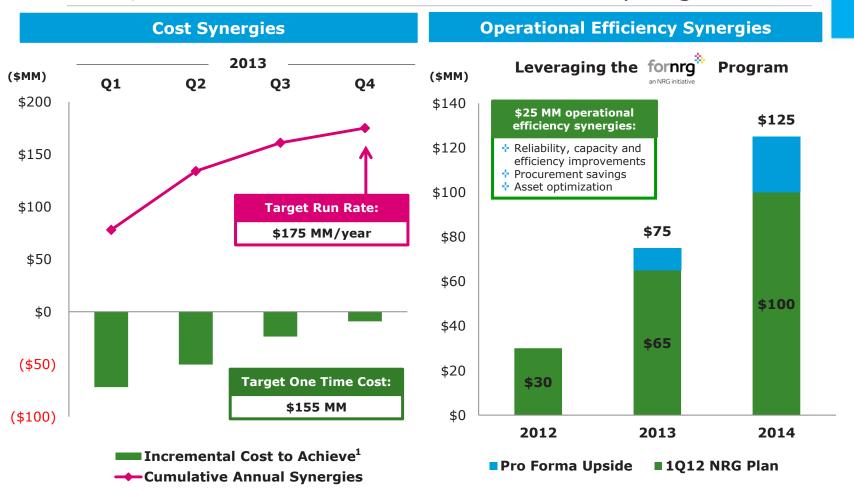
Other Well-Positioned Opportunities

Project	Size (MW)	Status			
Long Beach Repowering	260 MW	✓ Completed Q3 2007			
Cos Cob Peaker	40 MW	✓ Completed Q2 2008			
Cedar Bayou 4	260 MW	✓ Completed Q2 2009			
GenConn Peakers	200 MW	✓ Completed Q3 2011			
Astoria CCGT	Up to 1020 MW	□ Competitive for next NYPA RFP			
Encina CCGT	-	☐ Competitive for California utility RFPs			
TX Brownfield	-	Available when new- build economics prevail in TX market			
Old Bridge CCGT	660 MW	Contract signed with NJ BPU			



Repowering projects supported by long-term off-take agreements with creditworthy counterparties, located in or near high population centers

GenOn Combination: Real, Measurable and Actionable EBITDA Synergies





\$200 MM of Annual Cost and Operational Efficiency Synergies to be Fully Realized in First Full Year of Operation



NRG Standalone 2012-2014 Guidance¹

(\$MM)	2012	2013	2014
Wholesale	\$1,130-\$1,225	\$850-\$965	\$705-\$820
Solar Projects ²	\$70-\$75	\$200-\$210	\$320-\$330
Retail	\$625-\$700	\$650-\$725	\$675-\$750
Consolidated adjusted EBITDA	\$1,825-\$2,000	\$1,700-\$1,900	\$1,700-\$1,900
Free Cash Flow – before growth investments	\$800-\$1,000	\$650-\$850	\$500-\$700

¹Guidance as of August 8, 2012; from Q2 2012 NRG Earnings Call Presentation



²Solar projects include the EBITDA contribution from the projects net of non-controlling interest and excluding development expenses

NRG Standalone Recourse / Non-Recourse Debt



(\$MM)	12/31/2011	3/31/2012	6/30/2012	COD Date / Comments
Recourse debt:				
Term loan facility	1,592	1,588	1,584	
Unsecured Notes	6,090	6,090	6,018	
Tax Exempt Bonds	264	273	274	
Recourse subtotal ¹	7,946	7,951	7,876	
Non-Recourse debt:				
Ivanpah	874	1,049	1,168	2013
Agua Caliente	181	233	440	2012-2014
CVSR	-	138	277	2012-2013
Other solar non-recourse debt	157	141	137	2012
Total Solar Debt	1,212	1,561	2,022	
El Segundo	159	198	248	August 2013
Capital Lease - Schkopau ²	103	103	-	Sold on July 17th
Conventional non-recourse debt ³	444	438	438	2014 311 341, 27 411
Non-Recourse and Capital Lease Subtotal	1,918	2,300	2,708	
Total Debt	\$9,864	\$10,251	\$10,584	

 $^{^{1}}$ Includes discount of \$11M, \$12M, and \$12M, for 6/30/12, 3/31/12 and 12/31/12, respectively

 $^{^3}$ Includes discount on NRG Peaker of \$17M, \$18M and \$20M, for 6/30/12, 3/31/12 and 12/31/11, respectively



² Reclassified to current liabilities held for sale



Appendix Reg. G







\$ in millions	Dec 31, 2011		
Adjusted EBITDA	\$	1,820	
Interest payments		(769)	
Income tax		(26)	
Collateral		12	
NINA capital calls - post deconsolidation		(14)	
Working capital/Other assets & liabilities		143	
Cash flow from operations	\$	1,166	
Reclassifying of receipts (payments) of financing element of acquired derivatives		(83)	
Adjusted Cash flow from operations	\$	1,083	
Maintenance CapEx		(200)	
Environmental CapEx, net		(51)	
Preferred dividends		(9)	
Free cash flow - before growth investments	\$	823	



Reg. G: YTD Q2 2012 Free Cash Flow Before Growth Investments



\$ in millions	Jun 30, 2012	Jun 30, 2011	Variance
Adjusted EBITDA	\$ 839	\$ 972	\$ (133)
Interest payments Income tax Collateral/working capital/other	(293) (21) 60	(485) (25) (153)	192 4 213
Cash flow from operations	\$ 585	\$ 309	\$ 276
Reclassifying of net payments for settlement of acquired derivatives that include financing elements	(44)	(46)	2
Adjusted Cash flow from operations	\$ 541	\$ 263	\$ 278
Maintenance CapEx	(102)	(112)	10
Environmental CapEx, net Preferred dividends	(21) (5)	(1) (5)	(20) -
Free cash flow - before growth investments	\$ 413	\$ 145	\$ 268

Note: see Appendix slide 19 of Q2 2012 Earnings Call Presentation for a Capital Expenditure reconciliation





\$ in millions	8/8/2012 Guidance	5/3/2012 Guidance
Wholesale	\$1,130-\$1,225	\$1,200-\$1,300
Solar Projects ¹	70-75	-
Retail	625-700	625-700
Consolidated adjusted EBITDA	\$1,825-\$2,000	\$1,825-\$2,000
Interest Payments Income Tax Collateral/working capital/other	(605) (50) (50)	(605) (50) (83)
Cash flow from operations	\$1,100-\$1,300	\$1,050-\$1,250
Reclassifying of net payments for settlement of acquired derivatives that include financing elements	(44)	(20)
Adjusted Cash flow from operations	\$1,050-\$1,250	\$1,050-\$1,250
Maintenance CapEx	(240)-(260)	(240)-(260)
Environmental CapEx, net	(5)-(15)	(5)-(15)
Preferred Dividends	(9)	(9)
Free cash flow - before growth investments	\$800-\$1,000	\$800-\$1,000

¹Solar projects include the EBITDA contribution from the projects net of non-controlling interest and excluding development expenses Note: see Appendix slide 19 of Q2 2012 Earnings Call Presentation for a Capital Expenditure reconciliation





Reg. G: 2013 and 2014 Guidance

\$ in millions	2013 Guidance	2014 Guidance
Wholesale	\$850-\$965	\$705-\$820
Solar Projects ¹	200-210	320-330
Retail	650-725	675-750
Consolidated adjusted EBITDA	\$1,700-\$1,900	\$1,700-\$1,900
Interest Payments	(670)	(740)
Income Tax	(40)	(40)
Collateral/working capital/other	60	80
Cash flow from operations	\$1,050-\$1,250	\$1,000-\$1,200
Maintenance CapEx	(230)-(250)	(220)-(240)
Environmental CapEx, net	(130)-(150)	(230)-(250)
Preferred Dividends	(9)	(9)
Free cash flow - before growth investments	\$650-\$850	\$500-\$700

¹ Solar projects include the EBITDA contribution from the projects net of non controlling interest and excluding development expenses

