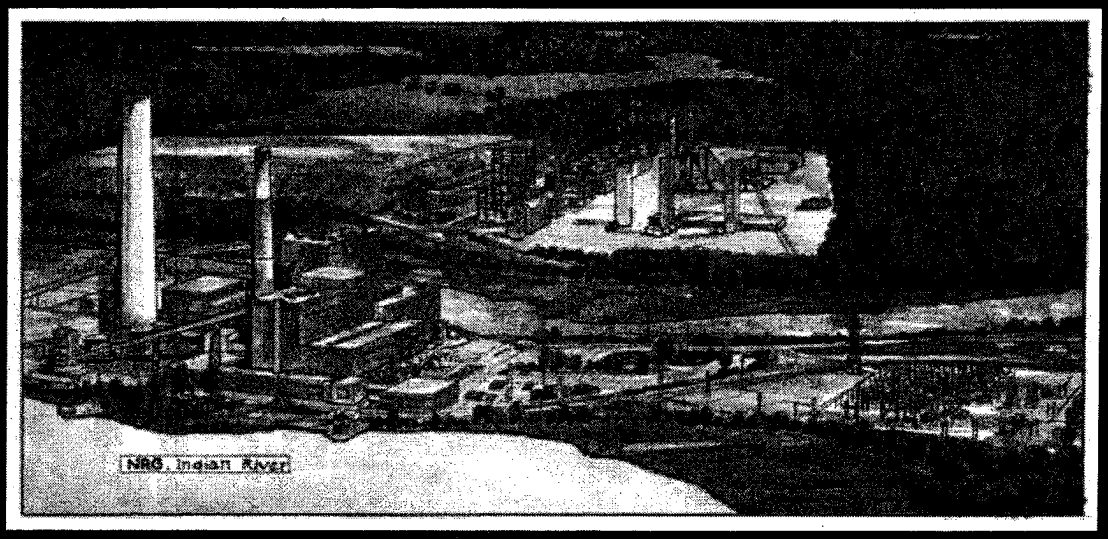
NRG Energy, Inc.

Proposed Indian River IGCC Facility
Millsboro, Delaware



Construction of Innovative Base Load Generation For Delaware

Volume 2 - Forms

Request for Proposals :: Delmarva Power & Light

Long-Term Supply of Innovative Clean Coal Capacity and Energy

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delmarva power

December 17, 2006

NRG

Confidential: In accordance with the Delaware Freedom of Information Act, 29 Del. C. §10002(g), the following contains trade secrets and commercial or financial information of NRG Energy, Inc. and its subsidiaries that is of a privileged or confidential nature.

Form A - Notice of Intent to Bid

Date: 22-Nov-06

Our organization intends to submit a proposal in response to the Delmarva Power & Light Request for Proposals for Generation Capacity and Power Purchase Agreement:

Contact Name: Morten Sissener - Director of Development - Northeast
Name of Firm: NRG Energy, Inc.
Address: 211 Carnegie Center
Princeton, NJ 08540

Phone: 609.651. 6698 (cell) 609.524.4898 (office)
e-mail: morten.sissener@nrgenergy.com

Alternate Contact Name: Caroline Angoorly - Vice President Development & Counsel - Northeast
Address: NRG Energy, Inc.
211 Carnegie Center
Princeton, NJ 08540

Phone: 609.647.9624 (cell) 609.524.4645 (office)
e-mail: caroline.angoorly@nrgenegy.com

Project Description: See attachment hereto

(include technology type, incremental facility capacity (MW), expected capacity factor and interconnection point (PJM bus #))

Signature:

Please return via FAX, U.S. Mail, or email no later than Wednesday November 22, 2006 to

Lezael Rorie
ICF International
9300 Lee Highway
Fairfax, VA 22031
FAX: (703) 934-3968
E-Mail: dpl_rfp@icfi.com

and
Barry J. Sheingold
New Energy Opportunities
125 Powers Road
Sudbury, MA 01776
FAX; (978) 440-7654
E-Mail: bjs@newenergyopps.com

Form A – Notice Of Intent To Bid
Project Description
Nov.22.06

NRG Energy, Inc. ("NRG"), through its special purpose entity, Indian River IGCC LLC (the "Project"), intends to propose to supply 400 MW of innovative baseload generation through the construction of a new 580 MW Integrated Gasification Combined Cycle ("IGCC") project at its existing Indian River generating plant site located at Millsboro, Delaware. This will be a new (fifth) unit at the Indian River plant. Coal will be the primary feedstock for the gasification system.

The nominal expected equivalent availability factor ("EAF") for the Project is 85%. However, NRG reserves the right to bid a prudent initial EAF ramp-up profile starting at a lower initial expected EAF and to also propose a lower ultimate targeted EAF. The 85% EAF value being provided here is for guidance only.

The proposed Project would require a new interconnection to an existing substation/switchyard. The Project would be interconnected at the PJM Bus #9171 at or adjacent to the existing Indian River 230kV substation/switchyard. The PNODE ID is 93149 at substation INDIANRI located within the DPL transmission zone. The Project would have 2 identical gas turbine generators and a single steam turbine generator.

The new generators' switchyard would consists of either a 12 breaker and half or 7 breaker ring bus configuration necessary for electrical connection of the gas and steam turbine generators, auxiliary station load and 230kV strain bus ties to the DPL Indian River Substation. This equipment would be owned and maintained by the Project. The Point of Interconnection at the DPL Indian River 230kV substation would require at least one additional 230kV breaker and the upgrade of the rigid 230kV bus. This equipment would be owned and maintained by DPL.

NRG reserves the right, but not the obligation, to commit to the retirement of one or more of the existing coal units at Indian River as part of its bid. Any such commitment, if offered, would be contingent upon award, execution and full regulatory approval of a PPA satisfactory to both NRG and its project finance lenders and completion of construction of the Project. To the extent NRG proposes such retirement(s), the net incremental capacity from the Indian River facility, inclusive of the IGCC Project, would be less than the 580 MW stated above.

PJM has completed the Interconnection Feasibility Study for the Project and NRG has submitted the subsequent application for System Impact Study to PJM. The PJM Queue position for the feasibility study is #Q42 and the study is available off the PJM website at https://www.pjm.com/planning/project-queues/queue-gen-active.jsp. The PJM feasibility study report has also been provided as an attachment hereto. Please note that the PJM studies were based on an earlier preliminary 630 MW Project size which, after additional engineering, is now 580 MW.

#Q42 Indian River 630 MW

Generator Interconnection

This analysis was completed to assess the reliability impact for a new generator interconnecting to the PJM System as a Capacity Resource.

Network Impacts

The Queue Q42 project was studied as a **630 MW (Net) Capacity injection into the Indian River 230 kV substation**. Q42 was evaluated for compliance with reliability criteria for summer peak conditions in 2011. Potential network impacts were as follows:

Generator Deliverability (Single Contingency)

1. Indian River 230kV bus ties #1 and #2 are contingency overloaded at **106% (2124 Amps or 846 MVA)** for loss of one bus tie on the other. The bus ties are rated (summer emergency) for 2000Amps (**796 MVA**).

2. The segment of 230kV line 220-46 from Ridley to Printz contingency loading increases from 99% (prior to Q42) to **102%** (after the addition of Q42) of its emergency rating (**1432 MVA**) for the outage of the Eddystone to Island Rd 230 kV line 220-23. Q42 generation contributes **41 MW** to the contingency loading of line 220-46.

Multiple Facility Contingency

(Double Circuit Towerline contingencies only. Stuck breaker and bus fault contingencies will be performed for the Impact Study)

No problems identified.

Short Circuit

No problems identified for the PJM transmission system or the Delmarva underlying system.

NRG circuit breaker "Indian River 69kV CB7060" was identified as being overstressed at 104.2% of short circuit interrupting rating as a result of adding Q42. NRG should consider replacement of CB7060.

New System Reinforcements

1. The estimated cost to upgrade Indian River 230 kV bus ties #1 and #2 is **$414,000**. Estimated construction time is **12 months**.

2. The segment of 230kV line 220-46 from Ridley to Printz is limited by terminal equipment at Printz. The estimated upgrade cost is **$800,000.** Estimated construction time is **18 months**.

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Contribution to Previously Identified Overloads

(Overloads initially caused by prior Queue positions with additional contribution to overloading by Queue Q42. Queue 42 will have a % allocation cost responsibility which will be calculated and reported for the Impact Study)

3. Queue Q42 contributes approximately 39 MW, or approximately 4% of the 1000 MVA emergency rating, to the contingency loading of the Bridgewater-Sommerville-Flagtown-Branchburg 230 kV line for the tower outage of 230 kV lines Atlantic-Larrabee and Atlantic-Smithburg. At Q42 position in the Queue the contingency loading of the Bridgewater-Sommerville-Flagtown-Branchburg 230 kV line is at 119% of its emergency rating (1000 MVA after PSE&G required baseline upgrades b169 and b170 are performed).

   This thermal reliability criteria violation was originally caused by queue position O66 and additional contributions to the overload were added by Queues P04, P06, and Q26 prior to Queue Q42. To date additional contributions to the overload were also determined for Q47, Q73 and Q74.

   Bridgewater-Sommerville-Flagtown-Branchburg 230kV

Queue Project	MW Contribution	Final Loading
Up to O66	60 (above 1000MVA)	106%
P04	29	109%
P06	25	111%
Q26	37	115%
Q42	39	119%
Q47	7	118%
Q73	1	118%
Q74	55	125%

   PSE&G is responsible for the Bridgewater-Sommerville-Flagtown-Branchburg 230 kV baseline upgrades b169 and b170 to increase the circuit emergency rating to 1000 MVA. This involves reconductoring of this 12.5 mile circuit with 1590 KCMIL ACSS conductor at an estimated cost of $22M. To increase the circuit rating to 1255 MVA (necessary to accommodate projects up to Q74) will require reconductoring the circuit with a bundle of two 1033 KCMIL ACSS conductors and rebuild (extent not determined at this time) of some structures. The estimated additional cost to upgrade from 1000 MVA to 1255 MVA is estimated to cost **$25.0M. Queue Q42 may have a cost allocation responsibility.**

4. Queue Q42 contributes 17 MW to the contingency loading of the English 230/115 kV transformer for the tower outage of 230 kV lines Atlantic-Larrabee and Atlantic-Smithburg. At Q42 position in the Queue the contingency loading of the English 230/115 kV transformer is at 125% of its emergency rating (292 MVA).

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This thermal reliability criteria violation was originally caused by queue position O66 and additional contributions to the overload were added by Queues P06 and Q26 prior to Queue Q42. To date additional contributions to the overload was also determined for Q74.

English 230/115 kV Transformer Contingency Loading

Queue Project	MW Contribution	Final Loading
Up to O66	26 (above 292 MVA)	109%
P06	13	113%
Q26	18	120%
Q42	17	125%
Q74	17	131%

The estimated total cost to replace the English 230/115 kV 292 MVA (emergency rating) transformer with a 385 MVA (emergency rating) is **$ 4.0M. Queue Q42 may have a cost allocation responsibility.**

There are a number of network reinforcements required to mitigate thirty separate thermal overloads identified for the Queue O66 project in New Jersey. Project Q42 contributes (in excess of the threshold for cost allocation – see PJM Tariff) to only two of the thirty thermal overloads as described above; however, as the reinforcements for the thirty overloads have not yet been determined, an assessment of the impact of Q42 on the reinforcements required by Queue O66 was not able to be performed. Evaluation of Queue Q42's impacts on the O66 reinforcements will be performed during the Q42 Impact Study if Queue O66 and Q42 remain in the PJM Generation Interconnection Queue at that time. It is unlikely, but possible, that Queue Q42 will have an impact on the reinforcements for Queue O66.

Potential Issues

Prior to the addition of Q42 the Island Road to Eddystone 230 kV line 220-23 was contingency loaded to 96% of its emergency rating (1411 MVA) for the outage of the Mc Dade-Ridley-Morton 230 kV line 22046. After the addition of Queue Q42 the Island Road to Eddystone 230 kV line 220-23 was contingency loaded to 99% of its emergency rating. Queue Q42 contributes 43 MW to the increased loading of this facility.

5. The limiting elements for 220-23 line are 230kV circuit breakers and terminal equipment. If required, the upgrade cost is estimated at **$800,000**. Estimated construction time is **18 months**.

Docs # 388668

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Form B - Certification Form

The bidder hereby certifies that all of the statements and representations made in this proposal are true to the best of the bidder's knowledge and belief, and agrees to be bound by the representations, terms, and conditions contained in the RFP. The bidder accepts the ***Power Purchase Agreement*** included in the RFP, except as specifically noted in writing. This proposal is firm and will remain in effect for at least ***210 days*** after the proposal due date.

Submitted by: NRG Energy, Inc.
(exact legal name of firm)

Bidder: Indian River IGCC LLC
(if different than above)

Signature of an officer of bidder: Caroline Angoorly

Print or type name of officer: Caroline Angoorly

Title: Senior Vice President & General Counsel, Northeast Region

Date Signed: 17-Dec-06

Payment 295 Details

Preformat Code	
Debit Account Number	[redacted]
Account Currency	USD
Account Name	NRG ENERGY, INC.
Payment Currency	USD
Payment Amount	10,000.00
Payment Method	Funds Transfer
Payment Type	
Transaction Reference Number	[redacted]
Confidential	No
Beneficiary Reference	
Intra-Company	No
Number of Credit Parties	2 Credit Party Transfer
Ordering Party Name / Address	NRG ENERGY, INC. ATTN:SUNNIE JUN 211 CARNEGIE CENTER ATTN:
Ordering Party ID Type	/ACCT/
Ordering Party ID	[redacted]
Value Date	12/05/2006
Priority Flag	No
Beneficiary Account or Other ID Type	/ACCT/
Beneficiary Account or Other ID	[redacted]
Beneficiary Is	Not a Bank
Beneficiary Name / Address	DELMARVA POWER LIGHT CO
Beneficiary Advice Type	None
Charges Indicator	Our
Beneficiary Bank Routing Method	FEDWIRE ROUTING NUMBER
Beneficiary Bank Routing Code	[redacted]
Beneficiary Bank Account or Other ID Type	
Beneficiary Bank Account or Other ID	
Beneficiary Bank Name / Address	WACHOVIA BANK NA OF NJ/PA/NY AVONDALE PA UNITED STATES
Beneficiary Bank Advice Type	
First Intermediary Bank Routing Method	
First Intermediary Bank Routing ID	
First Intermediary Bank Name / Address	
Second Intermediary Bank Account or Other ID Type	
Second Intermediary Bank Account or Other ID	
Second Intermediary Bank Advice Type	
Second Intermediary Bank Name / Address	

Payment 295 Details

Payment Details	06TRANS124 APPFEEIGCCPOWERPLANT
Bank Details	
Memo Details	
Submitted By	SAMEER QURESHI
Submission Date/Time	12/05/2006 13:57:02
Status	Processed
Sub-Status	Confirmed

Form C - Bid Summary

Generation Facility

1) Project / Facility Name: Indian River IGCC

2) Project Location (city, county): Millsboro, DE
Sussex County

3) Project Location (latitude, longitude): Latitude: 38.590000; Longitude: -75.290000

4) Bidder Contact:

Name:	Morten Sissener - Director of Development Northeast
Company:	NRG Energy, Inc.
Address:	211 Carnegie Center Princeton, NJ 08540
Phone / Fax:	(cell) 609-651-6698; (office) 609-524-4898
email:	morten.sissener@nrgenergy.com

5) Generation Technology - general description of the proposed generation technology (e.g. pulverized coal, IGCC, combined cycle) including environmental control equipment. If retrofit or repowering, describe the proposed modification in detail.

Refer to Section 3 (Technology) for a discussion of proposed technology and Section 5 (Environmental and Permitting) for a discussion of environmental control equipment.

6) Facility Fuel Type and Transportation - (describe primary and secondary fuels, if applicable)

Primary Fuel:	Coal	Secondary Fuel:	No. 2 Fuel Oil
Transportation:	Rail	Transportation:	Primary - Rail; Secondary - Truck

7) Transmission Interconnection

Point of Interconnection (PJM Bus #):	Bus # 9171 (Indian River 230kV)
Interconnection Voltage (kV):	230 KV
Delivery Point as per PPA	Delmarva Indian River 230kV
Delivery Point Voltage	230 KV

8) Capacity Rating

Facility Net Design @ ISO Conditions (MW)	600 MW
Facility Summer (MW) at site conditions (92 degrees F)	600 MW
Facility Winter (MW) at site conditions (30 degrees F)	[redacted]
PPA contract UCAP (MW)	N/A
PPA Summer Dependable Capacity (MW)	[redacted]
Uncommitted Capacity (MW)	[redacted]

9) Proposed Commercial Operation Date (COD):

(Up to two commercial operation date options can be offered under one bid evaluation fee.)

Base COD: 1-Jun-13 Optional COD:

10) Proposed Contract Duration: [redacted]

(Either the expiration date to an anniversary of COD or list the desired date)

11) PPA Contract Type - describe price (e.g. fixed price index based price, capped or collared price) and percentage of output offered. If PPA is for renewable capacity indicate if renewable energy credits are included in the bid and if so how many.

See Section 2

Form D - Generation Facility Technical Description

This Form requests information regarding the Generation Facility for purpose of evaluating the overall impact of the Facility on the system and on the Delmarva Residual Standard Offer Service customers. If the Proposal consists of more than one generating unit with different operating characteristics, the Bidder should provide applicable information for each unit. If data is excluded, the evaluators may at their option elect to utilize generic characteristics consistent with the proposed capacity type or, if the information should be known by the Bidder, reject the bid as non-responsive. Some information requested may not be known by the Bidder at this time; Bidder is expected to respond to each question to the extent such information is known or can be reasonably obtained.

1) Project / Facility Name: Indian River IGCC

2) Generation Technology:

Describe the number and type of proposed generator units:
See Section 3 (Technical) for a discussion of generation equipment.

Configuration of generation equipment, i.e., CTs, HRSGs, steam turbines, etc.:
See Section 3 (Technical) for a discussion of generation equipment.

Generation equipment model numbers, vendors, manufacturers, etc.:
See Section 3 (Technical) for a discussion of generation equipment.

3) Expected PJM Capacity Rating (kW):

(indicate conditions for temperature, altitude, and power factor for which the data is supplied where applicable)

UCAP	N/A
Net Summer Dependable	600,000 kw
Net Winter Dependable	[redacted]
Maximum operating level	
Minimum operating level	
Most efficient operating level	

4) Expected Annual Forced Outage Rate (%): [redacted]

(This rate should include only forced outages and unplanned maintenance, not planned maintenance.)

5) Expected Average Annual Maintenance Requirements (days/year):

On-peak Months (May, June, July, August, September): [redacted]

Off-peak Months: [redacted]

6) For non-intermittent facilities, state the target equivalent availability factor and the projected capacity factor. For intermittent resources, state the projected capacity factor. Describe performance guarantees for facility operation.

Refer to Section 2 (Pricing and Commercial Terms) for targeted availability and capacity factors.

Form D - Generation Facility Technical Description

7) Describe any circumstances under which the Facility output will have to be curtailed on a predictable basis such as soot blowing and/or deslagging, maintenance, steam host operation, etc.)

Other than planned maintenance, there are no curtailment activities on an on going basis.

8) Heat Rate

Average and incremental heat rates for the Facility, higher heating value for the primary fuel specified or anticipated fuel blend.

	Average Heat Rate (BTU/kWh)	Incremental Heat Rate (BTU/kWh)
Minimum Operating Level	[redacted]	[redacted]
50% of net capability	[redacted]	[redacted]
75% of net capability	[redacted]	[redacted]
100% of net capability	[redacted]	[redacted]

9) Is proposed plant AGC controllable? Yes [redacted] No [redacted]

a) Low AGC Point (lowest output than can be achieved while the unit is on AGC)

[redacted]

b) High AGC Point (highest output than can be achieved while the unit is on AGC)

[redacted]

10) Minimum on-line time [redacted]

(minimum time between the generator breaker closing and re-opening)

11) Minimum downtime [redacted]

(minimum time the generator needs to be off-line prior to restarting)

12) Start time - (unit has been off-line for six hours) [redacted]

(the time it takes for the unit to start, close breaker and reach minimum load

13) Start time - (unit has been off-line for eight hours) [redacted]

(the time it takes for the unit to start, close breaker and reach minimum load

14) Start time - (unit has been off-line for 12 hours) [redacted]

(the time it takes for the unit to start, close breaker and reach minimum load

15) Start time - (unit has been off-line for 3 days) [redacted]

16) AGC Ramp Rate [redacted]

(rate at which the unit responds to frequency changes while on control (MW/minute)

17) Normal Ramp Rate [redacted]

(rate at which the unit can increase output while on manual control (MW/minute)

18) Emergency Ramp Rate [redacted]

(rate at which the unit can increase output only for emergency situations MW/minute)

19) Ten-minute Start Capability Yes [redacted] No [redacted]

If yes, achievable unit loading 10 minutes after synchronizing to system [redacted]

Form D - Generation Facility Technical Description

20) Describe the performance history of major components such as turbines, boilers, generators, solar cells, modules or tracking equipment, etc.

See Section 3 (Technical) for a discussion of performance history of the major components.

21) Describe any unique benefits or value associated with the proposed technology as compared to other technologies in its class.

A discussion of the benefits of IGCC Technology is found in Section 5.1 (Environmental Comparison). A discussion of the Indian River site benefits can be found in Section 5.2

22) Provide any other relevant information about the proposed technology.

See Section 3 Technology

23) Provide reactive power capability curve.

Refer to the Estimated Reactive Capability Curves provided

24) Provide maximum reactive power productive and absortive capability.

Refer to the Estimated Reactive Capability Curves for the generator, provided with this data.

25) Technical Data:

	STG
Generator MVA Base	[redacted]
Generator Nominal Power factor	[redacted]
Generator Terminal Voltage	[redacted]
Direct Axis Synchronous Reactance Xd	[redacted]
Direct Axis Transient Reactance X'd	[redacted]
Direct Axis Sub-Transient Reactance X"d	[redacted]
Generator Step-up Transformer MVA Base	[redacted]
Generator Step-up Transformer Impedance (R+jX on transformer MVA Base)	[redacted]
Generator Step-up Transformer Rating (MVA)	[redacted]
Generator Step-up Transformer Low-side Voltage (kV)	[redacted]
Generator Step-up Transformer High-side Voltage kV)	[redacted]
Generator Step-up Transformer Number of taps and step size	[redacted]

Form D - Generation Facility Technical Description

Provide maximum reactive power productive and absortive capability.
Refer to the Estimated Reactive Capabilty Curves for the generator, provided with this data.

Technical Data:	CTG
Generator MVA Base	[redacted]
Generator Nominal Power factor	[redacted]
Generator Terminal Voltage	[redacted]
Direct Axis Synchronous Reactance Xd (sat/unsat)	[redacted]
Direct Axis Transient Reactance X'd (sat/unsat)	[redacted]
Direct Axis Sub-Transient Reactance X"d (sat/unsat)	[redacted]
Generator Step-up Transformer MVA Base	[redacted]
Generator Step-up Transformer Impedance (R+jX on transformer MVA Base)	[redacted]
Generator Step-up Transformer Rating (MVA)	[redacted]
Generator Step-up Transformer Low-side Voltage (kV)	[redacted]
Generator Step-up Transformer High-side Voltage kV)	[redacted]
Generator Step-up Transformer Number of taps and step	[redacted]

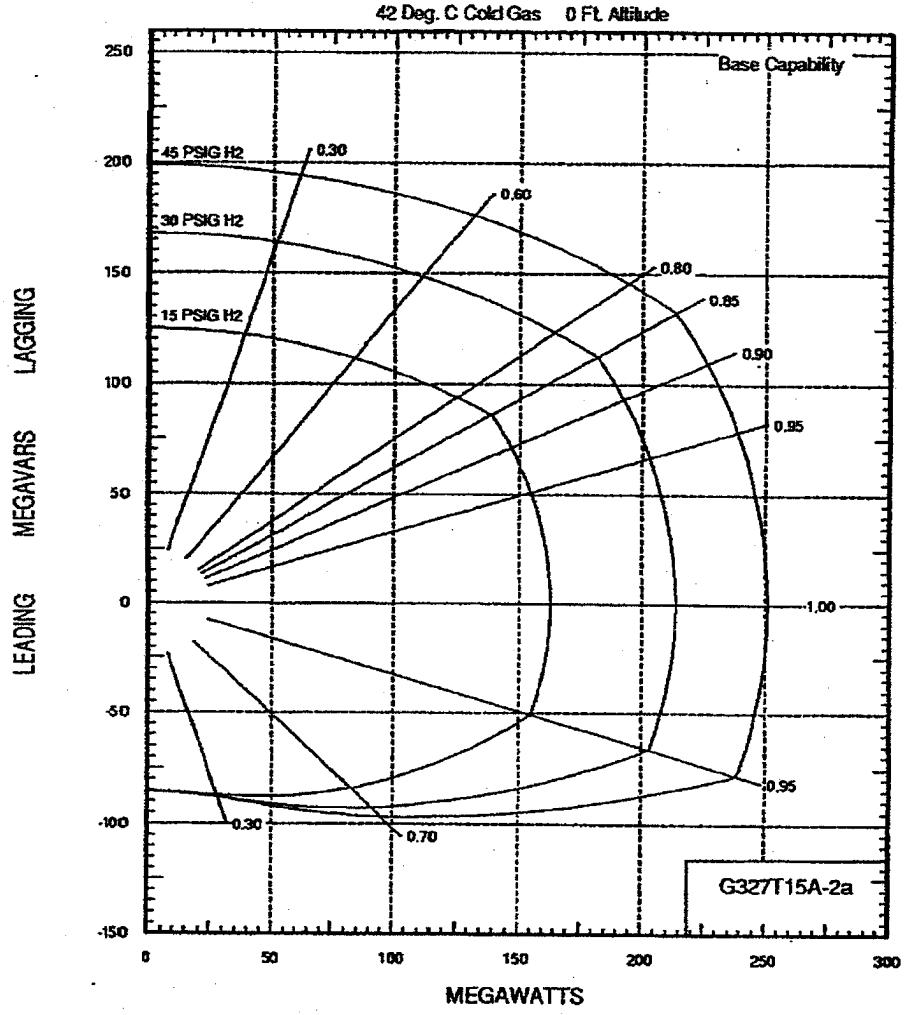
SIZE	DWG NO	SH	REV
A	373A4821	6	0

ESTIMATED REACTIVE CAPABILITY CURVES

2 Pole 3600 RPM 251000 kVA 18000 Volts 0.850 PF

0.450 SCR 45.00 PSIG H2 Pressure 350 Volts Excitation

42 Deg. C Cold Gas 0 Ft. Altitude



GENERAL ELECTRIC COMPANY	SIZE	CAGE CODE	DWG NO
GE POWER GENERATION SCHENECTADY, NY	A		373A4821
DRAWN Robert J Conkey			
ISSUED	SCALE		SHEET 6

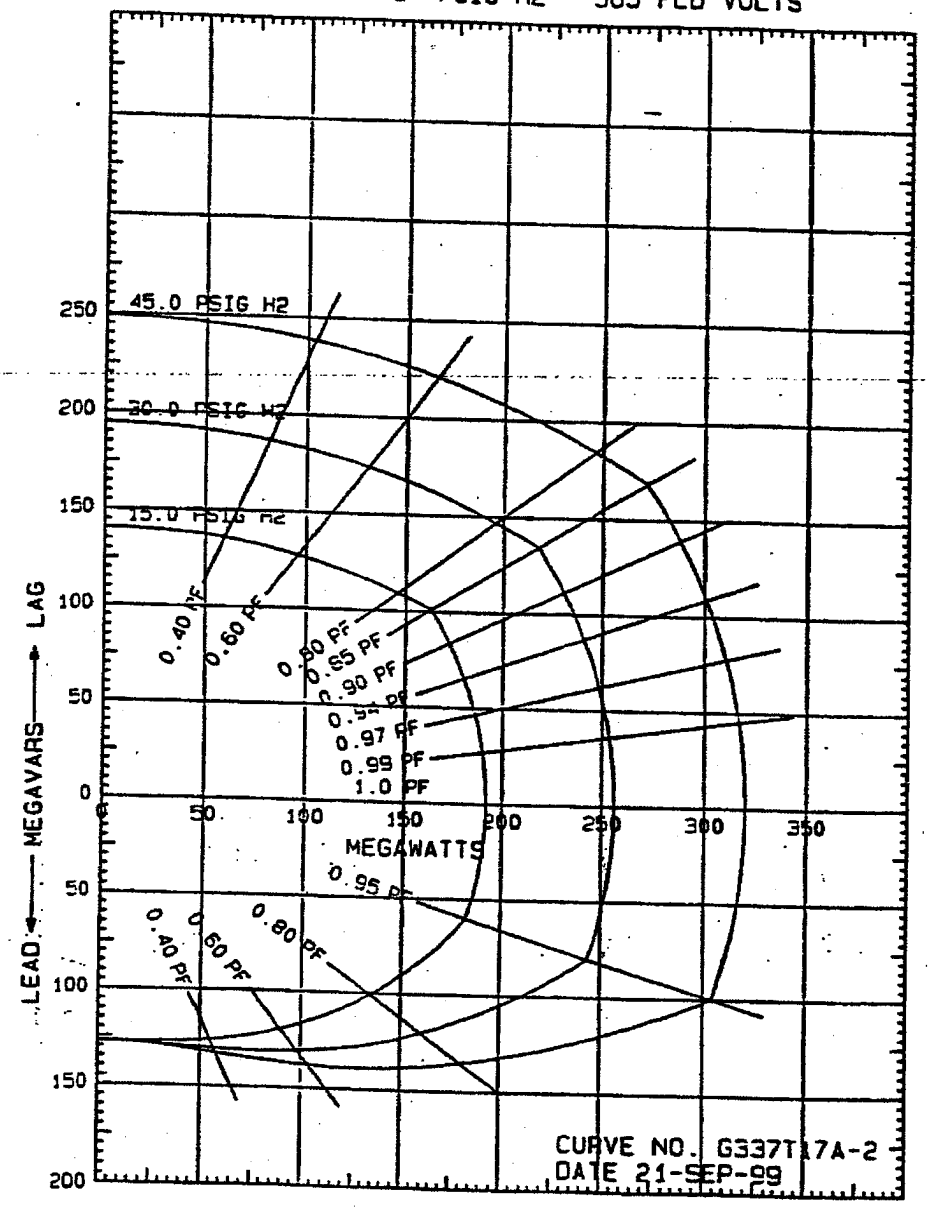
DWG40998 09-NOV-2006 09:22:41

P065108.62.1001.05-87016 0006 St:NE 10/04/01 MM-00076

SIZE	DWG NO	SH	REV
A	585A1227	6	-

ESTIMATED REACTIVE CAPABILITY CURVES

320100 KVA - 3600 RPM - 18000 VOLTS - 0.85 PF
0.55 SCR - 45 PSIG H2 - 565 FLD VOLTS



GE Power Generation	GENERAL ELECTRIC COMPANY SCHENECTADY, NY	SIZE A	CAGE CODE	DWG NO 585A1227
DRAWN				
ISSUED		SCALE		SHEET 6

Form E - Firm Capacity Rating (UCAP)

Please provide estimated summer net contract capacities in MW that would be available over the proposed contract term and also indicate any residual firm capacity that would be available to participate in the PJM capacity makets over the life of the proposed project. **The values should reflect the total anticipated PJM UCAP rated capacity over the indicated contract year according to the PJM market rules.**

Please confirm that the capacity will be located within the Delmarva zone.

		Summer		Winter	
Contract Year	**Location (Indicate PJM Zone)**	**Net Contract Capacity (Base)**	**Net Residual Capacity (Supplemental)**	**Net Contract Capacity (Base)**	**Net Residual Capacity (Supplemental)**
6/1/2007 - 5/31/2008					
6/1/2008 - 5/31/2009	NOTAPPLICABLE				
6/1/2009 - 5/31/2010					
6/1/2010 - 5/31/2011					
6/1/2011 - 5/31/2012					
6/1/2012 - 5/31/2013					
6/1/2013 - 5/31/2014					
6/1/2014 - 5/31/2015					
6/1/2015 - 5/31/2016					
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6/1/2032 - 5/31/2033					
6/1/2033 - 5/31/2034					
6/1/2034 - 5/31/2035					
6/1/2035 - 5/31/2036					
6/1/2036 - 5/31/2037					
6/1/2037 - 5/31/2038					

Additional Notes (use additional sheets as necessary):

Form F - Net Dependable Capacity Rating (Dispatchable Capacity)

Please provide estimated summer net contract capacities in MW that would be available over the proposed contract term and any residual firm capacity that would be available to participate in the PJM capacity makets. The values should reflect the PJM rated capacity over the indicated contract year according to the PJM market rules.

If the proposal includes any additional capacity from duct-firing, steam injection, or any other type of supplemental capacity (incremental to base capacity), please indicate the amounts available under summer and winter conditions. In addition, note any limitations, including but not limited to emission permitting limitations, on the availability of such additional capacity.

Summer capacities be based on an ambient temperature of 92 degrees Fahrenheit ambient air temperature, and appropriate humidity and altitude.

Winter capacities should be based on an ambient temperature of 30 degrees Fahrenheit ambient air temperature and appropriate humidity and altitude.

Please confirm that the capacity will be available within the Delmarva system.

		Summer		Winter	
Contract Year	Location (Indicate PJM Zone)	Net Contract Capacity (Base)	Net Residual Capacity (Supplemental)	Net Contract Capacity (Base)	Net Residual Capacity (Supplemental)
6/1/2007 - 5/31/2008					
6/1/2008 - 5/31/2009					
6/1/2009 - 5/31/2010					
6/1/2010 - 5/31/2011					
6/1/2011 - 5/31/2012					
6/1/2012 - 5/31/2013	INDIANRI				
6/1/2013 - 5/31/2014	PNODE ID 93149	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2014 - 5/31/2015	PJM BUS 9171	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2015 - 5/31/2016	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2016 - 5/31/2017	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2017 - 5/31/2018	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2018 - 5/31/2019	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2019 - 5/31/2020	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2020 - 5/31/2021	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2021 - 5/31/2022	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2022 - 5/31/2023	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2023 - 5/31/2024	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2024 - 5/31/2025	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2025 - 5/31/2026	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2026 - 5/31/2027	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2027 - 5/31/2028	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2028 - 5/31/2029	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2029 - 5/31/2030	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2030 - 5/31/2031	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2031 - 5/31/2032	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2032 - 5/31/2033	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2033 - 5/31/2034	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2034 - 5/31/2035	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2035 - 5/31/2036	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2036 - 5/31/2037	same	[redacted]	[redacted]	[redacted]	[redacted]
6/1/2037 - 5/31/2038	same	[redacted]	[redacted]	[redacted]	[redacted]

Form G - Fuel Plan

1) Please describe the type and design of the proposed boiler:

Refer to Section 3 (Technology) and Appendix 3 (Basis of Design) for discussion regarding the proposed boiler design.

2) Identify the primary and secondary fuels used by the project as well as any other alternate fuel capability.

This is covered in detail in Section 4.3 (Fuel Supply and Transportation)

3) Provide the following fuel specifications:

Fuel Type	bituminous coal	Sulfur Content	[redacted]
Heat Content	[redacted]	Ash Content	[redacted]
Moisture Content	[redacted]	Ash Fusion Temp.	[redacted]
Fuel Type	[redacted]	Sulfur Content	[redacted]
Heat Content	[redacted]	Ash Content	[redacted]
Moisture Content	[redacted]	Ash Fusion Temp.	

4) Describe the type(s) and source(s) of the fuel:

Refer to Section 4.3 (Fuel Supply and Transportation) for discussion.

Form G - Fuel Plan

5) For each fuel proposed, provide the following information:

- Expected consumption on a daily and annual basis
- Expected maximum instantaneous usage
- An estimate of the percentage provided by each fuel
- The period in which each fuel will be provided (months)
- The percentage of spot or contract volume for each fuel
- Share of contract volumes for contracts of greater than 5 years

Refer to Section 4.3 (Fuel Supply and Transportation) for discussion.

6) List the transporters and describe the transportation routes used to deliver all fuel requirements (primary and secondary) from the source of supply to the plant site. Provide a map depicting the proposed transportation routes from the source of supply to the Project.

Refer to Section 4.3 (Fuel Supply and Transportation) for discussion.

Form G - Fuel Plan

7) Describe the types (firm or interruptible) and terms and conditions of all transportation arrangements proposed for all transportation segments from the fuel supply source to the Facility site, and provide copies of all such transportation arrangements.

N/A

8) Indicate if transportation service is to be provided via existing capacity or if new capacity is required to provide such service. In the event new capacity is required, Bidder shall provide all relevant information relative to the proposed capacity arrangement in sufficient detail to allow the Proposal's feasibility to be evaluated.

Refer to Section 4.3 (Fuel Supply and Transportation) for discussion.

9) Provide all pricing arrangements, tariffs and/or pricing assumptions for all separate transportation segments. Explain the basis for the transportation price assumptions.

Refer to Section 4.3 (Fuel Supply and Transportation) for discussion.

Form G - Fuel Plan

10) Provide a description of the sources of fuel supply for the Facility, and list the names of the proposed fuel suppliers.

Refer to Section 4.3 (Fuel Supply and Transportation) for discussion.

11) Provide copies of all fuel supply arrangements or proposed arrangements. Include all terms and conditions applicable to the arrangements including:

- Term
- Volume commitments
- Pricing arrangements/components
- Minimum take requirements
- Acceptable contract terms and conditions
- Status of the arrangements
- Price re-openers
- Volume flexibility/penalties
- Market out provisions
- Performance guarantees
- Lead time on arranging or nominating gas supply for delivery
- Quality specifications for all fuels

Refer to Section 4.3 (Fuel Supply and Transportation) for discussion.

Form G - Fuel Plan

12) Provide a description of the fuel pricing arrangements for both the primary and secondary fuels including the fuel price index utilized as well as any escalation factors or any other costs to the company, any price floors or ceilings, and any price variation based on load factor or other provisions.

The fuel component of the bid price is discussed in Section 2 (PPA Pricing).

13) Provide information that describes if and how the fuel pricing arrangements are integrated with the terms of the proposed PPA. Discuss if there are any limitations in the fuel supply arrangements that could affect unit dispatch or translate into a constraint on unit operations.

Fuel pricing arrangements are discussed in Section 2 (PPA Pricing).

14) Provide copies of supplier's annual reports, marketing and financial information that illustrate the financial and market strength of the supplier and its experience in supplying fuel to power Facilities.

[redacted]

Form G - Fuel Plan

15) Provide a description of Bidder's experience in securing fuel supply and transportation arrangements for other Facilities of similar size, technology and fuel type.

Bidder's experience is discussed in Section 4.2 (NRG Fuels Group)

16) Describe the fuel inventory and management procedures followed by the Bidder. Include in the response, a description of the planned inventory maintained for the Facility on both a volumetric basis and based on number of days or hours at full unit output; whether the inventory will be maintained on-site or off-site; and the on-site or off-site storage capacity available. For storage capacity, indicate if it is on-site or off-site storage, identify the volume of storage capacity, and the number of days or hours at full output which the storage facilities could sustain.

[redacted]

Form G - Fuel Plan

17) Provide a description of Bidder's fuel supply strategy and criteria that serves as the basis for evaluating and selecting fuel suppliers and transporters.

Fuel supply strategy is discussed in Section 4.2 (NRG Fuels Group)

18) For energy sale bids in which bidder plans to acquire and manage the fuel supply, describe supply plan and identify all contracts that support the supply of firm gas transportation and firm supply to the proposed plant.

N/A

19) For gas-fired facilities, identify the pipeline to which the bidder plans to interconnect.

Pipeline interconnect is discussed in Section 4.3 (Fuel Supply and Transportation) [redacted]

20) Describe the gas interconnection facilities that will be needed including the size, length and location of the lateral interconnection and fuel delivery point (attach a USGS-based map showing the gas pipeline delivery point, the location of any lateral lines, compressors and meters.)

Gas interconnection facilities are discussed in Section 4.3 (Fuel Supply and Transportation). [redacted]

Form G - Fuel Plan

21) If known, please indicate the total assumed capital costs for all gas facilities that are estimated.

$ N/A

22) If secondary on-site fuel storage is proposed, describe the fuel type, including quality specifications, quantity, and maximum number of full-load run hours on secondary fuel.

[redacted]f
[redacted] Additional discussion is provided in Section 4.3 (Fuel Supply and Transportation).

23) Indicate the gas delivery pressure required at each of the following points.

plant burner tip pressure: [redacted]
gas interconnection point: [redacted]
gas interconnection point: [redacted]

24) Identify the pressure **guaranteed** by the interconnecting pipeline at the fuel delivery point.

[redacted]

25) Indicate the maximum daily and hourly gas consumption at the proposed plant and the amounts required on a firm a basis:

	Summer	**Winter**
Maximum Daily Consumption (mmBTU/day)	[redacted]	
Maximum Hourly Consumption (mmBTU/day)	[redacted]	

26) List any gas quality restrictions and indicate if the required delivery pipelines have acceptable gas quality.

N/A

Form G - Fuel Plan

27) Describe the fuel transportation / supply plan, including all railroad(s), truck routes, quantities and frequencies. Explain any highway or rail improvements that may be necessary to accommodate the proposed transportation plan, such as paving, bridges, new spurs, etc., as well as plans for accomplishing such improvements.

Fuel transport and supply is discussed in Section 4.3 (Fuel Supply and Transportation)

28) Identify all rail carriers and describe the status of any transport negotiations or agreements, including any known or anticipated freight rates.

Rail carriers and transport negotiations are discussed in Section 4.3 (Fuel Supply and Transportation)

Form G - Fuel Plan

29) For wind and other renewable resource projects, please provide the following:

a) A summary description of the resource studies used for the specific sites;
b) A statement of the period for which data were collected and the sites from which those data were collected;
c) A summary of the qualifications of the parties who prepared the resource studies; and
d) A projected average net output in MWh in a 12 x 24 matrix (for each hour, indicate the average number of MWh expected to be generated) showing total expected monthly and annual output (and stating the expected capacity factor).

N/A

Form H - Environmental Impact - Air Emissions

Please provide the following emission rate information for proposed generator(s), including supplemental capacity (duct-firing, steam injection, etc.), if applicable.

Emission Rates on **Primary Fuel**

	Base Capacity (lb/MMBtu)	**Full Load w/ Supplemental Capacity (lb/MMBtu)**
Oxides of Sulfur	[redacted]	[redacted]
Oxides of Nitrogen	[redacted]	[redacted]
Carbon Dioxide	[redacted]	[redacted]
Carbon Monoxide	[redacted]	[redacted]
Volatile Organic Compounds	[redacted]	[redacted]
Particulate Matter - PM10	[redacted]	[redacted]
Particulate Matter - PM2.5	[redacted]	[redacted]
Lead	[redacted]	[redacted]
Mercury	[redacted]	[redacted]

All emission values are permit estimates.

Maximum NOx emission rate (in parts per million): [redacted]

Maximum CO emission rate (in parts per million): [redacted]

Maximum permitted/permittable annual capacity factor (%): [redacted]

Emission Rates on **Secondary Fuel** (if applicable)

	Base Capacity (lb./MMBtu)	**Full Load w/ Supplemental Capacity (lb/MMBtu)**
Oxides of Sulfur	[redacted]	[redacted]
Oxides of Nitrogen	[redacted]	[redacted]
Mercury	[redacted]	[redacted]
Carbon Dioxide	[redacted]	[redacted]
Carbon Monoxide	[redacted]	[redacted]
Volatile Organic Compounds	[redacted]	[redacted]
Particulate Matter	[redacted]	[redacted]

Maximum NOx emission rate (in parts per million): [redacted]

Maximum CO emission rate (in parts per million): [redacted]

Maximum permitted/permittable annual capacity factor (%): [redacted]

Indicate if Facility is capable of CO2 capture. If yes, describe the potential methods for capture and associated costs.

[redacted] The carbon capture and sequestration option is discussed in Section 6 (Carbon Capture and Sequestration)

Form I - Environmenal Impacts/Permits - Air and Water

1) Describe all air quality permits that will be required for the project.

Required and existing permits are discussed in Section 5.4 (Permitting).
Required permits are listed in Table 5-14. Existing Permits for Indian River Units 1-4 are listed in Table 5-15.

Please refer to Section 5.3 (Potential Impacts & Proposed Mitigation) for further discussion regarding Air Quality Impacts

2) State whether any air permits have been secured, and if not, whether applications have been filed. Report on the status of any pending applications and any feedback from permitting agencies.

Please refer to Section 5.4 (Permitting) for further discussion, and Table 5-15 for a list of existing permits at Indian River.

3) Describe the expected time frame to obtain the necessary air permits after application submittal to the State including the expected dates of filing the permit applications.

Please refer to Section 5.4 (Permitting) for further information regarding the timing of permit applications and approvals. Figure 5-7 depicts the permitting timeline. Table 5-14 also details expected agency review times.

Form I - Environmenal Impacts/Permits - Air and Water

4) Describe all other federal, state and local environmental permits and approvals that will be required, including but not limited to federal environmental assessments under the National Environmental Policy Act (EA/EIS), wastewater discharge permits, hazardous waste permits, etc. Report on the status of all such permit applications and any feedback from permitting agencies.

Required and existing permits are discussed in Section 5.4 (Permitting).
Required permits are listed in Table 5-14. Existing Permits for Indian River Units 1-4 are listed in Table 5-15.

5) Describe the water supply strategy for the project, including a description of water requirements, water supply source(s), discharge plans, new water pipeline requirements, and any work completed to date on the water supply plan. Discuss how impingement/entrainment issues will be addressed.

Please refer to the Water Resources portion of Section 5.3 (Potential Impacts and Proposed Mitigation) for additional discussion.
Historical and Future water usage is listed in Table 5-10

Form I - Environmenal Impacts/Permits - Air and Water

6) Describe any benefits to long-term air and water quality anticipated to result from the facility.

A discussion of the benefits of IGCC Technology is found in Section 5.1 (Environmental Comparison). A discussion of the Indian River site benefits can be found in Section 5.2 (Environmental Improvements at Indian River). Section 5.3 (Potential Impacts and Proposed Mitigation) discusses the emission rates, consumption, and other impacts as well.

7) Describe the control technology which will be utilized at the facility for control of air emissions. Describe any performance guarantees related to specific control equipment.

A discussion of control technology can be found in the *Air Quality* portion of Section 5.3 (Potential Impacts and Proposed Mitigation).

8) In anticipation of future environmental control programs, describe the expected capability to reduce air or water emissions. Options may include additional control equipment, modified operations, reduced operations, etc. Include in your description the feasibility of and anticipated degree of difficulty of each option.

Please refer to the *Air Quality* and *Water Resources* portions of Section 5.3 (Potential Impacts and Proposed Mitigation) for additional discussion on the reduction of air and water emissions.

Form J - Environmental Impact Hazardous Waste

Describe Environmental Effects of Power Plant Construction and/or Operation on the following:

1) On-site Treatment, Storage, Disposal Facilities

Please refer to the *Hazardous Waste and Solid Waste Management* portion of Section 5.3 (Potential Impacts and Proposed Mitigation).

2) Off-site Transportation

Please refer to the *Hazardous Waste and Solid Waste Management* portion of Section 5.3 (Potential Impacts and Proposed Mitigation).

Form K - Environmental Impact Land Impacts

Describe Environmental Effects of Power Plant Construction and/or Operation on the following:

1) Wetlands

Please refer to the *Land Impacts* discussion in Section 5.3 (Potential Impacts and Proposed Mitigation).

2) Terrestrial Environment (Wildlife, including Avian Protection)

Please refer to the *Land Impacts* discussion in Section 5.3 (Potential Impacts and Proposed Mitigation).

3) Aquatic Environment (Fish and Aquatic Organisms)

Please refer to the *Land Impacts* discussion in Section 5.3 (Potential Impacts and Proposed Mitigation).

4) Threatened and Endangered Species Protection

Please refer to the *Land Impacts* discussion in Section 5.3 (Potential Impacts and Proposed Mitigation).

5) Delaware Coastal Zone

Please refer to the *Land Impacts* discussion in Section 5.3 (Potential Impacts and Proposed Mitigation).

Form K - Environmental Impact Land Impacts

Describe Environmental Effects of Power Plant Construction and/or Operation on the following:

6) Agricultural Areas

Please refer to the *Land Impacts* discussion in Section 5.3 (Potential Impacts and Proposed Mitigation).

7) Corridors needed to connect to fuel sources and the electric transmission grid

Please refer to the *Land Impacts* discussion in Section 5.3 (Potential Impacts and Proposed Mitigation).

8) State-designated Scenic Byways

Please refer to the *Land Impacts* discussion in Section 5.3 (Potential Impacts and Proposed Mitigation).

Form L - Site Development General

1) Indicate whether bidder controls the development site through a) ownership of a leasehold interest in, or a right to develop a site for the purpose of constructing the proposed generating facility; b) an option to purchase or acquire a leasehold site for such purpose; c) an exclusivity or other business relationship between bidder and the entity having the right to sell, lease or grant bidder the right to possess or occupy a site for such purpose; or d) fee simple.

NRG presently owns all the land required for the IGCC Unit. For more discussion, please refer to Section 7 (Site Control)

2) If site control described in 1) above has not yet been secured, describe plan and schedule for obtaining such site control.

N/A

3) Indicate if the proposed development site has an appropriate zoning designation, or whether a rezoning is necessary. Describe any rezoning plans and issues.
Please refer to Section 7.2 (Zoning) for a discussion about the project's present zoning.

4) Describe all city or county land use permits that will be required such as conditional use or special use approvals.
Please refer to Section 7.3 (Land Use Permits) for a discussion about required permits

Form L - Site Development General

5) Report on the status of land use permitting activities, including the status of any pending applications and any feedback from permitting agencies, community or neighborhood groups.
Please refer to Section 7.3 (Land Use Permits) for a discussion about required permits

6) Describe existing and planned land uses in all directions surrounding the proposed development site.
Please refer to 7.2 (Zoning) and Section 7.3 (Land Use Permits) for a discussion about land uses surrounding the development site. Figure 7-2 and Table 7-2 detail the existing land uses in the surrounding area.

7) Indicate the total acreage of the proposed site: [redacted] (see Section 7 for details)

8) Indicate if the site is an existing brownfield or industrial location: [redacted]

9) Attach a USGS-based map showing the location of the proposed development site and the anticipated placement of all facilities at the site including transmission and fuel related facilities.

See Figure 7-1 for the Indian River Site Plan.

Form M - Site Development Socio Economic

Describe Environmental Effects of Power Plant Construction and/or Operation on the following:

1) Visual Landscape and Visibility Impacts
Refer to the *Visual Landscape* and *Visibility Impacts* portions of Section 7.6 (Socioeconomic Impacts).

2) Archaeological and Historical Sites
Refer to the *Archealogical and Historic Sites* portion of Section 7.6 (Socioeconomic Impacts).

3) Landmarks and Sensitive Areas
Refer to the *Landmarks and Sensitive Areas* portion of Section 7.6 (Socioeconomic Impacts).

4) Noise Impacts
Refer to the *Noise* portion of Section 7.6 (Socioeconomic Impacts).

5) Transportation Impacts
Refer to the *Transportation Impacts* portion of Section 7.6 (Socioeconomic Impacts).

6) FAA Impacts
Refer to the *FAA Impacts* portion of Section 7.6 (Socioeconomic Impacts).

7) Economic Development
Refer to the *Economic Development* portion of Section 7.6 (Socioeconomic Impacts).

Form N - Site Development Interconnection Arrangements

1) Please indicate if the proposed generator will interconnect with the DPL transmission or distribution system.

X_____ New Transmission Interconnection _____ Increase generating Capacity

2) Indicate the type of interconnection service that will be requested.

X_____ Network Resource Interconnection Service _____ Energy Resource Interconnection Service

3) Will the proposed generator interconnect with an existing substation / switchyard or require the construction of a new substation or switchyard?

__X_____ Existing Substation or Switchyard _____ New Substation or Switchyard

4) Provide substation or switchyard number as used by the PJM ISO (PNODE ID from PJM LMP Bus Model).

[redacted]

5) Describe the location of the proposed point of interconnection, such as the name of an existing substation or switchyard, or the point on an existing transmission line, such as x-miles south of ABC Substation or halfway between ABC and XYZ substation. Provide the County name and the Section, Township and Range of the proposed point of interconnection. Include the interconnection voltage.
Attach a USGS-based map showing the proposed locations.

Refer to Section 8 (Interconnection) and Appendix 5 for additional discussion.

6) Describe the electric interconnection facilities that have been included in the bid price, including the size, length and location of any transmission line and size and list of substation equipment for which the transmission customer (Bidder) will be responsible for building and owning.
Refer to Section 8 (Interconnection) and Appendix 5 for additional discussion.

Form N - Site Development Interconnection Arrangements

7) Please indicate if the proposed generator will require a new transmission interconnection or an expansion of an existing interconnection with the DPL system?
Refer to Section 8 (Interconnection) and Appendix 5 for additional discussion.

8) DPL will assume no network upgrades are included in the Bidder proposal unless specified. If network upgrades are included, please indicate the total assumed capital costs for all transmission interconnection facilities

Refer to Section 8 (Interconnection) and Appendix 5 for additional discussion.

9) DPL will assume no network upgrades are included in the Bidder proposal unless specified. If network upgrades are included, describe the specific transmission elements to be upgraded and include a narrative description of the upgrade plan.
Refer to Section 8 (Interconnection) and Appendix 5 for additional discussion.

10) If available, provide a copy of bidder's preliminary transmission interconnection study.
Refer to Appendix 5 for a copy of preliminary transmission interconnection study.

Form O - Financial Information

1) Bidder Legal Name: Indian River IGCC LLC

2) Physical Address: 211 Carnegie Center
Princeton, NJ 08540

3) Financial/Credit Contact Person: David Galvin
Position Title: Vice President - Structured Finance
Telephone: 609-524-4512
Fax: 609-524-4501
E-mail: david.galvin@nrgenergy.com

4) Federal Tax Identification Number [redacted]

5) Bidder Dun & Bradstreet Identification Number [redacted]

6) Bidder is (check all that apply)
a. Corporation ____
b. Partnership ____
c. Joint Venture ____
d. Sole Proprietorship ____
e. Limited Liability Company x
f. Limited Liability Partnership ____
g. Other (attach description)

7) Indicate if the bidder intends to use a guarantor. If yes, provide legal name of the guarantor.

[redacted]

8) Guarantor's Dun & Bradstreet Identification Number: ____

9) Bidder Credit Rating Information:

	Issuer Rating	Senior Unsecured Rating	Short-Term Rating
S&P			
Moody's			
Fitch			

10) Provide rating reports from the respective agencies for prior 36 months.

11) Guarantor Credit Rating Information (NRG Energy, Inc. will be acting solely as Project Sponsor)

	Issuer Rating	Senior Unsecured Rating	Short-Term Rating
S&P	B+	B-	B-2
Moody's	Ba3	B1	
Fitch	B	B+	

12) Provide rating reports from the respective agencies for prior 36 months.
See Appendix 7

Form O - Financial Information

13) If bidder is relying on guarantor for credit support, please describe the corporate relationship between bidder and guarantor. Also, provide a statement regarding the proposed guarantor's willingness to provide guarantee acceptable to DPL (see attachment to PPA).

Refer to Section 9 (Financing) for discussion regarding guarantor.

14) Provide audited financial statements for the last three years for bidder and guarantor (if applicable). If audited financial statements are not available, provide unaudited financial statements with CFO attestation. If financial statements are consolidated, provide stand-alone financial statements with CFO attestation for bidder and guarantor.

See Appendix 7 for financial statement of NRG Energy, Inc. (acting solely as Project Sponsor)

15) a For all related liquidity/credit lines for the bidder and/or guarantor (if applicable), list all credit lines and, for each credit line, provide the following information: **[NOTE: NRG will be acting as Project Sponsor, but not guarantor to the project.]**

a. Type of facility (i.e. 364-revolver, 3-year revolver or bilateral loan), size, expiration date

[redacted]

b. Issuing entity, obligor, guarantor, co-guarantor

[redacted]

c. How much of the facility can be drawn as cash and how much as letter of credit

[redacted]

d. What is current availability and usage under the line Provide, historical, minimum, maximum, average for the last 24 months

[redacted]

e. Indicate if this is a committed or uncommitted credit line

___x___ Committed _____Uncommitted

f. Does the credit line have a MAC clause? _____ Yes ___x__No

g. Does the facility have a security interests or springing security interests? If yes, describe security interest and/or springing security interests

[redacted]

i. Estimated collateral requirements in the event of credit downgrade (below investment grade). Provide minimum, maximum and average information for the last 24 months.

There are no estimated collateral requirements in the event of a downgrade.

Form O - Financial Information

15) b For all related liquidity/credit lines for the bidder and/or guarantor (if applicable), list all credit lines and, for each credit line, provide the following information:

a. Type of facility (i.e. 364-revolver, 3-year revolver or bilateral loan), size, expiration date

[redacted]

b. Issuing entity, obligor, guarantor, co-guarantor

[redacted]

c. How much of the facility can be drawn as cash and how much as letter of credit

[redacted]

d. What is current availability and usage under the line Provide, historical, minimum, maximum, average for the last 24 months

[redacted]

e. Indicate if this is a committed or uncommitted credit line

___x___ Committed _____Uncommitted

f. Does the credit line have a MAC clause? _____ Yes ___x__No

g. Does the facility have a security interests or springing security interests? If yes, describe security interest and/or springing security interests

[redacted]

i. Estimated collateral requirements in the event of credit downgrade (below investment grade). Provide minimum, maximum and average information for the last 24 months.
There are no estimated collateral requirements in the event of a downgrade.

16) Demonstrate that consolidation under FIN 46 will not occur under your proposal. Provide supporting information sufficient to enable Delmarva to independently verify such conclusion.
See attached letter.

17) Identify the primary financing sources for the construction phase of the project

Common Equity: [redacted] %
Preferred Equity: _____ %
Debt: [redacted] %

18) For financing in the construction stage, provide funding source (new equity, equity contribution from guarantor/parent, etc.). If equity contribution from parent, provide funding source at the parent level (cash in hand, debt, new equity).

See Section 9 of Bid Document for explanation of Financing Plan.

19) Identify the primary financing sources for the permanent financing of the project

Common Equity: [redacted] %
Preferred Equity: _____ %
Debt: [redacted] %

Form O - Financial Information

20) For the permanent financing, provide funding source (new equity, equity contribution from guarantor/parent, etc.). If equity contribution from parent, provide funding source at the parent level (cash in hand, debt, new equity).

See Section 9 of Bid Document for explanation of Financing Plan.

21) Attach pro-forma construction and operations worksheets in MS Excel format with formulas intact. Provide the balance sheet, income statement, and statement of cash flows for the life of the project.

See Section 9 of Bid Document for explanation of Financing Plan.

22) Provide a discussion of how this project and its financing may affect the credit metrics and credit ratings of the Bidder and/or its Parent / Credit Guarantor.

See Section 9 of Bid Document for explanation of Financing Plan.

23) Provide a statement demonstrating reasonable ability to finance the proposed facility based on past experience. Include a financial plan identifying approach to obtaining capital from the sources identified above including a letter from a financial institution stating that the project as proposed in this RFP is financeable.

See Section 9 of Bid Document for explanation of Financing Plan.

24) Identify and describe the source of required security at each stage of the project's life and provide plan for posting it. Include a demonstartion of the ability to post the security.

See Section 9 of Bid Document for explanation of Financing Plan.

Form P - Project Management

Bidders are required to demonstrate project experience and management capability to successfully develop and operate the Facility as proposed. Company is particularly interested in a project team which has demonstrated success in Projects of a similar nature, type, size and technology and can demonstrate an ability to effectively work together and for greenfield projects to bring the Facility to COD.

1) Provide an organizational chart for the Facility that lists the participants and consultants and identifies the management structure and responsibilities.
See section 10 Project Management; article 10.8 Project Management Team and Key Staff Figure 10-6

2) For each of the participants (i.e., project developer, A/E firm, EPC firm, fuel supplier, environmental staff or consulting firm, legal services, etc.) provide brief experience statements which lists the specific experience of the firm, other projects of similar nature, type, size and technology, and any evidence that the participants have worked jointly on other projects.

See Section 10 Project Management, articles 10.3 -10.8

3) Provide a management chart that lists the key management personnel, title, lines of responsibility and reporting requirements for the Facility project team.
See Section 10.9 (Project Management Team & Key Staff) and Figure 10-6.

4) Provide the resumes of the important project management and key support staff dedicated to the Facility.
See Section 10 Project Management, article 10.8

5) Provide documentation regarding the contractual relationship between the project sponsor and all additional participants or vendors. Indicate the status of any arrangements between the Bidder and vendors.
Contractual relationships are currently being formulated with EPC contractor and gasifier supplier. See Section 10 (Project Management) for further discussion.

Form P - Project Management

6) Provide a listing of all similar projects the Bidder has successfully developed. Provide the following information as part of the response:
   - Name of the project
   - Location of the project
   - Project type, size and technology
   - Purchasing utility
   - Schedule and actual commercial operation date
   - Whether the unit is dispatchable or must-run
   - Capacity factor of the unit for its entire term of operation
   - Availability factor of the unit for its entire term of operation
   - Sponsor's role in the project
   - Identify any environmental violations

   See Section 10 (Project Management) for discussion regarding NRG and potential partners experience in gasification and generation projects.

7) Provide copies of report material related to safety of operations including reports on reportable injuries, instances of accidents, injuries, or fatalities, lost workday injuries, loss of operations due to safety issues, etc. at facilities currently owned or maintained by the Bidder.

   See Section 11 Operations and Maintenance; article 11.6 Safety History and Program

8) Describe Bidder's commitment to safety of operations including any operating practices designed to encourage safety commitments (such as bonus programs related to safety performance).

   See Section 11 Operations and Maintenance; article 11.6 Safety History and Program

Form Q - O&M Plan

Operations and maintenance (O&M) is an important element of successful Facility operations. Bidders should demonstrate that the Facility's maintenance plan, level of funding and mechanism for funding will ensure reliable operation.

1) Provide a detailed operation and maintenance plan for the Facility that contains the following information:

a. Description of the O&M funding and funding level;
Funding for the initial Operations and Maintenance expenses is included in the overall project financing (see Section 9)

b. The basis for selecting the funding mechanism.
Refer to Section 9 (Financing)

c. The O&M staffing levels expected for the Facility, including the on-site staffing levels and other resources available during a forced outage;
See Organization Chart Figure 11-1.

d. The expected role of the Bidder or outside contractors in providing maintenance services;
Refer to Section 11 (Operations and Maintenance) for discussion of maintenance services.

e. Plans for staffing the Facility, including the delegation of environmental compliance responsibilities; and
See Section 11 Operations and Maintenance 11-1 Overview. Environmental compliance will be the responsibility of plant management.

f. Detailed plans for maintenance on the major pieces of equipment, including the frequency of preventative maintenance.
See Section 11 Operations and Maintenance 11-4 Planned Maintenance.

g. Description of any operational guarantees to be in place at the facility.
Performance guarantees will be negotiated with the EPC contractor.

2) Describe the status of the Bidder in securing any maintenance agreements or contracts. Indicate the preferred provider and if available, provide copies of the agreements or contracts.

Discussion of Long Term Service Agreements is included in Section 11 (Operations and Maintenance).

3) Indicate the expected annual fixed O&M cost in $/kWyear and annual average non-fuel variable O&M operating costs in $/MWh. This data may be used to support the computer simulation exercise in the Detailed Evaluation.

Refer to Section 11 (Operation and Maintenance) for information on O&M costs

Form R - PPA Pricing

As indicated in the RFP, bidders are required to provide pricing schedules for capacity and energy (including ancillary services) under the proposed PPA. In addition to pricing schedules, bidders should provide a narrative discussion of the proposed pricing schedule including fixed and variable pricing. If formulaic pricing options are included, DPL request bidders to provide a sample of the calculation including a description of the components.

Separate forms must be submitted for any pricing alternatives, including pricing options tied to a general inflation index, alternate in-service year options, or of the volumetric differences.

Pricing and Volume Schedules

Capacity

- Pricing schedules for capacity should reflect either (a) a levelized fixed payment in $/kWmonth over the life of the contract or (b) a combination of fixed and indexed payments (indices will be subject to the limits set forth in the RFP).
- Pricing schedule should indicate proposed contract volume.
- Volume should be tied to the net summer capacity rating of the generation project; for intermittent renewable energy projects UCAP should be used.

Energy

All pricing must be provided in terms of current year dollars, also referred to as nominal or escalated dollars. Bidders may propose prices that are either fixed for the term, escalate at a known (non-indexed) rate or subject to escalation tied to an index that is clearly and closely related to the item being escalated.

- Provide a discussion the proposed energy pricing schedule including fixed and variable pricing.
- If using indexed pricing, provide the index (e.g. Henry Hub).
- If prices are escalated, provide the escalation basis (e.g. fixed percentage, CPI, PPI, GDP Deflator).
- All indices or escalators relied on in the price proposal must be described in sufficient detail to allow for easy identification of the item. Only indices and escalators available through public sources will be acceptable for purposes of the PPA.
- If using caps or collars, levels should be clearly specified.

Ancillary Services

- Bidders should specify the ancillary services that the Facility is capable of providing and the level of availability for each product and whether compensation is included in the capacity payments or bidder is proposing separate pricing.

Renewable Energy Certificates

- Bidders of renewable projects should specify the RECs that the facility can provide based on tis expected annual output and the RECs proposed to be sold to Delmarva and the associated price.

Form S - Imputed Debt Offset Information

EXHIBIT 1

Example:

Assumptions:

PPA Capacity Payment ($/kW-mo	$ [redacted]
Capacity (MW)	
Contract Term	
Imputed Debt Equivalence	
Company's Debt/Equity Ratios	
Company's Cost of Equity	
Company's Discount Rate	
Tax Rate	
S&P Discount Rate	

Sample Capital Structure:

	Ratio (%)	Cost Rate(%)	Discount Rate (%)
Equity	[redacted]	[redacted]	[redacted]
Debt	[redacted]		[redacted]
	100.0		

	Year 1 2013	Year 2 2014	Year 3 2015	Year 4 2016	Year 5 2017	Year 6 2018	Year 7 2019	Year 8 2020	Year 9 2021	Year 10 2022
Inflation index	[redacted]									
Capacity Price $/kW-month	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Capacity Payment	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
NPV of Capacity Payments	$[redacted]	$[redacted]	$[redacted]	$[redacted]	$[redacted]	$[redacted]	$[redacted]	[redacted]	[redacted]	[redacted]
Imputed Debt										
Incremental Equity Need										
Additional Pre-Tax Revenue Requirement:										
Pre-Tax Equity Return	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Offset from Debt Reduction										
* Additional Pre-Tax Revenue Requirement:	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$[redacted]	$[redacted]	[redacted]	[redacted]

* Dollars to be used in Price Evaluation

[redacted]

Year 11 2023	Year 12 2024	Year 13 2025	Year 14 2026	Year 15 2027	Year 16 2028	Year 17 2029	Year 18 2030	Year 19 2031	Year 20 2032	Year 21 2033	Year 22 2034	Year 23 2035	Year 24 2036	Year 25 2037
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]