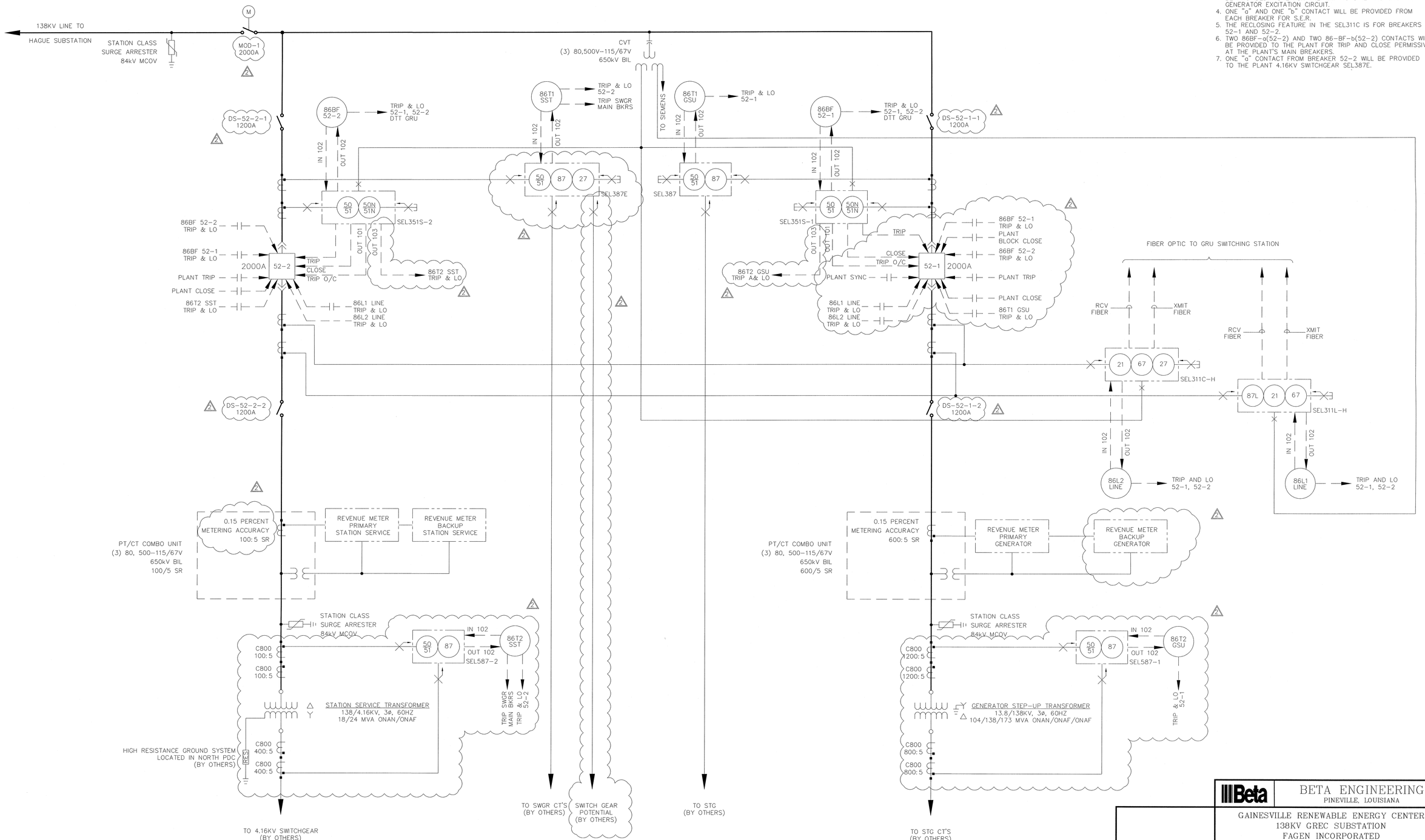
EXHIBIT A –

INTERCONNECTION ONE-LINE DIAGRAM

NOTES:
1. TWO "a" AND TWO "b" CONTACTS WILL BE PROVIDED FROM EACH BREAKER AND EACH AIR BREAK DISCONNECT SWITCH FOR USE AS STATUS.
2. TWO TRIP AND TWO RESET CONTACTS WILL BE PROVIDED EACH LOCKOUT RELAY FOR PLANT USE.
3. TWO SEPARATE SIGNALS FROM EACH LOCKOUT RELAY WILL BE PROVIDED. ONE FOR THE TRIP TURBINE AND ONE FOR GENERATOR EXCITATION CIRCUIT.
4. ONE "a" AND ONE "b" CONTACT WILL BE PROVIDED FROM EACH BREAKER FOR S.E.R.
5. THE RECLOSING FEATURE IN THE SEL311C IS FOR BREAKERS 52-1 AND 52-2.
6. TWO 86BF-a(52-2) AND TWO 86-BF-b(52-2) CONTACTS WILL BE PROVIDED TO THE PLANT FOR TRIP AND CLOSE PERMISSIVES AT THE PLANT'S MAIN BREAKERS.
7. ONE "a" CONTACT FROM BREAKER 52-2 WILL BE PROVIDED TO THE PLANT 4.16KV SWITCHGEAR SEL387E.



558AE101

No.	DATE	DESCRIPTION OF ISSUE OR REVISION	DR.	CK.	APP.
2	10/24/11	REVISED PER CUSTOMER COMMENTS	JLS		
1	9/30/11	ISSUED FOR CONSTRUCTION	JLS	JAS	SWL

DRAWING No. | REFERENCES

☐-PRELIMINARY
☐-FOR APPROVAL
■-CONSTRUCTION
☐-AS BUILT

SEAL

Beta
BETA ENGINEERING
PINEVILLE, LOUISIANA

GAINESVILLE RENEWABLE ENERGY CENTER
138KV GREC SUBSTATION
FAGEN INCORPORATED

ONE LINE

PROJECT NUMBER
B558

DATE	SCALE	DRAWN BY	CHECKED	APPROVED	DRAWING NUMBER	REV.
08/19/11	NTS	JLS	JAS	SWL	B558-A-E101	1

EXISTING 138KV GRU
LINE 22 TO ALACHUA

STATION CLASS
SURGE ARRESTER
84kV MCOV

CVT
(3) 80,500V–115/67V
650kV BIL

1603
2000A

1602
2000A

1601
2000A

C800
2000/5

86A1 LINE
TRIP & LO

86A2 LINE
TRIP & LO

86G1 LINE
TRIP & LO

86G2 LINE
TRIP & LO

21 67 27
SEL311C–A

OUT 102
IN 102

86A1
LINE

86A2
LINE

TRIP & LO
1602, 1605

87L 21 67
SEL311L–A

FIBER
RCV

FIBER
XMIT

138KV LINE TO
GREC SUBSTATION

TRIP & LO
1602, 1605, 1608
DTT LINE 22
DTT GREC

86BF
1602

86BF 1602
TRIP & LO

TRIP
CLOSE
TRIP O/C

86BF 1605
TRIP & LO

86BF 1608
TRIP & LO

FIBER OPTIC TO ALACHUA

50
51

50N
51N

25
SEL351S–2

1604
2000A

86BF
1605

TRIP & LO
1602, 1605, 1608
DTT LINE 21
DTT LINE 22

SEL351S–5

2000A
1605

86D1 LINE
TRIP & LO

86D2 LINE
TRIP & LO

86BF
1608

TRIP & LO
1602, 1605, 1608
DTT LINE 21
DTT GREC

SEL351S–8

1606
2000A

(1) 50kVA SSVT
SINGLE PHASE (Bø)
80kV–120/240V
650kV BIL

TRIP & LO
1602, 1608

86G1
LINE

86G2
LINE

TRIP & LO
1602, 1608

SEL311C–G

SEL311L–G

FIBER OPTIC TO GREC

1607
2000A

1608
2000A

1609
2000A

86D1
LINE

TRIP & LO
1605, 1608

86D2
LINE

TRIP & LO
1605, 1608

SEL311L–D

SEL311C–D

STATION CLASS
SURGE ARRESTER
84kV MCOV

CVT
(3) 80,500V–115/67V
650kV BIL

EXISTING 138KV GRU
LINE 21 TO DEERHAVEN

FIBER OPTIC TO DEERHAVEN

REV	DESCRIPTION	BY	DATE
2	REVISED PER CUST. COMMENTS	JLS	11/3/11
1	ISSUED FOR CONSTRUCTION	JLS	9/30/11

BETA ENGINEERING
PINEVILLE, LOUISIANA

PROJECT NUMBER
B558

DRAWING NO.
B558–B–E101

Gainesville Regional Utilities
Gainesville, Florida

138KV HAGUE SUBSTATION
AC LOGIC ONE LINE DIAGRAM

Drafted by: JLS	Date: 8/19/11	Drawing Number	Rev.
Approved by: SWL	Date: 8/19/11	HG–D1300	2
Ref. – Drawing Number:		CADNO 558BE101	

EXHIBIT B - GREC FACILITY PERFORMANCE SPECIFICATIONS

FACILITY TYPE:		**MAXIMUM SUSTAINED RAMP RATE**	
MAJOR EQUIPMENT DESCRIPTION		**UNIT INTERTIA CONSTANT (H)**	
CONTRACT CAPACITY		**GOVERNOR TYPE**	
MINIMUM LOAD (DISPATCHABLE/MWn)		**DROOP SETTING**	
MINIMUM LOAD (EMERGENCY/MWn)		**DEADBAND SETTINGS**	
COLD START TIME TO FULL LOAD (ON AGC)		**OTHER RESPONSE CHARACTERISTICS**	
HOT START TIME TO FULL LOAD (ON AGC)		**PRIMARY/ALTERNATE PRIME MOVER CONTROL MODES**	

Submitted By:	**Date:**

EXHIBIT C - GRU NOTICE TO DISPATCH FORM

REQUESTED BY:	
REQUEST DATE:	
TIME READY FOR AGC:	
RAMP RATE:	
MW LOAD (GROSS)	
MW LOAD (NET)	
NOTICE APPROVAL BY GRU PSC:	
DATE/TIME APPROVED:	
Notification of Approval to GREC:	

Comments:	

Requires authority by GRU prior to performing synchronization.

EXHIBIT D - GREC OPERATOR REQUEST TO DISPATCH FORM

REQUESTED BY (PSC):	
REQUEST DATE:	
TIME READY FOR AGC:	
RAMP RATE:	
MW LOAD (NET) MINIMUM:	
MW LOAD (NET) MAXIMUM:	
APPROVED BY: (GRU)	
DATE/TIME APPROVED:	

Special Instructions:

The GREC Operator shall make all reasonalbe efforts to provide issuance of any Request to Dispatch at least 24 hours prior to the requested synchronization or "at minimum load on AGC" time (GRU's disrection)

EXHIBIT E - EVENT REPORT FORM

UNIT: GREC	**EVENT DESCRIPTION:**	
Part I	**DATE/TIME:**	
	REDUCED CAPACITY/ **CURTAILED GENERATION**	
	Excitation System Capability	
Part II	**Root Cause**	
	Corrective Action	
	Other	
Submitted by: Date/Time Submitted:		

Received by (GRU): Date/Time Received:

COMMENTS:

Note: Unit Returned to Service Date/Time:

EXHIBIT F
GREC MONTHLY GENERATION FORECAST
SCHEDULED EVENTS

MONTH: _____

SCHEDULED EVENTS			DURATION		
DAY	EVENT DESCRIPTION	MW DERATE	START TIME	END TIME	AVAILABLE MW(NET)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
TOTAL					

Due on or before 20th day of the prior month.

EXHIBIT G
GREC DAILY GENERATION FORECAST
CURRENT DAY REPORT

DATE _____

SEASON: (CIRCLE ONE)
SUMMER/WINTER

OPERATIONAL LIMITS (MW)			AGC		OUTAGE		
Hour	LOW	HIGH	ENABLED	DISABLED	FORCED	SCHEDULED	DURATION
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

FUEL SUPPLY			**FULL LOAD CAPACITY**			**AVR STATUS**	
VOLUME	**TONNAGE**		**HOURS**	**DAYS**		**ON**	**OFF**

Due by 7:00 a.m. daily.

EXHIBIT H
FACILITY STATUS
PRIOR DAY REPORT

DATE: _____

	GENERATION		AGC STATUS		OUTAGE		
Hour	MWH	MVAR	ENABLED	DISABLED	LIMITED OUTPUT	AVAILABLE MW(NET)	FORCED SCHEDULE DURATION
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
TOTAL							

REASON FOR LIMITATION:

Due by 7:00 a.m. daily.

EXHIBIT I

OUTAGE REQUEST FORM

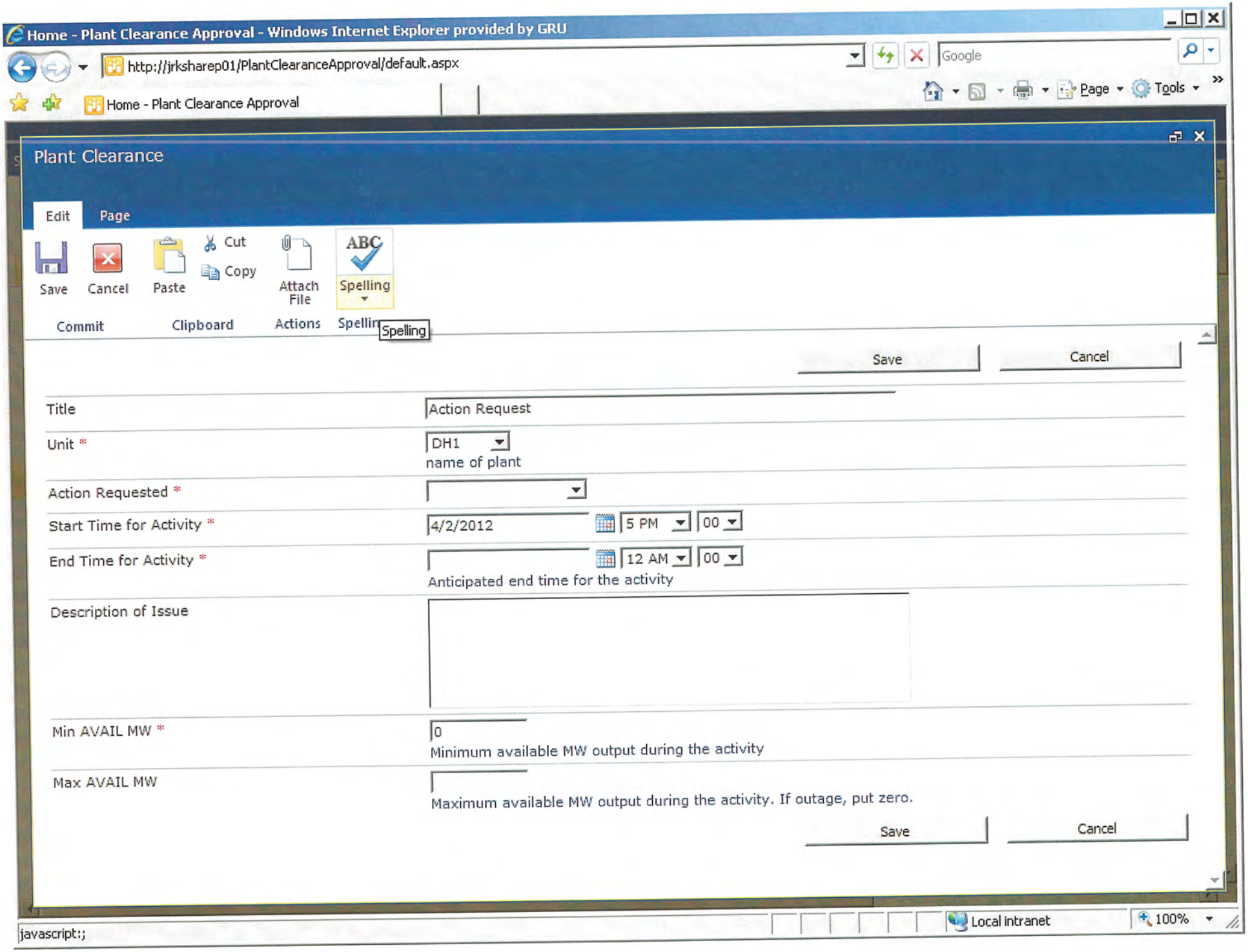

Home - Plant Clearance Approval - Windows Internet Explorer provided by GRU
http://jrksharep01/PlantClearanceApproval/default.aspx
Google
Page
Tools
Home - Plant Clearance Approval
Plant Clearance
Edit
Page
Save
Cancel
Paste
Cut
Copy
Attach File
Spelling
Commit
Clipboard
Actions
Spelling
Save
Cancel
Title
Action Request
Unit *
DH1
name of plant
Action Requested *
Start Time for Activity *
4/2/2012
5 PM
00
End Time for Activity *
12 AM
00
Anticipated end time for the activity
Description of Issue
Min AVAIL MW *
0
Minimum available MW output during the activity
Max AVAIL MW
Maximum available MW output during the activity. If outage, put zero.
Save
Cancel
javascript:;
Local intranet
100%

EXHIBIT J
GREC GENERATOR CAPABILITY CURVE

(TO BE SCANNED AND EMBEDDED)

EXHIBIT K

DEPENDABLE CAPACITY TEST PROCEDURE

Appendix IX
Initial Testing Standards and Operational Capacity Testing

1. Initial Testing Standards.

1.1 Seller's original contracted capacity is one hundred (100) MWs net of the Facility's parasitic load requirements.

1.2 Estimated Dependable Capacity shall be determined as set forth in this Appendix IX.

1.3 The Seller shall notify the Purchaser when the Facility is ready for the first test to determine the Estimated Dependable Capacity (the "Initial Capacity Test"). Seller shall perform and Purchaser shall monitor the Initial Capacity Test within a reasonable time period.

1.4 During the Initial Capacity Test, the Seller shall operate all Facility equipment (a) as normal expected throughout the life of the contract, (b) within the engineering specifications of the equipment, and (c) in compliance with Good Utility Practice.

1.5 The Initial Capacity Test shall be run at sustained original contracted capacity for twelve (12) hours. Integrated generation, net of parasitic load, for the Initial Capacity Test period shall be greater than one thousand two hundred (1,200) MWhs.

1.5.1 The Initial Capacity Test shall be considered as failed if (a) integrated generation, net of parasitic load, for the Initial Capacity Test period is less than one thousand two hundred (1,200) MWhs or (b) if integrated generation, net of parasitic load, is less than twenty-three and three-quarter (23.75) MWhs for any fifteen (15) minute period during the Initial Capacity Test, such a failure during any fifteen (15) minute period shall constitute a Forced (Full or Partial) Outage and terminate the test.

1.5.2 The Seller shall have a total of three (3) opportunities to successfully complete the Initial Capacity Test. The notification provisions of this Appendix IX shall be amended to twenty-four (24) hours for the second and third (final) tests.

1.6 After a third failure of an Initial Capacity Test, not terminated by a Forced Outage, to achieve greater than or equal to 1,200 MWhs, the Seller shall have three (3) months, or until the Guaranteed Commercial Operation Date, whichever is later, to correct the problems and complete a successful retest as described in this Appendix IX. During the period between such a third failure of an Initial Capacity Test and a successful retest, for any part of such period that is after the Guaranteed Commercial Operation Date, the Seller will compensate the Purchaser for the net additional costs, if any, incurred by Purchaser due to lost capacity, Energy, and Renewable Energy Credits. Alternatively, the Seller may establish a

new contracted capacity, if agreeable to the Purchaser. To the extent the Dependable Capacity determined upon the Commercial Operation Date is set below the original contracted capacity, the Seller shall pay to Purchaser Fifty Dollars ($50) per KW for the differences as liquidated damages for the detrimental impact upon Purchaser's generation planning.

1.7 After a third failure to successfully conduct the Initial Capacity Test for reasons of reliability (all tests terminated by Forced Outage), the Seller shall have three (3) months to correct the problems and complete a successful retest as described in this Appendix IX. During this period the Seller will compensate the Purchaser for lost capacity, energy and Renewable Energy Credits. Should the retests also fail for reasons of reliability, the Seller will not be entitled to the Non-Fuel Energy Charge or Fixed O&M Charge until twelve (12) months after such reliability is established.

1.8 After successful completion of the Initial Capacity Test, the Seller may set the Estimated Dependable Capacity at any level up to the tested capacity, except that the Seller may not set the Estimated Dependable Capacity at more than one hundred and two and one-half percent (102.5%) of the original contracted capacity.

2. Operational Capacity Testing.

2.1 Upon completion of the first period (*i.e.*, either Summer Period or Winter Period) after the Commercial Operations Date, the Facility shall be rerated by testing as described in this Appendix IX. At least fourteen (14) days prior to completion of that first period, Seller shall designate a new Estimated Dependable Capacity and any payments for Dependable Capacity shall be made based on this new Estimated Dependable Capacity. This new Estimated Dependable Capacity shall not exceed one hundred and two and one-half percent (102.5%) of the original contracted capacity. Within the first fourteen (14) days of the applicable Summer or Winter Period, Purchaser shall monitor a test of the Dependable Capacity. Purchaser may, at its sole discretion, request one additional test if Purchaser is not satisfied with the results of that first test. If the test results indicate that the Facility's Dependable Capacity is less than the Estimated Dependable Capacity designated by the Seller, and if Purchaser requests an additional test, the number of days that pass between the date of the first test and the date Seller notified Purchaser that the Facility is ready for an additional test shall be counted as Forced Full Outage days. Upon successful completion of such test, Seller may set the Dependable Capacity rating at any level up to the tested capacity, except that the Seller may not set the Dependable Capacity at any level in excess of one hundred and two and one-half percent (102.5%) of the original contracted capacity. If the Dependable Capacity is set above the new Estimated Dependable Capacity as designated pursuant to this section, payments for Dependable Capacity shall be increased accordingly, effective the day testing is complete. If the Dependable Capacity is set below the new Estimated Dependable Capacity as designated pursuant to this section, payments for Dependable Capacity shall be

decreased accordingly, retroactive to the first day of the applicable Summer or Winter Period, and any overpayments shall be refunded to Purchaser with interest at the Late Payment Rate as if such overpayments had became due and payable on the day such overpayment was made.

2.2 Not less than fourteen (14) days prior to the start of each Summer and Winter Period thereafter and throughout the Delivery Term (a "Demonstration Period"), Seller may designate a new Estimated Dependable Capacity for such period, and Payments for Dependable Capacity shall be made based on such new Estimated Dependable Capacity. This new Estimated Dependable Capacity shall not exceed one hundred and two and one-half percent (102.5%) of the original contracted capacity. If Seller does not elect to change the Dependable Capacity, pursuant to this Section, then the Dependable Capacity rating in effect at the conclusion of the same seasonal period (*i.e.*, Summer or Winter) which began in the previous year shall became effective. If Seller does elect to change the Dependable Capacity in this manner, then Purchaser may monitor a test of the Dependable Capacity as described herein at any time within the first fourteen (14) days of the Demonstration Period for such seasonal period. Purchaser may, at its sole discretion, request one additional test if Purchaser is not satisfied with the results of that first test. The number of days that pass between the date of that first test and the date Seller notifies Purchaser that the Facility is ready for an additional test shall be counted as Forced Full Outage days. Seller my set the Dependable Capacity rating at any level up to the tested capacity, except that the Seller may not set the Dependable Capacity at any level in excess of one hundred and two and one-half percent (102.5%) of the original contracted capacity. If the Dependable Capacity is set below the new Estimated Dependable Capacity as designated pursuant to this section, payments for Dependable Capacity shall be decreased accordingly, retroactive to the first day of the applicable Summer or Winter Period, and any overpayments shall be refunded to Purchaser with interest at the Late Payment Rate as if such overpayments had became due and payable on the day such overpayment was made.

2.3 In addition, Purchaser may request new tests of Dependable Capacity (a) once per Demonstration Period at Purchaser's sole discretion, and (b) any time Seller fails to meet the operating levels prescribed by Purchaser, pursuant to Section 10, *Dispatch and Scheduling*. In either of these cases the Purchaser may, at its sole discretion, request one additional test if Purchaser is not satisfied with the results of that first test. The number of days that pass between the date of that first test and the date Seller notifies Purchaser that the Facility is ready for an additional test shall be counted as Forced Full Outage days. At the conclusion of a successful test, Seller my set the Dependable Capacity rating at any level up to the tested capacity, except that the Seller may not set the Dependable Capacity at any level in excess of one hundred and two and one-half percent (102.5%) of the original contracted capacity. If the Dependable Capacity is set below the new Estimated Dependable Capacity as designated pursuant to this section, payments for Dependable Capacity shall be decreased accordingly, retroactive to the first

day of the applicable Summer or Winter Period, and any overpayments shall be refunded to Purchaser with interest at the Late Payment Rate as if such overpayments had became due and payable on the day such overpayment was made.

2.4 Testing of Dependable Capacity shall be in accordance with the following provisions:

(a) Summer Period test shall last for twelve (12) hours from the time such testing is initiated. If integrated generation, net of parasitic load, is less than ninety-five percent (95%) of the prior Estimated Dependable Capacity or Dependable Capacity, as appropriate, for any 15 (fifteen) minute period during the Dependable Capacity Test, such failure shall constitute a Forced Outage and terminate the test.

(b) Winter Period test shall last for six (6) hours from the time such testing is initiated. If integrated generation, net of parasitic load, is less than ninety-five percent (95%) of the prior Estimated Dependable Capacity or Dependable Capacity, as appropriate, for any fifteen (15) minute period during the Dependable Capacity Test, such failure shall constitute a Forced Outage and terminate the test.

(c) During any capacity test, the Seller shall operate all Facility equipment (i) as normal expected throughout the life of the contract, (ii) within the engineering specifications of the equipment, and (iii) in compliance with Good Utility Practice.