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RECEIVED-FPSC

COMMISSION CLERK GULF ASOUTHERN COMPANY

\_\_\_\_\_ claim of confidentiality \_\_\_\_\_\_ notice of intent \_\_\_\_\_\_ request for confidentiality \_\_\_\_\_\_ filed by OPC

For DN 05354-11, which

is in locked storage. You must be authorized to view this DN.-CLK

July 29, 2011

Ms. Ann Cole, Commission Clerk Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, FL 32399-0850

Dear Ms. Cole:

RE: Docket No. 110001-EI

Enclosed is an original and seven copies of Gulf Power Company's Request for Confidential Classification regarding Gulf's Risk Management Plan dated August 1, 2011.

Regards,

Dusan Ritenour (RWD)

COM \_\_\_\_\_nm APA \_\_\_\_\_ ECR 3t Enclosures GCL \_\_\_\_\_ Containing request and exhibit C. RAD \_\_\_\_\_ cc: Beggs & Lane Jeffrey A. Stone, Esq. ADM \_\_\_\_\_ OPC \_\_\_\_\_ CLK \_\_\_\_

DOCUMENT NUMBER-DATE 0 5 3 5 3 AUG -1 = FPSC-COMMISSION CLERK

#### BEFORE THE PUBLIC SERVICE COMMISSION

IN RE: Fuel and purchased power cost recovery clause and generating performance incentive factor

Docket No.: Date filed: 110001-EI August 1, 2011

#### **REQUEST FOR CONFIDENTIAL CLASSIFICATION**

GULF POWER COMPANY ["Gulf Power", "Gulf", or the "Company"], by and through its undersigned attorneys and pursuant to Rule 25-22.006, Florida Administrative Code, hereby files its request that the Florida Public Service Commission enter an order protecting from public disclosure certain portions of Gulf Power's Risk Management Plan for Fuel Procurement. As grounds for this request, the Company states:

1. Portions of Gulf Power's Risk Management Plan for Fuel Procurement are entitled to confidential classification pursuant to section 366.093(3)(d) and (e), Florida Statutes, as information, the public disclosure of which could cause irreparable harm to the competitive interests of Gulf Power and the ability of Gulf to enter into contracts on terms favorable to it and its ratepayers. The Risk Management Plan for Fuel Procurement contains, in a single resource, detailed information about Gulf's fuel procurement strategy, including technology selection criteria, for the near term and into the future. Gulf Power and the other market participants for fuel, fuel transportation and fuel storage consider this detailed information to be competitively sensitive. The document discusses how Gulf manages its fuel procurement with specific details regarding Gulf's fuel needs, market position, and trends it sees in those markets in which it addresses its fuel needs. In addition, the fuel procurement strategy utilized by Gulf is discussed in detail. Pricing information is also included in this document. Similar information is not made public by other fuel market participants. Making this information public would give these other DOCUMENT NUMBER-DATE

05353 AUG-I = FPSC-COMMISSION CLERK

market participants a competitive advantage over Gulf which would prevent Gulf from procuring its fuel needs in a manner that secures the best price and terms for its customers.

2. The information filed pursuant to this Request is intended to be, and is treated as, confidential by Gulf Power and, to this attorney's knowledge, has not been otherwise publicly disclosed.

3. The Commission granted confidential classification for previous versions of Gulf Power Company's Risk Management Plan for Fuel Procurement in Florida Public Service Commission Order Nos. PSC-03-0032-CFO-EI, PSC-04-1056-CFO-EI, PSC 05-0700-CFO-EI, PSC-06-0636-CFO-EI, PSC-09-0284-CFO-EI and PSC-10-0189-CFO-EI.

4. Submitted as Exhibit "A" is a highlighted copy of Gulf Power's Risk Management Plan for Fuel Procurement. Exhibit "A" should be treated as confidential pending a ruling on this request. Attached as Exhibit "B" are two (2) edited copies of Gulf Power's Risk Management Plan for Fuel Procurement, which may be made available for public review and inspection. Attached as Exhibit "C" to this request is a line-by-line/field-by-field justification for the request for confidential classification.

WHEREFORE, Gulf Power Company respectfully requests that the Commission enter an order protecting the information highlighted on Exhibit "A" from public disclosure as proprietary confidential business information. Respectfully submitted this 29<sup>th</sup> day of July, 2011.

JEFFREY & STONE Florida Bar No. 325953 RUSSELL A. BADDERS Florida Bar No. 007455 STEVEN R. GRIFFIN Florida Bar No. 627569 Beggs & Lane P.O. Box 12950 Pensacola, FL 32591 (850) 432-2451 Attorneys for Gulf Power

#### BEFORE THE PUBLIC SERVICE COMMISSION

IN RE: Fuel and purchased power cost recovery clause and generating performance incentive factor

Docket No.: 110001-EI Date filed: August 1, 2011

\_\_\_\_\_)

#### **REQUEST FOR CONFIDENTIAL CLASSIFICATION**

#### Exhibit "A"

Provided to the Commission Clerk

under separate cover as confidential information.

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Exhibit "B"

REDACTED

# REDACTED

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a strategy for long-term coal procurement. Weather, economic conditions and natural
 gas price volatility will continue to impact future coal burn requirements.

3	
4	Southern Company currently owns or manages
5	gas generating capacity and is projected to install an additional
6	2010 and 2013. This increase in natural gas capacity within the Southern Company
7	system, in conjunction with the recent increased competitiveness of natural gas
8	generation, has resulted in additional uncertainty for future coal generation.
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8	Pricing Risk and Strategy
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10	Competing for energy market share with other utilities and power marketers requires
11	competitive energy pricing. Because more than 50 percent of the cost for coal-fired
12	generation is fuel, competitively priced coal supplies should be maintained.
13	
14	The objective is to have a portfolio of long-term agreements and spot coal purchases
15	that provide pricing at or below market at any given point in time.
16	
17	Where negotiations allow, mechanisms to achieve this objective include:
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1 <b>9</b>	
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28	Due to the size of our system, the volume of purchases made at a particular time can
29	impact the market. Ranking bid proposals in order of least cost and cumulative volume
30	produces a price curve similar to the following:

5

#### Docket No. 110001-EI **Risk Management Plan for Fuel Procurement** Exhibit HRB-4, Page 6 of 68



#### **Diversity of Supply Risk and Strategy** 24

25

There is a risk in relying on one or two large suppliers from a single region to meet 26 supply needs. Also, having the ability to burn coal from various regions will decrease the 27 availability risk associated with lack of supply in a particular region. Diversifying supply 28 will also keep competition strong among the suppliers, which, in turn, will continue to 29 foster competitive market prices. 30

Docket No. 110001-EI Risk Management Plan for Fuel Procurement Exhibit HRB-4, Page 7 of 68



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5

#### 4 Environmental Risk and Strategy

When procuring coal for a term greater than 12 months, the potential impact from future 6 changes in environmental laws and regulations, which may render the burning of coal 7 as non-economic to our system, is a significant risk that must be mitigated. When 8 executing new long-term coal supply agreements, environmental language will be 9 included that mitigates the risks associated with current as well as future environmental 10 issues. This environmental language will continue to allow the company the maximum 11 flexibility and discretion to modify and/or terminate such agreements based on its sole 12 judgment. Environmental language must be absolutely clear that neither coal nor 13 transportation suppliers have the right to review or question our selected environmental 14 compliance strategy. 15

16

One new regulation, the Cross-State Air Pollution Rule, was finalized on July 6, 2011. 17 18 The U.S. Environmental Protection Agency (EPA) finalized (CSAPR), replacing the 2005 Clean Air Interstate Rule (CAIR). The CSAPR was previously referred to as the 19 Clean Air Transport Rule, or CATR, in EPA's initial draft. A December 2008 court 20 decision found flaws in CAIR, but kept CAIR requirements in place temporarily while 21 directing EPA to issue a replacement rule. According to the EPA, the CSAPR meets the 22 Clean Air Act requirements and responds to the court's concerns. Similar to CAIR and 23 24 the Title IV Acid Raid program, CSAPR is a regional market-based compliance regime requiring reductions of power plant SO2 and NOx emissions that cross state lines and 25 contribute to ground-level ozone and fine particle pollution in other states. The state of 26 27 Florida is included in the 27 states that are covered by CSAPR and are only subject to Seasonal NOx compliance during May through September beginning in 2012. 28

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Docket No. 110001-EI Risk Management Plan for Fuel Procurement Exhibit HRB-4, Page 9 of 68

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10	<u>Strategic Plan</u>
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12	As mentioned above, when procuring coal for Gulf, the Crist and Smith plants will be
13	grouped together because of their common supply source and transportation mode.
14	Diversity of supply and flexibility will be important aspects of their fuel supply strategy.
15	
16	On the other hand, Scholz can burn similar quality coals, but its transportation mode
17	differs because it is rail served. The co-owned plant, Daniel, will be treated individually.
18	
19	Crist - In 2012, Crist will be served by Marquette Transportation Company LLC. Crist
20	burns between 1.9 and 3 million tons of coal a year and must comply with a state SO2
21	emission limit of 2.4 pounds SO2/MMBTU. For the past several years, Crist has burned
22	low sulfur Illinois Basin coal from the Galatia mine.
23	Crist
24	can also burn Colombian import coals, as well as coals from Colorado, Utah and the
25	Central Appalachian regions. Crist is considered an intermediate coal plant with a
26	projected capacity factor of more than 60 percent.
27	
28	Smith – In 2012, Smith will also be served by Marquette Transportation Company LLC.
29	It burns between 675,000 and 1.2 million tons of coal a year and must comply with the
30	state SO2 emission limit of 2.1 pounds SO2/MMBTU. Smith can burn a variety of coals,
31	including Illinois Basin and import coals such as Colombian, Australian and Venezuelan.

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Domestic sources such as Colorado, Utah and Central Appalachian coals also have been burned in the past. Smith is considered an intermediate coal plant with a projected capacity factor of more than 60 percent.

- <u>Scholz</u>-Scholz is served by the CSX Railroad. Scholz is projected to burn from tons of
   coal in 2012 and must comply with a state SO2 emission limit of 6.17 pounds
   SO2/MMBTU. Scholz has burned Central Appalachian coals in the past from the state
   Scholz currently has no commitments
- 9 for for for the second sec
- 11

4

Because Scholz is a peaking plant, its fuel supply will be based on limited-term, firm commitments and/or spot purchases depending on burn projections. Contract commitment terms will be two years or less. If commitments are made for more than 50 percent of projected burn requirements, the contract will match the maximum annual tonnage purchased to the plant burn requirements.

17

Daniel -- Daniel is served by the Mississippi Export Railroad (MSE) which is 18 approximately 40 miles in length and runs between Moss Point and Evanston, Miss. 19 20 The MSE is served by two large Class 1 railroads: the Canadian National Railroad connecting at Evanston and the CSX Railroad connecting at Moss Point. Classified as 21 an NSPS plant, Daniel must use "compliance" coal with a maximum of 1.2 pounds 22 SO2/MMBtu (0.6 pounds Sulfur/MMBtu). Daniel can burn import coal in addition to coal 23 24 from Colorado and the Central Appalachian regions. PRB coal is also burned in Daniel's units and blended with bituminous coal at an average of 60 percent bituminous/40 25 percent PRB ratio. Daniel is considered an intermediate coal plant with a projected 26 27 capacity factor of more than 60 percent.

- 28
- 29 30

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14

#### 15 Crist and Smith

16 The chart below shows a breakdown of the current Crist and Smith suppliers and 17 volume commitments, including options, through 2017.



11

Docket No. 110001-EI Risk Management Plan for Fuel Procurement Exhibit HRB-4, Page 12 of 68

1	The	strateg	y for	the	intermediate	plants	is	to	have	а	certain	percenta	ge o	of i	firm
2	com	mitment	s esta	ablisł	ned for the ne	xt sevei	ral y	yea	rs.	-				_	
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In recent years, Crist and Smith have undertaken a plan to blend Illinois Basin coal with other low sulfur bituminous coals such as Colombian, Central Appalachian and Colorado coals in order to take advantage of an increased BTU content and decreased sulfur content of the blended product. This practice of blending Illinois Basin coal with lower sulfur coals is scheduled to continue.

Both Crist and Smith's portfolio currently includes coals from other supply regions such as the Central Appalachian region and the western bituminous regions of Colorado and Utah. These coals are being delivered by rail to the Alabama State Docks (ASD) in Mobile, Ala.

23

28

In 2009, the ASD upgraded the rail unloading facility at the Bulk Terminal to allow for an
 increase in volume of rail coal at this facility. Shipments can also be delivered to various
 ports along the Mississippi River and transloaded into barges for ultimate delivery to
 Crist and Smith.

29 Crist and Smith have an uncommitted need of **Sector Control Control**. The 30 plan is to **Sector Control** to fulfill a portion or, 31 depending on pricing, all of this uncommitted need. Beginning in 2013, Crist and Smith Docket No. 110001-EI Risk Management Plan for Fuel Procurement Exhibit HRB-4, Page 13 of 68

1	have a combined uncommitted need of	tons.	This unco	mmitted
2	need increases to		. 1	The plan
3	will be to			to fulfill
4	percentages of firm commitments that conform to Gulf's lo	ong-term pro	ocurement	strategy
5	through <b>and </b> .			
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As mentioned above, Illinois Basin coal and lower sulfur coals such as Central Appalachian and/or Colorado coals must be blended on a 50/50 basis before delivery to Crist and Smith. This is currently accomplished by railing both coals to the ASD and blending them for transloading into barges. This blending process could be performed at other off-site locations as economics permit.

22

Western bituminous coals can either be railed direct to ASD and transloaded into barges or railed to the Mississippi River and transloaded into barges for ultimate delivery to Crist and Smith. Currently, no transportation infrastructure improvements will be necessary for the movement of these coals to Gulf's plants. At this time, it is unknown whether the plant will need some time to acquire additional equipment for burning large volumes of the Illinois Basin coals.

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#### <u>Scholz</u>

- The chart below shows a breakdown of the current Scholz suppliers and volume
- commitment, including options, through 2017.

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4	
5	As montioned providually Scholar is conved by the CSY Dellared
0 7	As mentioned previously, Scholz is served by the CSA Railroad
, 8	
9	
10	the requirements at Scholz will
11	continue to be satisfied
12	Because Scholz is a peaking plant, its
13	fuel supply will be based on limited-term, firm commitments and/or spot purchases
14	depending on burn projections. Contract commitment terms will be two years or less. If
15	commitments are made for more than 50 percent of projected burn requirements, the
10	requirements.

# 1 **Daniel**

- 2 The chart below shows a breakdown of the current Daniel suppliers and volume
- 3 commitments, including options, through 2017.





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5 The goal for future years, if economics warrant, would be to maintain this 6 diversity. Should supply problems occur, this diverse portfolio of suppliers would help 7 ensure that other suppliers could continue seamless deliveries to the plant. Another 8 important element of this diversification philosophy is that Daniel can share most coal 9 supplies with MPC's Watson plant should operational, supply or transportation problems 10 occur at either plant. Gulf will also continue its policy of testing various import as well as 11 domestic coals.

12

13 Traditionally, Daniel has used sources such as PRB and Colorado low-sulfur coals. 14 Since 2000-2001, market conditions – including production problems, lack of availability 15 of supply in some domestic regions and environmental awareness – have emphasized 16 the need to diversify with import coals. These other coal sources, transportation 17 arrangements and plant quality limitations will be actively evaluated because of 18 reliability and availability issues in the domestic market and in the existing Colombian 19 market.

20

The strategic objective is to include import, Colorado, and PRB sources in future coal commitments for Daniel. Colorado and/or PRB coal will continue to make up a significant portion of Daniel's committed volumes provided that economics warrant and that Union Pacific and BN Railroad transportation capacity is available. As part of this objective, Gulf will explore expanding its plant quality parameters' through the continuation of an active test burn program.

27

In addition to receiving import coal through the ASD, Daniel also has the ability to take
 imported rail coal through the Illinois Central Rail Marine Terminal (ICRMT) in Convent,
 La. This is a proven facility that Daniel has used in the past. Because it is an inland-river

facility capable of unloading Panamax-sized vessels, it provides additional security
 during hurricane season.

3

Both Illinois Basin and Central Appalachian coals can be railed directly to Daniel, although some infrastructure improvements would be necessary. At this time, it is uncertain if the plant will need some time to acquire additional plant equipment necessary for burning Illinois Basin coals. The procurement group will need to be cognizant of the environmental controls placed on the units and ensure that the coals purchased will meet the environmental requirements.



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# 1 Risks and Risk Mitigation Strategies

2

Reliability Risk and Strategy

3 4

5 Reliable delivery of coal ensures that fuel will be available to generate electricity. Term 6 agreements will be negotiated and signed with the transportation carriers that ensure 7 the barge and rail companies will have available infrastructure and resources in place to 8 transport the required coal supply. The terms of the transportation agreements will 9 coincide with the terms of single-source coal supply agreements as closely as possible.



20

Communication between Gulf's coal operating personnel, each plant, Generation Fuel
 Services, and the various carriers is vital in maintaining reliable and efficient operations.
 Effective and timely communication of transportation plans, orders, problems, and
 maintenance is critical.

25

# 26 Pricing Risk and Strategy

27

Competition is created with diversity of coal supply sources and alternative transportation modes at each of the plants. Competition is achieved by periodically bidding transportation alternatives and educating carriers on the effects of marginal dispatch changes on unit load requirements.

#### Docket No. 110001-El Risk Management Plan for Fuel Procurement Exhibit HRB-4, Page 21 of 68

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#### 7 Volume Risk and Strategy

The uncertainty in the amount of coal generation and transportation that will be needed 9 in the future is still one of the most critical risks that must be addressed in developing a 10 strategy for long-term transportation procurement. Weather, natural gas pricing, and 11 economic growth will continue to impact future coal burn requirements, as will the 12 addition of gas-fueled capacity to the Southern Company system. During recent years, 13 the coal industry has become more susceptible to influences of the global commodities 14 market. Given the global market dynamics that occurred during this time frame, the coal 15 market has reacted by becoming more volatile from both a pricing and volume 16 availability standpoint. This has, in turn, impacted the dynamics between natural gas 17 and coal, leading to increased uncertainty in coal burn. 18

19

6

8





# 9 Supply Risk and Strategy

10

8

11 It is desirable to have multiple transportation modes and carriers in case there is a rail 12 and/or barge accident that might disrupt the supply chain. Diversity of transportation 13 modes and carriers is also vital because the location of coal supply sources changes as 14 environmental laws and regulations evolve and as coal is depleted in established 15 regions.

16

It is vital to the success of a coal and transportation program to ensure infrastructure is
 in place to move the coal from changing locations as this occurs. This may include
 enhancements to existing facilities or the development of new facilities.

20

The Alabama State Docks' McDuffie Coal Terminal has the capacity to receive approximately 16 million tons of import coal per year. In addition, the Alabama State Docks recently completed the Bulk Unloader Railcar Project at the Alabama State Docks' Bulk Materials Handling Plant (Bulk Plant). Upgrade of railcar handling facilities provides the Bulk Plant with the ability to receive an additional 3 million tons of coal per year by rail.

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# 1 Tactical Plan

Plants Crist and Smith
UP Agreement UP-53281 provides for rail transportation of Colorado and Utah coal to
the Cora Dock terminal on the Mississippi River through Dec. 31, 2011. There are no
annual minimum or maximum volume requirements in this agreement.
UP Agreement UP-53286 with UP/CN provides for rail transportation of Colorado and
Itah coal to the Alabama State Docks through The agreement has
CSXT Agreement CSXT-84986 provides for rail transportation of Central Appalachian
coal from Patriot Coal Sales to the Alabama State Docks through
agreement has

Docket No. 110001-EI Risk Management Plan for Fuel Procurement Exhibit HRB-4, Page 24 of 68

1	CN Agreement CN- 517554-AA provides for rail transportation of Illinois Basin coal to
2	the Alabama State Docks through the second state of the coal will be transported by rail to
3	the Alabama State Docks and transloaded to barges for shipment to Crist. There are
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10	Marquette agreement (SC09005-T) provides primary barge transportation of coal from
11	the Alabama State Docks to Crist and Smith. Marquette agreement (SC09006-T) and
12	Heartland Barge Management agreement (SC09004-T) provide a supply of barges to
13	move coal to Crist and Smith. These agreements expire Dec. 31, 2014.
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27	<u>Plant Scholz</u>
28	
29	CSXT Agreement CSXT-C-83791 provides for rail transportation of domestic and import
30	coal to Scholz through Dec. 31, 2011. This agreement specifies that
31	

Docket No. 110001-EI Risk Management Plan for Fuel Procurement Exhibit HRB-4, Page 25 of 68

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5	<u>Plant Daniel</u>
6	
7	UP Agreement UP-52624 with UP/CN/MSE provides for rail transportation of Colorado
8	coal to Daniel through Dec. 31, 2011. The agreement has an annual minimum volume
9	requirement of 1 million tons and a maximum of 2.2 million tons of coal that can be
10	shipped.
11	
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15	RNSE Agreement RNSE 12523 with RNSE/CN/MSE provider for roll transportation of
17	BRB coal to Daniel through Dec. 31, 2011. The agreement has an appual minimum
17	volume requirement of 1 million tone and a maximum of 1.2 million tone of coal that con
18	be abinred
19	be shipped.
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25	CN/MSE Agreement CN-694308-AA provides for rail transportation of import coal from
26	the Alabama State Docks facility to Daniel. The agreement expires
27	
28	
29	

Docket No. 110001-EI Risk Management Plan for Fuel Procurement Exhibit HRB-4, Page 27 of 68

Month	2011	2012	2013	2014
January	2552836			
February	1485814			
March	2325480			
April	2149033			
May	3208511			
June	5975155			
July	1520126			
August	1290826			
September	1118224			
October	1169487			
November	672369			
December	330826			
TOTAL	12419365			

# 1 PROJECTED NATURAL GAS BURN (MMBTU)

2

# 3 Procurement Strategy

4

Gulf's strategy for gas procurement is to purchase the commodity using long term and
spot agreements at market prices. Fuel purchased at market over a long period is a low
cost option for customers.

#### Docket No. 110001-EI Risk Management Plan for Fuel Procurement Exhibit HRB-4, Page 28 of 68

For Gulf, spot-market contracts have a term of less than one year 1 and long-term contracts have a term of 1 year or longer. All natural gas, regardless of 2 whether it is bought under long-term contracts or spot-market contracts, is purchased at 3 market based prices. While fuel purchased at market over long periods is a low cost 4 option for customers, it does expose the customers to short-term price volatility. Since 5 these price fluctuations can be severe. Gulf Power, at the direction of the Florida Public 6 7 Service Commission, will attempt to protect its customers against short-term price volatility by utilizing hedging tools. It is understood that the cost of hedging will 8 9 sometimes lead to fuel costs that are higher than market prices but that this is a reasonable trade-off for reducing the customers' exposure to fuel cost increases that 10 would result if fuel prices actually settle at higher prices than when the hedges were 11 placed. 12

13

14 The following graph of actual natural gas prices is an indication of price volatility in the 15 gas commodity market:

16



#### 17 Historical Natural Gas Prices - NYMEX

# 1 **Pricing Strategy**

2

Gulf Power will continue to purchase gas, both under long-term and spot contracts at 3 market based prices. However, pursuant to Commission order, Gulf Power will 4 5 financially hedge gas prices for some portion, generally between percent of Gulf Power's projected annual gas burn for the current year, in order to protect against 6 7 short-term price swings and to provide some level of price certainty. This percent hedge range allows Gulf Power to provide a degree of price certainty and 8 protection against short-term price swings while still allowing the customers to 9 10 participate in markets where natural gas prices are low. Gulf Power will secure natural gas hedges over a time period not to exceed months, per the following schedule: 11

12

Period	Lower Target Hedge %	Upper Target Hedge %
Prompt Year (2012)		
Year 2 (2013)		
Year 3 (2014)		
Year 4 (2015)		
Year 5 (2016)		

13

Note: The annual hedge percentage is based on the budgeted annual gas burn

14

Although SCS will target the levels shown in the table above, SCS may accelerate or decelerate the plan accordingly based on market conditions. Gulf's hedging targets are expressed on an annual basis due to the potential for large variances in month to month gas consumption. The monthly variance in gas burn is due to Gulf's ownership of only one firm gas fired generating unit that is dispatched on an economic basis with the other generating units in the Southern electric system and the impact of unit outages on Gulf's total gas burn.

22

SCS, working in partnership with Gulf Power, develops short-term hedge strategies
 based on current and projected market conditions.

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1	
2	SCS will employ both technical and fundamental analysis to
3	determine appropriate times to hedge. However, the objective is not to speculate on
4	market price or attempt to outguess or "beat the market". Gulf will utilize fixed priced
5	swaps as its primary financial gas price hedging instrument but may also utilize options
6	when appropriate.
7	
8	
9	
10	
11	While the hedging program will protect the customer from short-term price spikes,
12	hedges can also lead to higher costs when natural gas prices fall subsequent to
13	entering hedges. Gulf Power will limit the amount of fixed-price
14	hedges to a maximum of 100 percent of the projected fuel burn for the upcoming year.
15	In addition, Gulf Power will limit option priced hedges to percent of its projected
16	burn. Finally, in order to protect its customers from market exposure in subsequent
17	years, Gulf Power will take forward hedge positions for up to <b>an anoths into the future</b> .

# 1 Introduction

2

In August 1997, the Southern Company Risk Oversight Committee ("SROC") approved a set of risk 3 management guidelines. Also, at various times during 2000 through 2002, the boards of directors 4 for Southern Company, the Operating Companies (Alabama Power Company, Georgia Power 5 Company, Gulf Power Company, and Mississippi Power Company), and Southern Power Company 6 7 ("SPC") adopted the Southern Company Policy on the Use of Derivatives ("Derivatives Policy"). 8 During 2006, the risk oversight and governance framework for Southern Company continued to 9 evolve to further refine the oversight structure and to reflect organizational changes since the 10 original SROC approved risk management guidelines in August 1997. As part of this evolution, the SROC was reconstituted, and a Generation Risk Oversight Committee was formed. These groups, 11 along with the Risk Advisory and Controls Committee, replaced the Energy Risk Management 12 13 Board and assumed its responsibilities.

14

Effective November 19, 2007, as a result of the Separation Protocol, certain functions for SPC were separated from the Operating Companies and certain communications between them was restricted. It was decided that SPC would no longer attend or have representation on the Generation Risk Oversight Committee. This decision prompted the need for a Southern Power Risk Oversight Committee and separate SPC risk monitoring. The Generation Risk Oversight Committee will continue to monitor the consolidated energy trading risks, including SPC positions.

21

28

The Southern Company Derivatives Policy requires any business unit engaging in energy trading and marketing activities to develop a risk management policy. This policy must be consistent with the Southern Company Enterprise Risk Management Framework document and must include, but not be limited to, well-defined segregation of duties, limits on capital at risk and established credit policies.



# I. Purpose

# II. Business Objectives

The Approved Business Objectives for the trading activities performed by Authorized Individuals are defined in Appendix A.

# III. Business Strategies

The business objectives are achieved by entering into transactions involving the approved commodities shown in Appendix B.



Various contract types or financial instruments will be used to achieve the Approved Business Objectives. The Approved Risk Management Instruments are listed in Appendix C. SCS Risk Control must be consulted before the execution of any Approved Risk Management Instruments that have not been previously used. SCS Risk Control must ensure that the requirements set forth in this RMP can be followed with respect to those instruments.

# IV. Authorizations

Appendix D contains the individuals, boards, and committees authorized to carry out various activities, reviews, and approvals.



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# V. Segregation of Duties



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1 Appendix E shows the organizational separation of function required by this RMP. The following is 2 a summary of the responsibilities of the different functions:

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4 <u>Origination and Structuring</u>: The functions of origination and structuring include the following 5 responsibilities:



44 counterparties and for the delivery of margin / collateral requirements. SCS Treasury will also be 45 responsible for investment of collateral provided by counterparties. <u>Accounting</u>: SCS Accounting is responsible for posting transactions to the general ledger and
 reconciling the subledgers to the general ledger.

# VI. Market Risk Identification



# VII. Market Risk Measurement and Valuation



#### 

# VIII. Market Risk Limits

Exposure Limits	The maximum exposure limits are shown in Appendix H. The maximum exposure limit for each business objective should not exceed the limits specified in Appendix H.
Notifications	Certain notifications to management are required as defined in Appendix G.
Limit Excess Reporting	Irrespective of other provisions contained in this RMP, limit overages may occur. Each occurrence shall be promptly reported by SCS Risk Control to individuals identified in Appendix G.
IX. Credit Risl	x

32 IX. Credit Risk 

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The Portfolio Management group will prepare regular position reports. The back office will report preliminary gross margins or P&L on a daily basis.

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#### XVI. Personal Trading **XVII. Business Recovery XVIII.** Compliance XIX. Independent Review



XX. Policy Amendments



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# 7 XXII. Terminology 8

9 Definitions of terminology used in this RMP are contained in Appendix L.

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Secondary activities of the natural gas fulfillment function are restricted to positions intended to hedge secondary power positions, and which have been requested by Fleet Operations and Trading or SPC Trading & Asset Management.

#### Environmental Products Management Function

The primary objectives of the Environmental Products Management Function are to:



23 Secondary activities of the Environmental Products Management Function are restricted to 24 positions intended to hedge secondary power positions, and which have been requested by Fleet 25 Operations and Trading or SPC Trading & Asset Management.

#### **Coal Fulfillment Function**

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The primary objectives of the Coal Fulfillment Function are to:



37 Secondary activities of the Coal Fulfillment Function are restricted to positions intended to hedge

38 secondary power positions, and which have been requested by Fleet Operations and Trading or SPC

39 Trading & Asset Management.

Docket No. 110001-EI **Risk Management Plan for Fuel Procurement** Exhibit HRB-4, Page 47 of 68 **APPENDIX B APPROVED COMMODITIES** The approved commodities for this RMP are: **6** 

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# APPENDIX D AUTHORIZATIONS



1 2 3



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Risk Management Plan for Fuel Procurement Exhibit HRB-4, Page 52 of 68 APPENDIX D 1 AUTHORIZATIONS (continued) SCS Fuel Services 2 3 4 Name Authority

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# APPENDIX F MARKET RISK MEASUREMENT



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Parametric VaR Methodology

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Formula Components				
Component	Symbol	Comments		
Value at Risk	VaR	See Equation Below		
Position	PSN	Given in Applicable Measurement Units		
Daily Standard Deviation of Price Change	ΔP	Given in \$/Applicable Measurement Units		
Holding Period – Business Days	HP	Taken From Parameters Table Shown Below		
Confidence Interval Multiplier	CI	For Example: CI = 1.65 for 95-% Confidence Interval		

8 9

10

Equation		
$VaR = PSN * \Delta P$	*	Square Root of HP * CI

Parameters Commodity	Holding Period (HP)	Multiplier (Cl)

APPENDIX F			
STRESS TESTING METHODOLOGY			

# The purpose of stress testing is to generate percentage price changes for the forward curve that answer this question:

If an extreme event occurs, what can we expect to happen to prices and the portfolio value?

10 The stress test is designed to capture the expected value of an extreme event as defined by an 11 extreme value distribution. To differentiate, there is a downward and an upward stress test.

- 13 Specifically, the expected downward stress is calculated as
- 14  $E[\Delta p/p | \Delta p/p < \Theta]$  = the Integral of f(x)xdx from negative infinity to  $\Theta$

16 and the expected upward stress is calculated as

# 17 $E[\Delta p/p | \Delta p/p > \Theta]$ = the Integral of f(x)xdx from $\Theta$ to infinity

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19 where  $\Theta$  is the threshold that defines classification as an extreme event, f(x) is an extreme value

- 20 distribution fitted to a specific contract, and x is a percentage price change.
- 21

22

# 23 Ad Hoc Stress Testing

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Ad hoc stress testing will be performed as appropriate based on price scenarios determined using alternative methods including, but not limited to, the following:

- specific historical scenarios;
- rating agency defined price changes;
- analysis of out-of-the money option trading; and
- 30 subjectively determined price changes.

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# APPENDIX G NOTIFICATION LEVELS



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# APPENDIX G NOTIFICATION LEVELS



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# APPENDIX G NOTIFICATION LEVELS



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- 7 NOTE: Recipients of notification events will only receive detailed information pertinent to
- 8 their business needs, and any correspondence will be in compliance with the Separation
- 9 Protocol.

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# APPENDIX G NOTIFICATION LEVELS



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# APPENDIX H MARKET RISK LIMITS

Net Open Position Limits

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- 8 NOTE: Although the value-at-risk limit applies to positions marked to market through income, VaR
- 9 is calculated and monitored for all positions, and there are notification requirements as defined in

10 Appendix G.

11

12 If such open position limits are exceeded, SCS Risk Control will calculate and equitably

13 allocate the responsibilities to bring the positions back into compliance.

Risk Management Plan for Fuel Procurement Exhibit HRB-4, Page 65 of 68 APPENDIX J ACCOUNTING AND TAX 

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#### Exhibit "C": Line-by-Line/Field-by-Field Justification

#### Line(s)/Field(s)<sup>1</sup>

Page 4 of 68 Lines 4-5, 8-12, 14-16, 18-25 & 27-31

#### **Justification**

The information delineated in Exhibit "C" is entitled to confidential classification pursuant to §366.093(3)(d) and (e), Florida Statutes. The basis for this information being designated as confidential is more fully set forth in paragraph 1.

Page 5 of 68 Lines 1-6 & 19-26 Page 6 of 68 Lines 10-13, 15, 17-22 Page 7 of 68 Lines 1-11, 21-28 & 30-31 Page 8 of 68 Lines 1-2 & 30-31 Page 9 of 68 Lines 1-8, 22-23 Page 10 of 68 Lines 5, 7-9 & 29-31 Page 11 of 68 Lines 1-4 & 6-11 Chart Page 12 of 68 Lines 2-5, 7-12 & 29-30 Page 13 of 68 Lines 1-3, 5, 7-9 & 11-15 Page 14 of 68 Chart Lines 6-12

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Page number references correspond with the page numbers printed in the bottom center of each page I NUMBER - DATE

#### Line(s)/Field(s)

#### **Justification**

Page 15 of 68 Chart Lines 7-10 & 12-17 Page 16 of 68 Lines 1-5 Page 17 of 68 Lines 11, 13-21, 23-26 & 28-31 Page 18 of 68 Lines 1-5 & 7-13 Page 20 of 68 Lines 11-19 Page 21 of 68 Lines 1-5, 20-28 & 30-31 Page 22 of 68 Lines 1-7 Page 23 of 68 Lines 9-11, 14-16, 18-20, 23-25 & 27-29 Page 24 of 68 Lines 2-4, 6-8, 15-17, 19-25 & 30-31 Page 25 of 68 Lines 1-3, 12-14, 21-23 & 26-29 Page 27 of 68 Portions of Table Lines 7-14 Page 28 of 68 Line 1 Page 29 of 68 Lines 5, 7, 11 & 24-25 Portions of Table Page 30 of 68 Lines 1-2, 6-9, 15 & 17

#### Line(s)/Field(s)

#### **Justification**

Page 37 of 68 Lines 30-33, 35-39 & 41-42 Page 38 of 68 Lines 11-14, 16-18, 33-34, 36-40 & 42-44 Page 39 of 68 Lines 7-15, 21-33 & 37-41 Page 40 of 68 Lines 6-9, 14-16, 18-19, 21-22, 24-27 & 34-36 Page 41 of 68 Lines 1-2, 6-8, 10-22, 26-30, 34-36, 38-42 & 44-46 Page 42 of 68 Lines 1-8, 10-13, 17-23, 27-32 & 38-40 Page 43 of 68 Lines 3-5, 9-10, 14-20, 22-26, 30-34, 38-41 & 43-45 Page 44 of 68 Lines 1-5 Page 45 of 68 Lines 8-11, 17-19, 25-27 & 34-39 Page 46 of 68 Lines 1-5, 15-21 & 31-35 Page 47 of 68 Lines 6, 8, 10, 12, 14, 16, 18, 20 & 22 Page 48 of 68 Lines 6, 8, 10, 12 & 14 Page 49 of 68 Table Page 50 of 68 Table Page 51 of 68 Table Page 52 of 68 Table

# Line(s)/Field(s)

#### Justification

Page 54 of 68 Top Table Bottom Table Page 55 of 68 Table Page 56 of 68 Table Page 57 of 68 Table Page 58 of 68 Table Page 59 of 68 All 3 Tables Page 60 of 68 Table Page 65 of 68 Lines 4-15, 17-18, 20-25 & 27-30 IN RE: Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor

#### CERTIFICATE OF SERVICE

HEREBY CERTIFY that a true copy of the foregoing was furnished by U.S. mail this 29th day of July, 2011, on the following:

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Docket No.: 110001-EI