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COMMISSION
CLERK

July 31, 2012

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

Dear Ms. Cole:

RE: Docket No. 120001-EI

Enclosed for official filing in the above referenced docket is an original and fifteen copies of Gulf Power Company's Risk Management Plan dated August 1, 2012.

Regards,

mw

Enclosures

cc: Beggs & Lane
Jeffrey A. Stone, Esq.

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GULF POWER COMPANY

**Risk Management Plan
For
Fuel Procurement
Docket No. 120001-EI**

Date of Filing: August 1, 2012



1 **GULF POWER LONG-TERM COAL PROCUREMENT**
2 **STRATEGY AND TACTICAL PLAN**

3 **August 1, 2012**

4
5
6 **Introduction**

7
8 Gulf Power (Gulf) reliably serves more than 430,000 customers. During
9 2011, Gulf generated 12 billion kilowatt-hours (kWhs) with \$662 million in
10 fuel expense. Coal represented 67 percent of Gulf's generation sources.

11 Gulf owns and operates three coal-fired generating plants (Crist, Smith and
12 Scholz) with a combined normal full-load gross rating of 1,469 megawatts
13 (MWs) and annual coal consumption of more than 1.5 million tons. The
14 procurement of this coal is critical to the success of Gulf Power.

15 Gulf also co-owns 50 percent of Plant Daniel, which is operated by
16 Mississippi Power (MPC) and has a projected annual coal consumption of
17 1.1 million tons. The normal full-load capacity of Gulf's ownership at Daniel
18 is 537 MWs.

19 Competition in the electric utility industry, consolidation in the coal industry,
20 and environmental laws and regulations are just a few of the challenges
21 facing power generators today. As the electric utility industry evolves, a
22 procurement strategy must address several issues in order to provide a
23 reliable, cost-competitive, environmentally acceptable fuel supply.

24
25 The following is:

- 26 • A review of the current coal program, including current commitments
27 and uncommitted requirements

A B C D E F

- 1 ● A procurement strategy that identifies and addresses specific risks
- 2 and risk mitigation strategies, and discusses a strategic plan
- 3 ● A tactical plan detailing specific actions required to achieve the
- 4 strategy

5

6 **Fuel Program Overview**

7

8 Plants Crist and Smith are barge served and plant Scholz is rail served.
9 The following table is a summary of the Gulf coal suppliers and
10 corresponding tonnages (in 1000's) by plant.

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19 Scholz No suppliers

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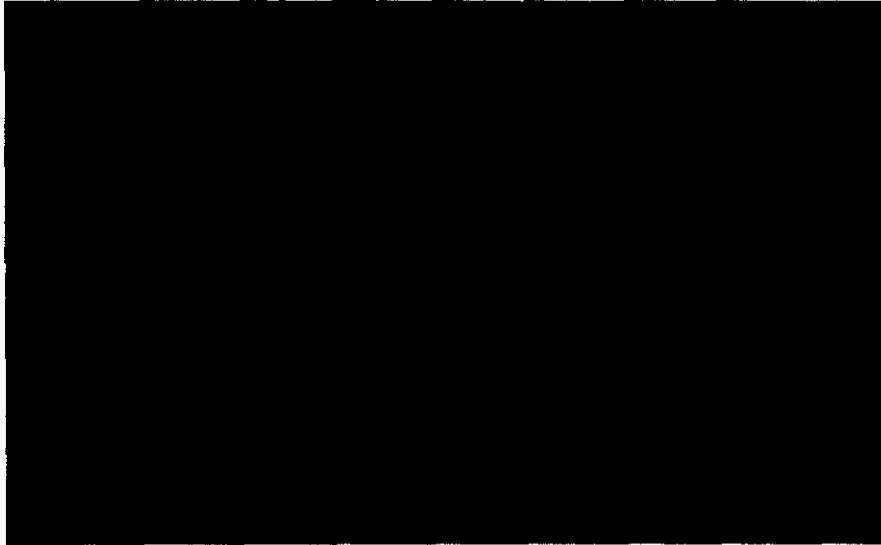
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22 [REDACTED] Because Crist and Smith share a common
23 transportation mode, as well as common coal contracts, these plants will
24 be grouped together in formulating a procurement strategy.

25

26 In the following charts, the projected requirements for years 2013 and
27 2014 are from the July DEPS burn file and the projected requirements for
28 years 2015 and 2016 are from the 2012 Official Budget June Update. The

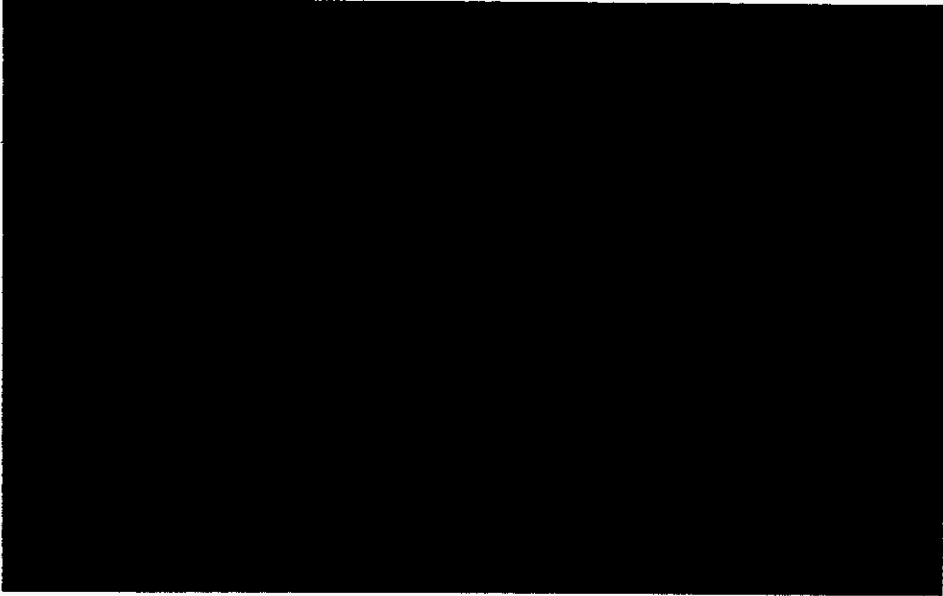
1 chart below illustrates the projected burn and commitments of coal for Crist
2 and Smith through 2016.



3
4 Plant Scholz will continue to use coal as a generation fuel source beyond
5 2013 as Gulf continues to evaluate the future operation status of Scholz.
6 Because Scholz is a peaking plant, its fuel supply will be based on limited-
7 term, firm commitments and/or spot purchases depending on burn
8 projections. Contract commitment terms will be two years or less. If
9 commitments are made for more than 50 percent of projected burn
10 requirements, the contract will match the maximum annual tonnage
11 purchased to the plant burn requirements.

12
13 The following chart illustrates the projected burn and commitments of coal
14 for Scholz through 2016.

A B C D E F



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2

3 Daniel is classified as a New Source Performance Standard (NSPS) plant
4 requiring the use of 1.2 pounds SO₂/MMBtu or less. Gulf owns 50 percent
5 of units 1 and 2 at Daniel which is rail served. The following table is a
6 summary of the Daniel coal suppliers and corresponding tonnages (in
7 1000's).

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The following chart

1 illustrates Gulf's 50 percent ownership in projected burn and commitments
2 of coal for Daniel through 2016.



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4 **Procurement Strategy**

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6 The long-term coal procurement goal for Gulf is to provide a reliable, cost-
7 competitive, environmentally acceptable coal supply. The successful coal
8 program provides flexibility in volume and pricing, becomes more diverse
9 by pursuing other supply regions, creates competition for supply, focuses
10 on reliability of supply, and adheres to changing environmental laws and
11 guidelines.

12
13 In recent years, the coal industry has become more susceptible to the
14 influences of the global commodities market. Given the global market
15 dynamics that occurred during this time frame, the coal market has reacted
16 by becoming more volatile from both a pricing and volume availability

1 standpoint. This has, in turn, impacted the dynamics between natural gas
2 and coal, leading to increased uncertainty in coal burn.

3
4 Increased U.S. governmental regulation regarding the potential
5 environmental impact of coal mining will continue to present challenges for
6 coal suppliers seeking permits for new mining activities. This increase in
7 environmental regulation, coupled with the increased regulatory scrutiny of
8 mining safety, has resulted in an increase in production costs and may
9 further lead to a decrease in availability of supply from most domestic
10 regions.

11
12 The following section will address the risks and risk mitigation strategies
13 associated with each of these areas. Also included is a discussion of a
14 strategic plan that incorporates several of these mitigation techniques.

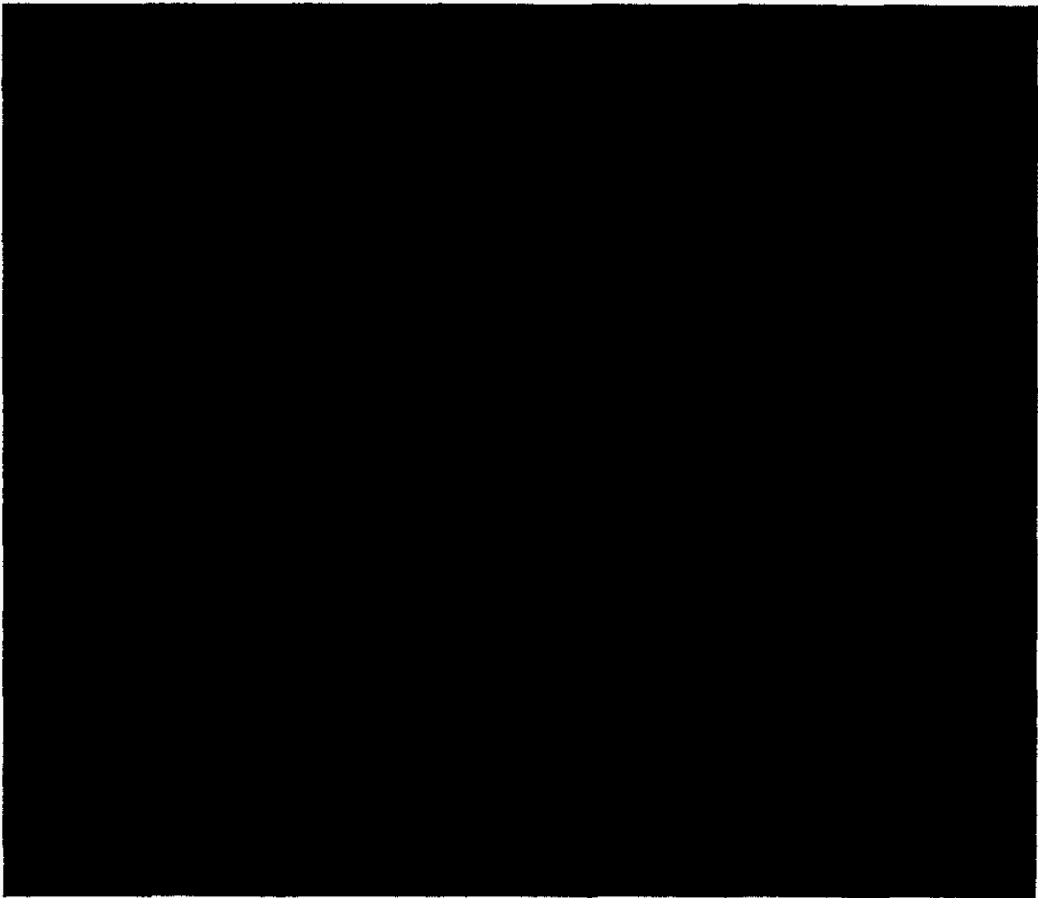
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16 **Risks and Risk Mitigation Strategies**

17
18 **Volume Risk and Strategy**

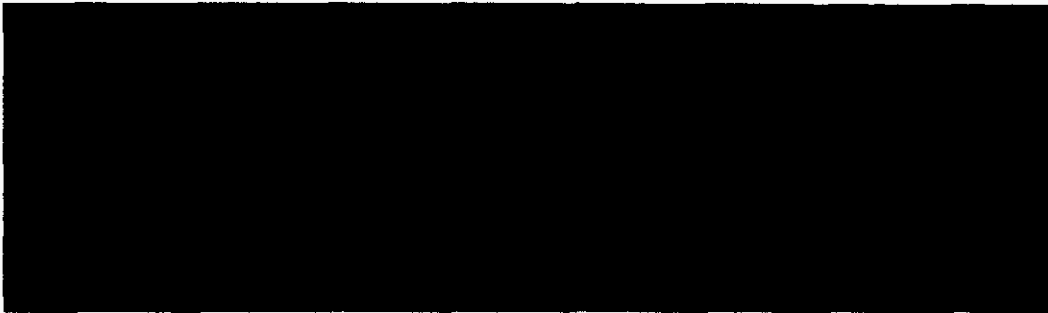
19 The uncertainty in the amount of coal generation and therefore coal supply
20 that will be needed in the future remains one of the most critical risks to be
21 addressed in developing a strategy for long-term coal procurement.
22 Weather, economic conditions and natural gas price volatility will continue
23 to impact future coal burn requirements.

24
25 Southern Company currently owns or manages approximately [REDACTED]
26 MWs of natural gas generating capacity and is projected to install an
27 additional [REDACTED] MWs by 2013. This increase in natural gas capacity within
28 the Southern Company system, in conjunction with the recent increased

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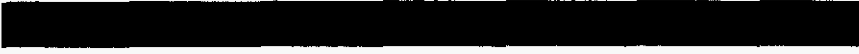
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Pricing Risk and Strategy

Competing for energy market share with other utilities and power marketers requires competitive energy pricing. Because more than 50 percent of the cost for coal-fired generation is fuel, competitively priced coal supplies should be maintained.

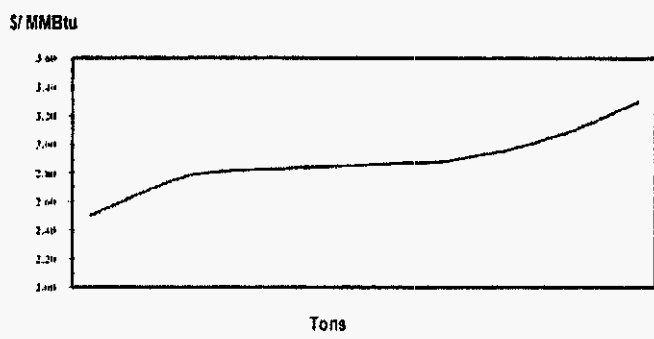
The objective is to have a portfolio of long-term agreements and spot coal purchases that provide pricing at or below market at any given point in time.



1 Due to the size of our system, the volume of purchases made at a
2 particular time can impact the market. Ranking bid proposals in order of
3 least cost and cumulative volume produces a price curve similar to the
4 following:

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Fuel Price Curve



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[Redacted text block]

Diversity of Supply Risk and Strategy

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

[Redacted text block]

1 **Reliability Risk and Strategy**

2 While reliability is always a risk, when a supply and demand imbalance
3 occurs in the coal industry, this reliability risk is increased. Continuing
4 business with suppliers who have performed well during times of unreliable
5 supply can help mitigate this risk. In addition to an economic evaluation,
6 technical and financial evaluations of suppliers are also performed as a
7 required part of the coal procurement process.

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26 **Environmental Risk and Strategy**

27 When procuring coal for a term longer than 12 months, the potential impact
28 from future changes in environmental laws and regulations, which may

1 render the burning of coal as non-economic to our system, is a significant
2 risk that must be mitigated. When executing new long-term coal supply
3 agreements, environmental language will be included that mitigates the
4 risks associated with current, as well as future, environmental issues. This
5 environmental language will continue to allow the company the maximum
6 flexibility and discretion to modify and/or terminate such agreements based
7 on its sole judgment. Environmental language must state clearly that
8 neither coal nor transportation suppliers have the right to review or
9 question our selected environmental compliance strategy.

10

11 On July 6, 2011, the Environmental Protection Agency (EPA) finalized the
12 Cross State Air Pollution Rule (CSAPR), previously proposed as the Clean
13 Air Transport Rule (CATR). This final rule replaces EPA's 2005 Clean Air
14 Interstate Rule (CAIR). A December 2008 court decision found flaws in
15 CAIR, but kept CAIR requirements in place temporarily while directing EPA
16 to issue a replacement rule. The first phase of compliance begins Jan. 1,
17 2012, for SO₂ and Annual NO_x reductions, and May 1, 2012, for ozone
18 season NO_x reductions. The Cross State Air Pollution Rule is more
19 stringent than its predecessor and is projected to have a greater negative
20 impact on coal generation. On Oct. 6, 2011, following the submission of
21 additional data from states and companies and further review of the rule,
22 EPA is proposing a routine rulemaking that will adjust some state
23 allocations of allowances as well as remove the assurance provisions
24 (state caps) for 2012 and 2013. The future regulation of hazardous air
25 pollutants (HAPs MACT) and coal combustion products, as well as the
26 likelihood of a global climate change and renewable energy bill mandated
27 by the federal government, also present additional risks of entering into
28 long-term coal supply agreements. The state of Florida is included in the

1 27 states that are covered by CSAPR and is only subject to Seasonal NOx
2 compliance during May through September beginning in 2012. More than
3 45 petitioners filed suit to stop CSAPR and on Dec. 30, 2011, the D.C.
4 Circuit Court of Appeals stayed the Cross State rule and directed the EPA
5 put CAIR back in place for 2012. The CSAPR petitioners sought relief from
6 the court from "certain harm" from CSAPR. The court asked the petitioners
7 and the EPA to prepare for oral arguments to take place in April of 2012.

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9 [REDACTED]
10 [REDACTED]
11 [REDACTED]
12 [REDACTED]
13 [REDACTED]
14 [REDACTED]
15 [REDACTED]
16 [REDACTED]
17 [REDACTED]
18 [REDACTED]
19 [REDACTED]
20 [REDACTED]
21 [REDACTED]
22 [REDACTED]

23
24 **Strategic Plan**

25 As mentioned above, when procuring coal for Gulf, the Crist and Smith
26 plants will be grouped together because of their common supply source
27 and transportation mode. Diversity of supply and flexibility will be important
28 aspects of their fuel supply strategy.

29

1 On the other hand, Scholz can burn similar quality coals, but its
2 transportation mode differs because it is rail served. The co-owned plant,
3 Daniel, will be treated individually.

4
5 Crist – In 2013, Crist will be served by Marquette Transportation Company
6 LLC. Crist is forecasted to burn between 1.1 and 1.7 million tons of coal a
7 year. [REDACTED]

8 [REDACTED]
9 [REDACTED]
10 [REDACTED]
11 [REDACTED]
12 [REDACTED]
13 [REDACTED]
14 [REDACTED]

15
16 Smith – In 2013, Smith will also be served by Marquette Transportation
17 Company LLC. Smith is forecasted to burn between 481,000 and 512,000
18 tons of coal a year and must comply with the state SO₂ emission limit of
19 2.1 lbs SO₂/MMBtu. Smith can burn a variety of coals, including Illinois
20 Basin and import coals such as Colombian, Australian and Venezuelan.
21 Domestic sources such as Colorado, Utah and Central Appalachian coals
22 also have been burned in the past.

23
24 Scholz – Scholz is served by the CSX Railroad. Scholz is projected to burn
25 16,000 tons of coal in 2013 and must comply with a state SO₂ emission
26 limit of 6.17 lbs SO₂/MMBtu. Scholz has burned Central Appalachian coals

27 [REDACTED]

1 [REDACTED]

2 [REDACTED]

3

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

10 Daniel – Daniel is served by the Mississippi Export Railroad (MSE) which
11 is approximately 40 miles in length and runs between Moss Point and
12 Evanston, Miss. The MSE is served by two large Class 1 railroads: the
13 Canadian National Railroad connecting at Evanston and the CSX Railroad
14 connecting at Moss Point. Classified as an NSPS plant, Daniel must use
15 “compliance” coal with a maximum of 1.2 lbs SO₂/MMBtu (0.6 lbs
16 Sulfur/MMBtu). Daniel can burn import coal in addition to coal from
17 Colorado and the Central Appalachian regions. PRB coal is also burned in
18 Daniel’s units coals at various ratios depending on the season. The current

19 [REDACTED]

20 [REDACTED]

21 [REDACTED]

22 [REDACTED]

23 [REDACTED]

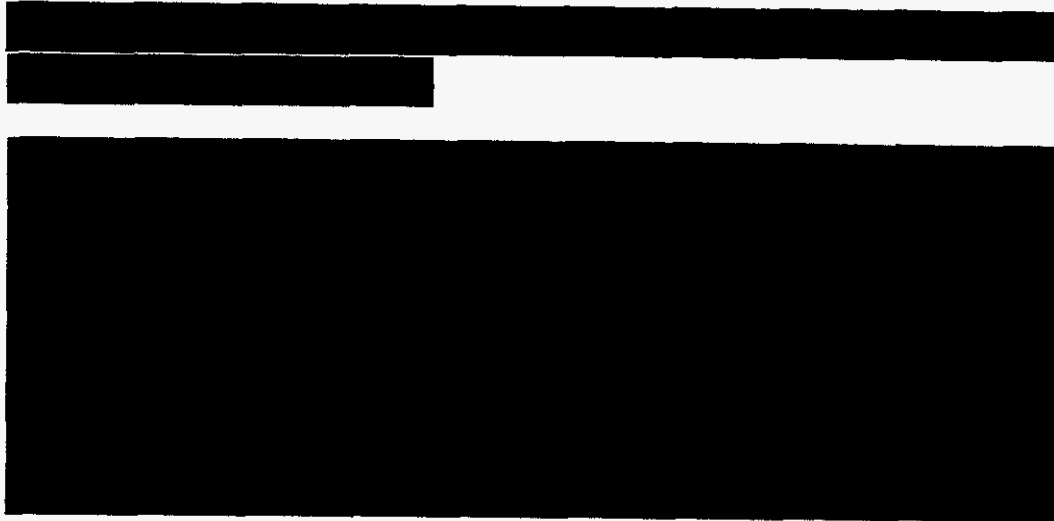
24 [REDACTED]

25 [REDACTED]

26 [REDACTED]

27 [REDACTED]

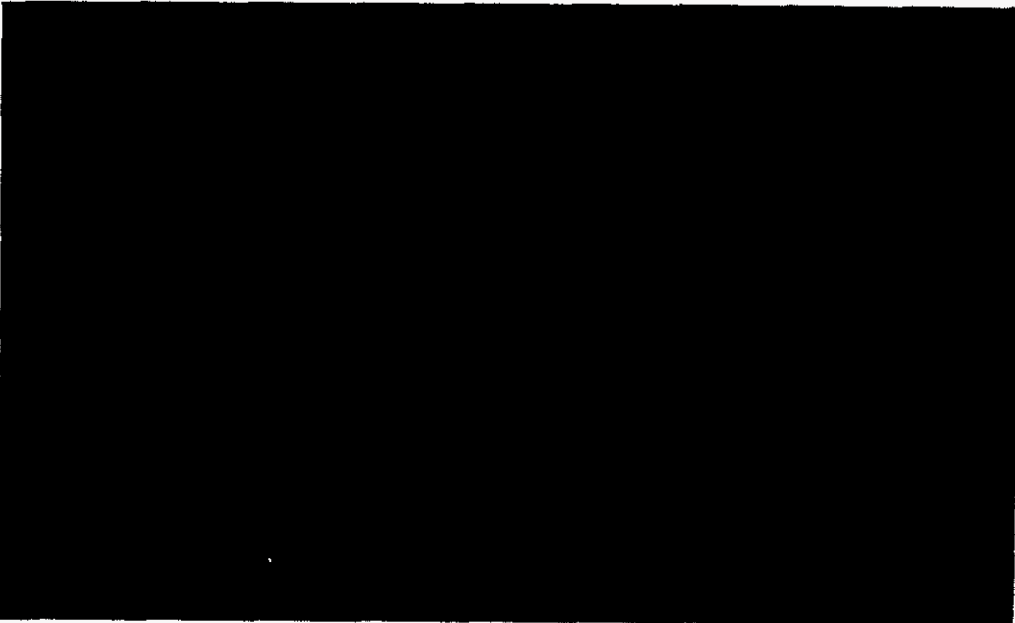
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12 **Tactical Plan**

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14 **Crist and Smith**

15 The chart below shows a breakdown of the current Crist and Smith
16 suppliers and volume commitments, including options, through 2016.




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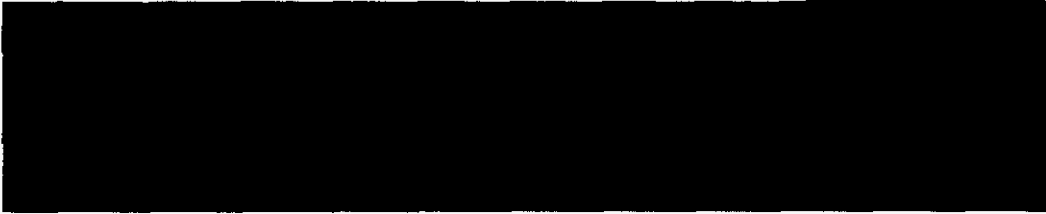
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1 The strategy for the intermediate plants is to have a certain percentage of
2 firm commitments established for the next several years.

3
4 Crist and Smith are projected to burn, on average, approximately 1.7
5 million tons of coal annually between 2013 and 2016. 

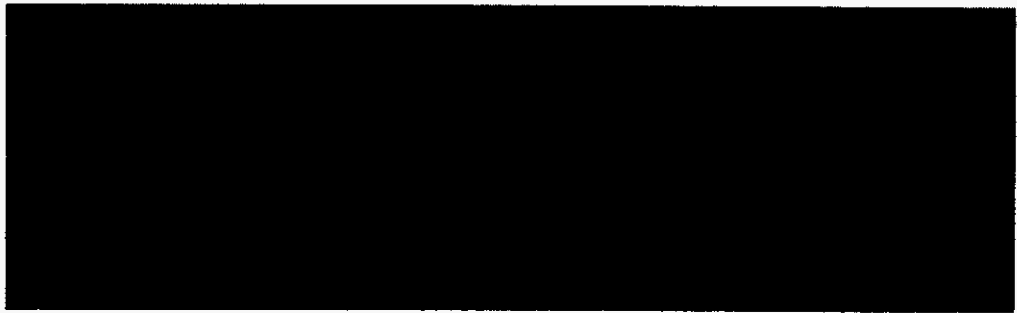
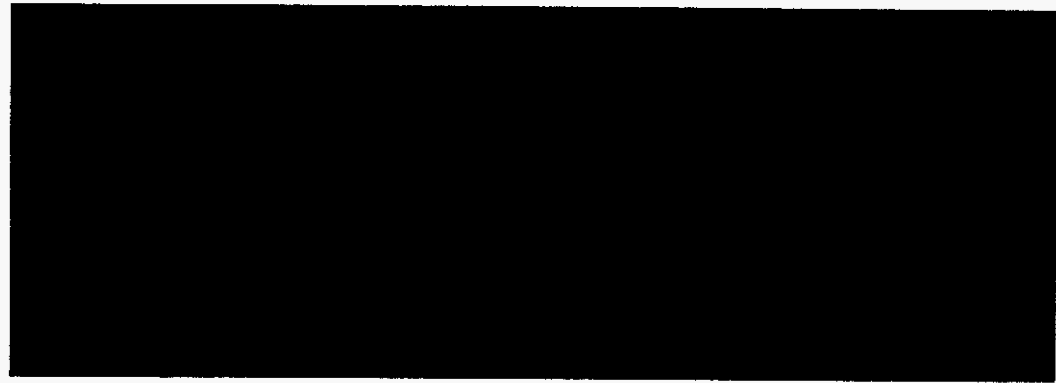
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11 In recent years, Plant Crist has undertaken a plan to blend Illinois Basin
12 coal with other low sulfur bituminous coals such as Colombian, Central
13 Appalachian and Colorado coals in order to take advantage of an
14 increased Btu content and decreased sulfur content of the blended
15 product. This practice of blending Illinois Basin coal with lower sulfur coals
16 is scheduled to continue.

17
18 Both Crist and Smith's portfolio currently includes coals from other supply
19 regions such as the Central Appalachian region and the western
20 bituminous regions of Colorado and Utah. These coals are being delivered
21 by rail to the Alabama State Docks (ASD) in Mobile, Ala.

22
23 In 2009, the ASD upgraded the rail unloading facility at the Bulk Terminal
24 to allow for an increase in volume of rail coal at this facility. Shipments can
25 also be delivered to various ports along the Mississippi River and
26 transloaded into barges for ultimate delivery to Crist and Smith.

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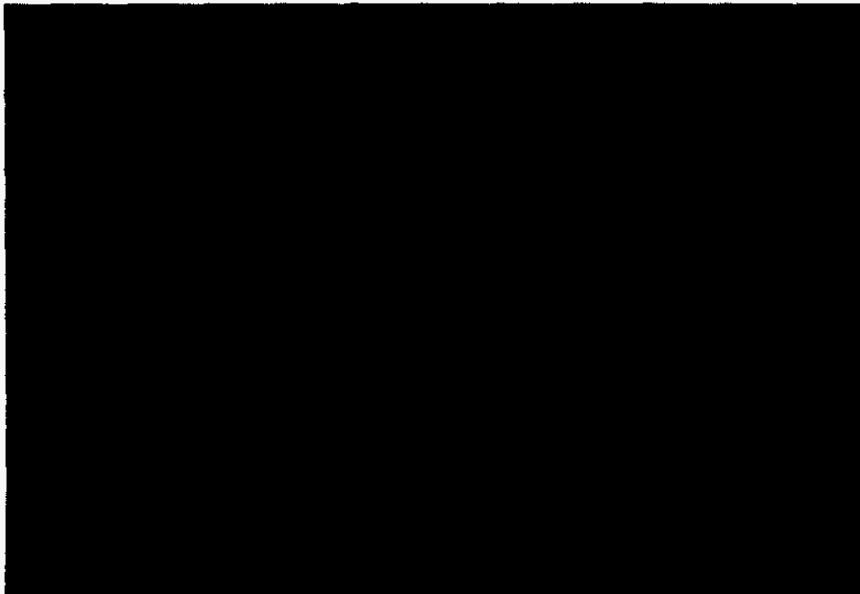
As mentioned above, Illinois Basin coal and lower sulfur coals such as Central Appalachian and/or Colorado coals must be blended before delivery to Plant Crist. This is currently accomplished by ralling both coals to the ASD and blending them for transloading into barges. This blending process could be performed at other off-site locations as economics permit.

1 Western bituminous coals can either be railed directly to ASD and
2 transloaded into barges or railed to the Mississippi River and transloaded
3 into barges for ultimate delivery to Crist and Smith. Currently, no
4 transportation infrastructure improvements will be necessary for the
5 movement of these coals to Gulf's plants.

6

7 Scholz

8 The chart below shows a breakdown of the current Scholz suppliers and
9 volume commitment, including options, through 2016.



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12 As mentioned previously, Scholz is served by the CSX Railroad and can
13 burn either Central Appalachian or Illinois Basin coals. Scholz's burn is
14 projected to be 16,000 tons in 2013.

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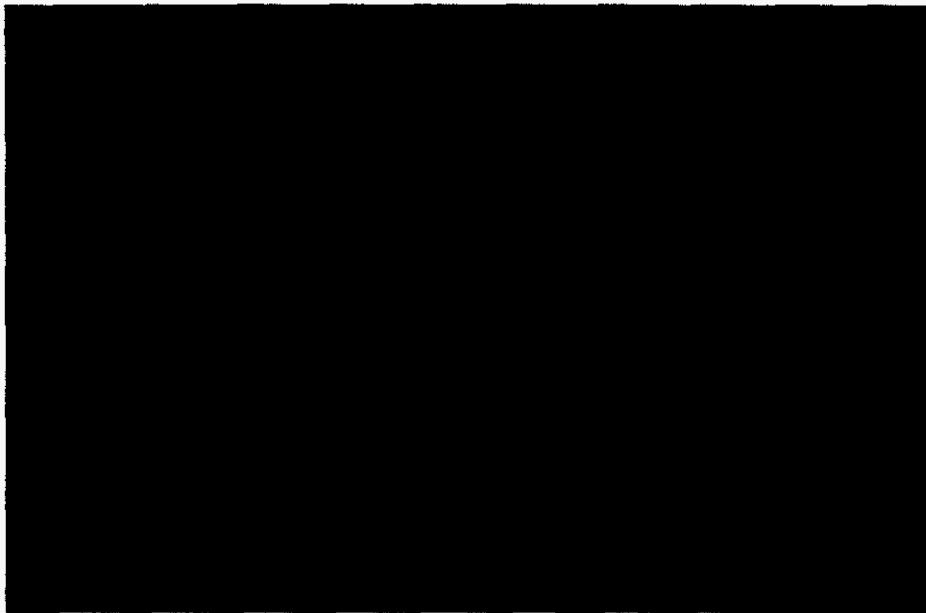
17 Scholz is a peaking plant, its fuel supply will be based on limited-term, firm

1 commitments and/or spot purchases depending on burn projections.
2 Contract commitment terms will be two years or less. If commitments are
3 made for more than 50 percent of projected burn requirements, the
4 contract will match the maximum annual tonnage purchased to the plant
5 burn requirements.

6

7 **Daniel**

8 The chart below shows a breakdown of the current Daniel suppliers and
9 volume commitments, including options, through 2016.



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12 As mentioned earlier, the strategy for intermediate plants is to have a
13 certain percentage of firm commitments established for the next several
14 years.

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

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

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

8

9 In addition to receiving import coal through the ASD, Daniel also has the
10 ability to take imported rail coal through the Convent Marine Terminal in
11 Convent, La. This is a proven facility that Daniel has used in the past.
12 Because it is an inland-river facility capable of unloading Panamax-sized
13 vessels, it provides additional security during hurricane season.

14

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

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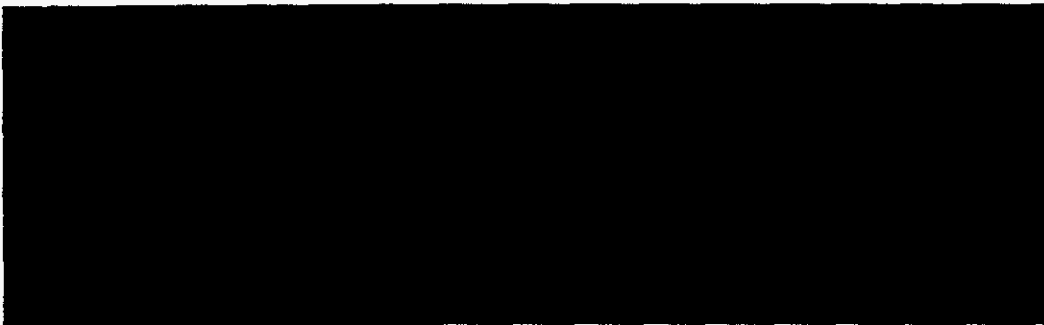
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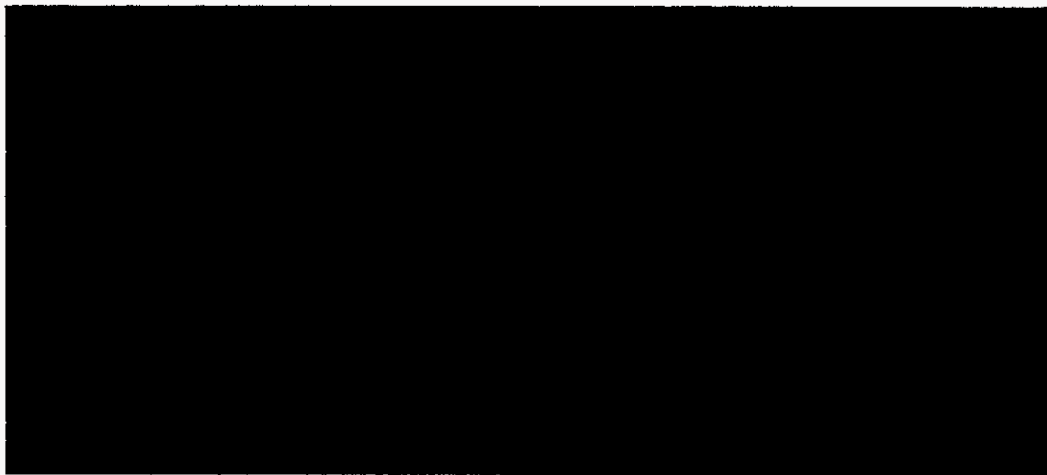
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1 **GULF POWER**
2 **TRANSPORTATION STRATEGY**

3 **August 1, 2012**

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6 **Introduction**

7 Gulf Power (Gulf) operates three coal-fueled plants with a combined
8 normal full-load gross rating of 1,469 megawatts (MWs) and with annual
9 coal consumption projected at more than 3 million tons. Gulf uses railcars
10 and barges to transport coal to its plants. In 2011, coal represented 67
11 percent of Gulf's generation sources. Gulf also co-owns 50 percent of
12 Plant Daniel, which is operated by Mississippi Power (MPC) and has a
13 projected annual coal consumption of 1.1 million tons. Transportation of
14 this coal is critical to the company's ability to serve its customers.

15
16 The highest priority for a coal transportation strategy is to maintain a
17 reliable, cost-competitive transportation system. Increasing competition in
18 the electric utility industry, demand/supply imbalance in the coal
19 transportation industry, the changing location of coal supply sources,
20 compliance with environmental regulations and the performance
21 capabilities of transportation providers are just a few of the challenges that
22 must be addressed when developing a transportation strategy.

23
24 The following is:

- 25 1) A review of the current coal transportation program, including current
26 agreements, available mode of transportation and budget.
27 2) A transportation strategy that identifies and addresses specific risks
28 and risk mitigation strategies.

- 1 3) A tactical plan detailing specific actions required in order to achieve
2 the strategy.
- 3 4) An overview of the transportation strategy for the movement of
4 limestone and gypsum, including contracts in place or under
5 negotiation.

6
7

8 **Transportation Program Overview**

9

10 **Plants Crist and Smith**

11 Crist and Smith have the ability to receive both import and domestic coal
12 by barge. Western coals can be transported by the Burlington Northern
13 Santa Fe Railway (BNSF) or Union Pacific Railroad (UP) to terminals on
14 the Ohio and Mississippi rivers or via the Canadian National Railway (CN)
15 to the Alabama State Docks facility in Mobile, Ala., and then barged to the
16 plants. Illinois Basin or Central Appalachian coal can be transported by
17 barge or by a combination of rail and barge to these plants as well.

18

19 Eastern coal can be transloaded at the Alabama State Docks facility via
20 interchanges with the Canadian National Railway (CN), CSX
21 Transportation Inc. (CSXT), Alabama and Gulf Coast Railway (AGR), and
22 Norfolk Southern (NS) railroads. Import coal can be delivered by ocean
23 vessel to the Alabama State Docks for barge movement to the plants. In
24 2013 Crist and Smith will receive import coal, Central Appalachian coal,
25 Illinois Basin coal and coal.

26

27 A rail contract with Norfolk Southern is being negotiated to provide for the
28 rail transportation of Central Appalachian coal from Alpha Coal Sales to

A

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1 the Alabama State Docks through Dec. 31, 2014. [REDACTED]

2 [REDACTED]

3 [REDACTED]

4

5 CN Agreement CN-517554-AA provides for rail transportation of Illinois
6 Basin coal to the Alabama State Docks through. [REDACTED]

7 [REDACTED]

8 [REDACTED]

9

10 A barge contract is being negotiated with a commercial barge carrier for
11 the barge transportation of 360,000 tons of Central Appalachian coal from
12 Argus Energy loaded on the Big Sandy River for delivery to Mobile for final
13 delivery to Smith in 2013.

14

15 Crist and Smith are served primarily by a single barge carrier for tons
16 delivered by rail or barge to the Port of Mobile, Marquette Transportation
17 Company, LLC (Marquette). Marquette agreement (SC09005-T) provides
18 for transportation of coal to both plants from the Alabama State Docks or
19 Mobile area barge fleets.

20

21 **Plant Scholz**

22 Scholz is rail served by the CSXT railroad. The plant has the ability to
23 receive both domestic and import coal. Import coal could be brought into
24 the Alabama State Docks and then transloaded into railcars for movement
25 to the plant.

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1 Scholz has an agreement with the CSXT railroad (CSXT-C-83791). [REDACTED]

2 [REDACTED]

3 [REDACTED]

4

5 **Plant Daniel**

6 Daniel is served by the Mississippi Export Railroad (MSE) that
7 interchanges with the CSXT and the CN. Daniel accesses Powder River
8 Basin (PRB) and Colorado coal sources via multiple line hauls to the MSE
9 from the BNSF, UP and CN railroads.

10

11 Daniel can also take advantage of import coals, when economical, through
12 the Alabama State Docks. Import coal is transloaded from an ocean vessel
13 at the Alabama State Docks facility to railcars for shipment to the plant by
14 the CN and interchanged with the MSE. Daniel can also receive Central
15 Appalachian coal via the CSXT and interchange with the MSE. Another
16 potential source of Central Appalachian coal is via the NS railroad through
17 an interchange agreement with the CN railroad. Currently, Daniel receives
18 Colorado and PRB.

19

20 UP agreement UP-52624 with UP/CN/MSE provides for rail transportation
21 of Colorado coal to Daniel. [REDACTED]

22 [REDACTED]

23 [REDACTED]

24

25 BNSF agreement BNSF-12677 provides for rail transportation of PRB coal
26 to Memphis, TN where BNSF interchanges with CN to deliver the PRB
27 coal to Daniel. [REDACTED]

1 CN/MSE agreement CN-520546-AA provides for rail transportation of PRB
2 coal from Memphis, TN to Daniel. [REDACTED]

3 [REDACTED]

4

5 **Budget**

6 During the next 10 years, Gulf is budgeted to transport approximately 3
7 million tons of coal per year. [REDACTED]

8 [REDACTED]

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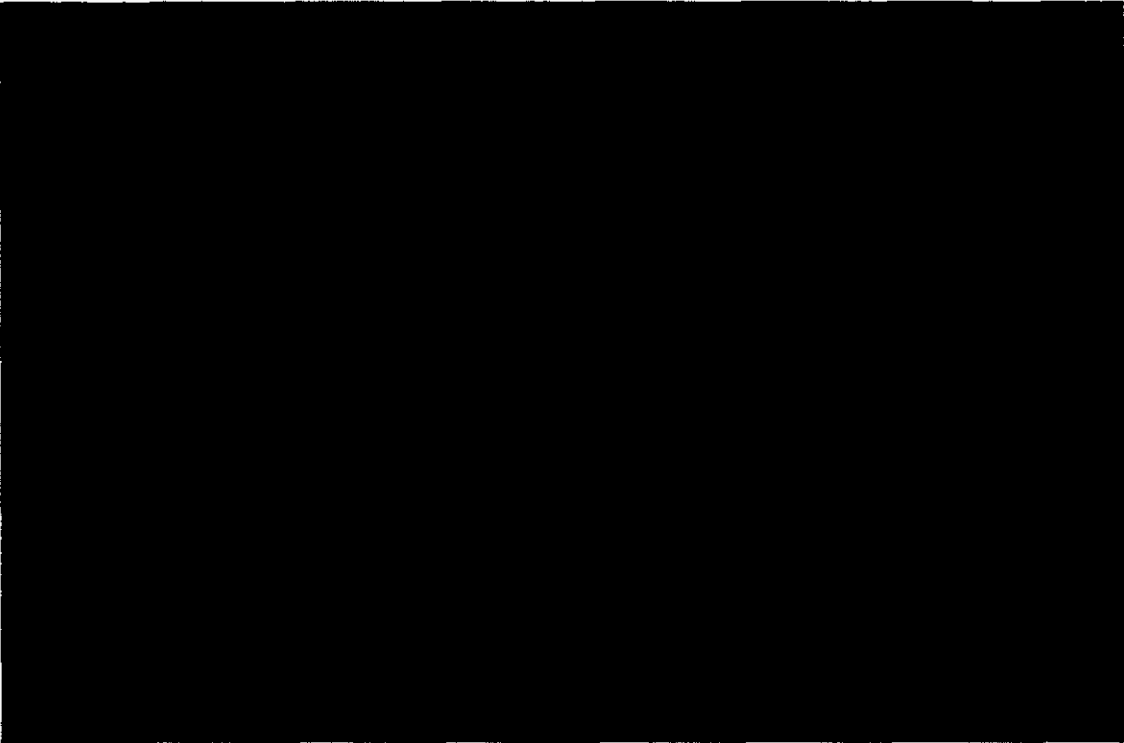
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Coal Transportation Procurement Strategy

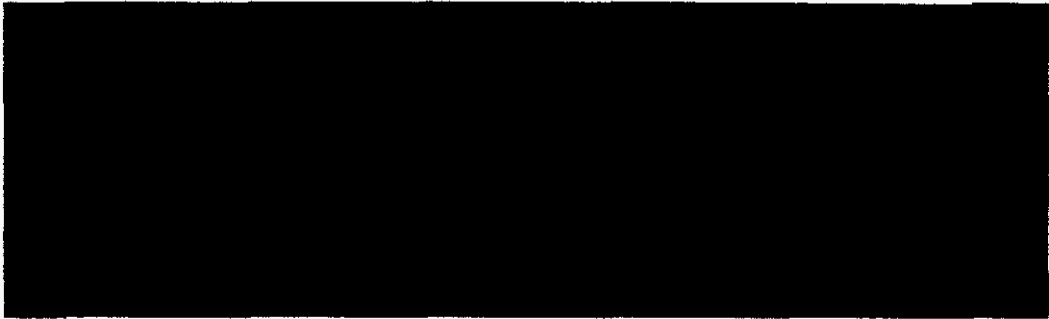
A transportation strategy must address reliability, competitive prices, flexibility in volume commitments and the ability to adjust coal movements to changing coal supply sources. The following information addresses the risks associated with each of these areas and identifies strategies to mitigate them.

RISKS AND RISK MITIGATION STRATEGIES

Reliability Risk and Strategy

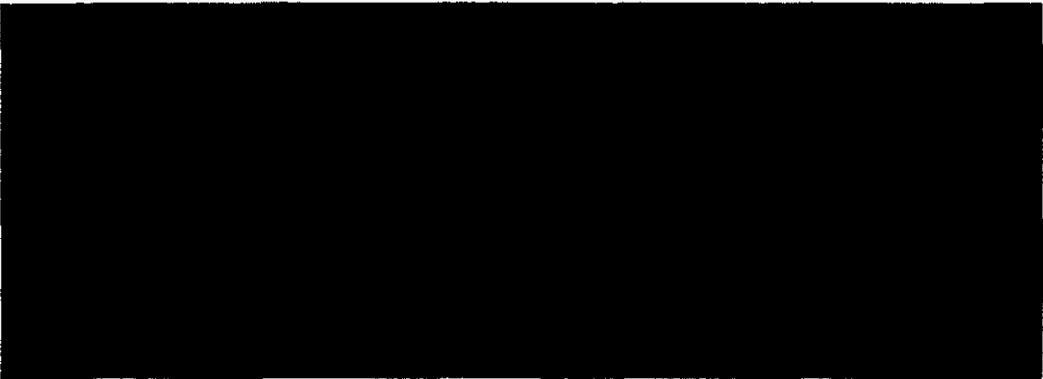
Reliable delivery of coal ensures that fuel will be available to generate electricity. Term agreements will be negotiated and signed with the transportation carriers to ensure the barge and rail companies will have

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Volume Risk and Strategy

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



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Supply Risk and Strategy

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

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.

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1 The Alabama State Docks' McDuffie Coal Terminal has the capacity to
2 receive approximately 16 million tons of import coal per year. In addition,
3 the Alabama State Docks recently completed the bulk unloader railcar
4 project at its Bulk Materials Handling Plant (Bulk Plant). Upgrade of railcar
5 handling facilities provides the Bulk Plant with the ability to receive an
6 additional 3 million tons of coal per year by rail.

7
8 **Tactical Plan**

9
10 **Plants Crist and Smith**

11 A rail contract with Norfolk Southern is being negotiated to provide for the
12 rail transportation of Central Appalachian coal from Alpha Coal Sales to
13 the Alabama State Docks through Dec. 31, 2014. [REDACTED]

14 [REDACTED]
15 [REDACTED]
16 [REDACTED]
17
18 CN Agreement CN-517554-AA provides for rail transportation of Illinois
19 Basin coal to the Alabama State Docks. [REDACTED]

20 [REDACTED]
21 [REDACTED]
22 [REDACTED]
23
24 A barge contract is being negotiated with a commercial barge carrier for
25 the barge transportation of 360,000 tons of Central Appalachian coal from
26 Argus Energy loaded on the Big Sandy River for delivery to Mobile for final
27 delivery to Smith in 2013. [REDACTED]

1 Marquette agreement (SC09005-T) provides primary barge transportation
2 of coal from the Alabama State Docks to Crist and Smith. Marquette
3 agreement (SC09006-T) and Heartland Barge Management agreement
4 (SC09004-T) provide a supply of barges to move coal to Crist and Smith.

5
6 [REDACTED]
7 [REDACTED]
8 [REDACTED]
9 [REDACTED]
10 [REDACTED]
11 [REDACTED]
12 [REDACTED]
13 [REDACTED]

14
15 [REDACTED]
16 [REDACTED]
17 [REDACTED]
18 [REDACTED]
19 [REDACTED]
20 [REDACTED]

21
22 **Plant Scholz**
23 Scholz has an agreement with the CSXT railroad (CSXT-C-83791) that
24 expires Dec. 31, 2014.

25
26 **Plant Daniel**
27 UP agreement UP-52624 with UP/CN/MSE provides for rail transportation
28 of Colorado coal to Daniel. [REDACTED]

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[REDACTED]

BNSF agreement BNSF-12677 provides for rail transportation of PRB coal to Memphis, TN where BNSF interchanges with CN to deliver the PRB coal to Daniel. The BNSF agreement expires Dec. 31, 2014. No action is needed on this agreement in 2013.

CN/MSE agreement CN-520546-AA provides for rail transportation of PRB coal from Memphis, TN to Daniel. [REDACTED]

[REDACTED]

1 **Gulf Power's Natural Gas Procurement Strategy**

2 **August 1, 2012**

3
4 **Gas Program Overview**

5 Natural Gas is used for primary fuel at the Smith 3 combined cycle unit, boiler
6 lighter fuel at Crist Units 4-7, and for generation secured under purchased power
7 agreements beginning in 2009. Prior to 2002, natural gas represented a
8 relatively small portion of Gulf's overall fuel budget. With the addition of the
9 Smith 3 combined-cycle unit in 2002, natural gas became a more significant
10 portion of Gulf's overall fuel budget.

11 Gulf Power's natural gas procurement strategy is to purchase a cost effective yet
12 highly reliable fuel supply to support the operation of its generating facilities.

13 Securing competitive fuel prices for its customers and minimizing both price and
14 supply risk are the governing considerations in developing Gulf's fuel
15 procurement strategy.

16
17 **Projected Natural Gas Purchases**

18 Southern Company Services (SCS) as agent for Gulf purchases natural gas to
19 be delivered to Plant Crist for lighter purposes on the coal fired units and to Plant
20 Smith as primary fuel for Unit 3 which is a combined cycle generating unit. SCS
21 will also purchase natural gas to serve as primary fuel for the Coral (Baconton),
22 Southern Power (Dahlberg) and Shell (Central Alabama) purchased power
23 agreements. Gulf has contracted for storage capacity at Bay Gas Storage near
24 Mobile, AL and at Southern Pines Energy Center near Hattiesburg, MS and will
25 purchase natural gas to maintain targeted quantities of gas in storage during the
26 year. The following chart shows the total projected gas burn for 2013 through
27 2014 in MMBTU that these purchases will support:

A

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1

PROJECTED NATURAL GAS BURN (MMBTU) INCLUDING PPA TOLLING

2

AGREEMENTS

	Month	2013	2014
3a	January		
3b	February		
3c	March		
3d	April		
3e	May		
3f	June		
3g	July		
3h	August		
3i	September		
3j	October		
3k	November		
3l	December		
3m	TOTAL		

3

Procurement Strategy

5

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.

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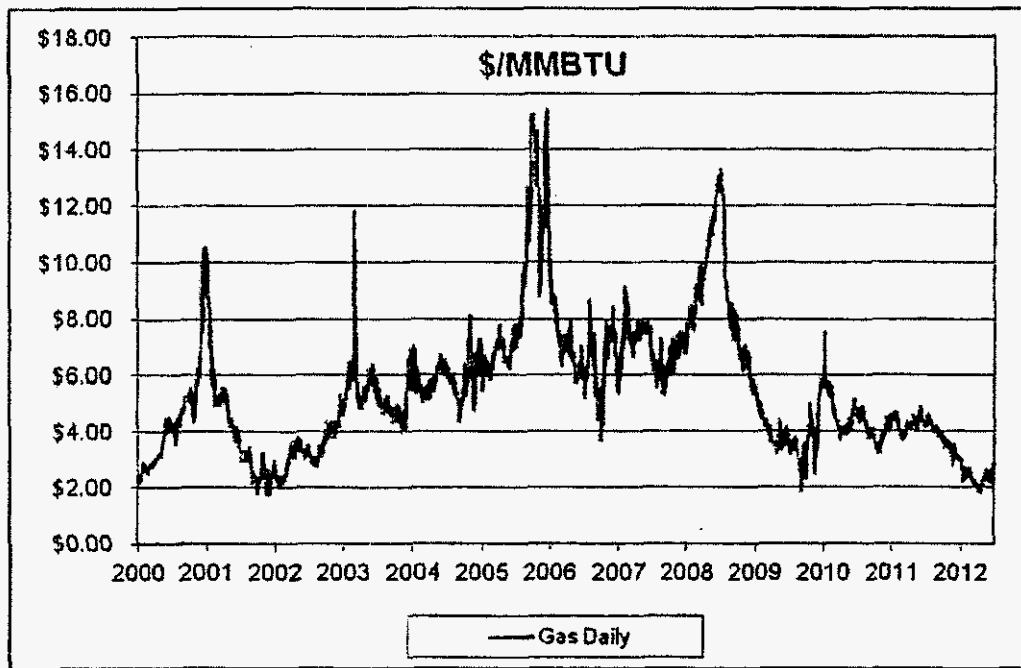
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For Gulf, spot-market contracts have a term of less than one year and long-term contracts have a term of 1 year or longer. All natural gas, regardless of whether it is bought under long-term contracts or spot-market contracts, is purchased at market based prices. While fuel purchased at market over long periods is a low cost option for customers, it does expose the customers to short-term price volatility. Since these price fluctuations can be severe, Gulf Power, at the direction of the Florida Public 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 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 would result if fuel prices actually settle at higher prices than when the hedges were placed.

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

Historical Natural Gas Prices 1/1/2000 through 6/30/2012 - NYMEX



18

A B C D E

1 **Pricing Strategy**

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

12

	Period	Lower Target Hedge %	Upper Target Hedge %
12a	Prompt Year (2013)	[REDACTED]	[REDACTED]
12b	Year 2 (2014)	[REDACTED]	[REDACTED]
12c	Year 3 (2015)	[REDACTED]	[REDACTED]
12d	Year 4 (2016)	[REDACTED]	[REDACTED]
12e	Year 5 (2017)	[REDACTED]	[REDACTED]

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

14

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

22

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

25 [REDACTED]

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[REDACTED]

SCS will employ both technical and fundamental analysis to determine appropriate times to hedge. However, the objective is not to speculate on market price or attempt to outguess or "beat the market". [REDACTED]

[REDACTED]

While the hedging program will protect the customer from short-term price spikes, hedges can also lead to higher costs when natural gas prices fall subsequent to entering hedges. Gulf Power will limit the amount of fixed-price hedges to a maximum of [REDACTED] percent of the projected fuel burn for the upcoming year. In addition, Gulf Power will limit option priced hedges to [REDACTED] percent of its projected burn. Finally, in order to protect its customers from market exposure in subsequent years, Gulf Power will take forward hedge positions for up to [REDACTED] months into the future.

1 **Gulf Power's Oil Procurement Strategy**

2 **August 1, 2012**

3
4 **Oil Program Overview**

5
6 Oil is used at Gulf predominantly for boiler lighting. Oil is used as a boiler lighter
7 fuel at Crist units 4-7, Daniel 1&2, Scherer 3, Scholz 1&2 and Smith 1&2. Oil is
8 also the primary fuel at the Smith A CT unit and as back-up fuel at the Coral
9 (Baconton) and Southern Power (Dahlberg) CT units and the Shell (Central
10 Alabama) CC Plant currently under purchase power agreements with Gulf.
11 Overall, oil use is projected to be a small portion of Gulf's overall fuel budget.

12
13 **Procurement Strategy**

14
15 Gulf's strategy for oil procurement is to purchase the commodity at market prices.
16 Fuel purchased at-market over a long period is a low cost option for customers.

17
18 Gulf purchases fuel oil on an annual basis through a formal bidding process. As
19 part of this bidding process, Gulf negotiates predetermined contracts to set the
20 index based market price for the commodity and delivery adders for fuel oil
21 delivery to each plant. As inventories are depleted during the year, Gulf will
22 purchase additional fuel oil quantities based on the negotiated contract for the
23 plant.

24
25 **Pricing Strategy**

26 Oil pricing will be indexed to current market prices at the time purchases are
27 made. Since fuel oil is such a small portion of the overall fuel budget, Gulf does
28 not currently plan to financially hedge oil prices.

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Gulf Power Company Risk Management Policy

I. Introduction

Natural gas has become a large part of the Gulf Power Company (Company) fuel program. This increased need, combined with the market price volatility associated with natural gas and purchased energy, has created a need to begin hedging the risks related to the Company's overall fuel program.

II. Objectives

The primary objective of this Risk Management Policy (RMP) is to establish guidelines for use of hedging transactions associated with the Company's fuel program. Hedging transactions will allow the Company to:

- Reduce price volatility
- Provide more predictable stability to customers, and
- Provide additional flexibility and options in the procurement of fuel.

III. Guidelines

The risk management guidelines of The Southern Company require any business unit engaging in risk management activities to establish a Risk Oversight Committee (ROC). The officer listed below in Section IV will serve as the Company's ROC for this program.

The Southern Company Derivatives Policy states:

1 "It is the policy of The Southern Company that derivatives are
2 to be used only in a controlled manner, which includes
3 identification, measurement, management, control and
4 monitoring of risks. This includes, but is not limited to, well-
5 defined segregation of duties, limits on capital at risk, and
6 established credit policies. When the use of derivatives is
7 contemplated, this policy requires that a formal risk
8 management plan be developed that adheres to The Southern
9 Company Risk Oversight Committee Business Unit
10 Guidelines. This policy also requires that, prior to initiation of
11 a risk management program that makes use of derivatives, the
12 risk management program must be approved by both the
13 Chief Financial Officer of the respective Southern Company
14 subsidiary and the Chief Financial Officer of The Southern
15 Company."

16

17 The Southern Company Generation Risk Management Policy (SCGen
18 RMP), attached in Section 6 of this document, will be the governing policy
19 in the administration of the Company's fuel procurement program. The
20 SCGen RMP provides all criteria specified in the above extract from the
21 Southern Company Derivatives Policy.

22

23 The Gulf Power Company Board of Directors has authorized the use of
24 hedging transactions relating to contracts and other agreements for fuel
25 supplies. The board resolution is shown below:

26

1 **"RESOLVED,** That The Southern Company System Policy on
2 Use of Derivatives (the "Policy") as presented to the
3 meeting is hereby approved; and

4
5 **RESOLVED FURTHER,** That the Officers are hereby
6 authorized to effect derivative transactions that comply
7 with the policy, including swaps, caps, collars, floors,
8 swap options, futures, forward and options, relating to
9 energy and associated commodities, weather, interest
10 rates, currencies, and contracts and other arrangements
11 for fuel supplies; and

12
13 **RESOLVED FURTHER,** That in connection with the
14 foregoing, the officers are hereby authorized to take any
15 and all actions and to execute, deliver and perform on
16 behalf of the Company any and all agreements and
17 other instruments as they consider necessary,
18 appropriate or advisable, each such agreement or other
19 instrument to be in such form as the officers executing
20 the same shall approve, the execution thereof to
21 constitute conclusive evidence of such approval."

22 **IV. Process**

23
24 Certain officers of the Company were given authority to enter into hedging
25 transactions that they consider necessary in order to reduce risk
26 associated with procuring fuel and energy. The authorized officers are Vice
27 President, Chief Financial Officer and Comptroller for Gulf Power
28 Company or his designee.

1 Once authorization has been received, Southern Company Services Fuel
2 Services, agent for Gulf Power Company, will conduct all hedging
3 transactions in accordance with the Southern Company Generation Risk
4 Management Policy.

5 It is the responsibility of SCGen Risk Control (the mid-office) to inform the
6 Fuel Manager for Gulf Power Company or the Regulatory Accounting
7 Manager for Gulf Power Company about the use of hedging transactions
8 associated with Gulf generation resources and to provide open position
9 values (mark to market) to the above noted individuals and the Gulf Chief
10 Financial Officer and Comptroller.

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Southern Company
Energy Trading Risk Management Policy

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I. Introduction

In August 1997, the Southern Company Risk Oversight Committee ("SROC") approved a set of risk management guidelines. Also, at various times during 2000 through 2002, the boards of directors for Southern Company, the Operating Companies (Alabama Power Company, Georgia Power Company, Gulf Power Company, and Mississippi Power Company), and Southern Power Company ("SPC") adopted the Southern Company Policy on the Use of Derivatives ("Derivatives Policy"). During 2006, the risk oversight and governance framework for Southern Company continued to evolve to further refine the oversight structure and to reflect organizational changes since the 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, along with the Risk Advisory and Controls Committee, replaced the Energy Risk Management Board and assumed its responsibilities.

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.

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.

II. Purpose

[REDACTED]

[REDACTED]

[REDACTED]

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III. Business Objectives

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

IV. Business Strategies

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

[Redacted]

[Redacted]

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.

V. Authorizations

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

VI. Segregation of Duties

[Redacted]

[Redacted]

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[Redacted]

[Redacted]

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

Origination and Structuring: The functions of origination and structuring include the following responsibilities:

[Redacted]

Confirmation, Monitoring, and Reporting: The functions of trade confirmation, risk monitoring, and risk reporting include the following responsibilities:

[Redacted]

Settlement: The function of settlement includes the following responsibilities:

[Redacted]

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Cash Management: SCS Treasury is responsible for receiving and disbursing all funds from or to counterparties and for the delivery of margin / collateral requirements. SCS Treasury will also be responsible for investment of collateral provided by counterparties.

Accounting: SCS Accounting is responsible for posting transactions to the general ledger and reconciling the subledgers to the general ledger.

VII. Market Risk Identification



VIII. Market Risk Measurement and Valuation



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IX. 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.

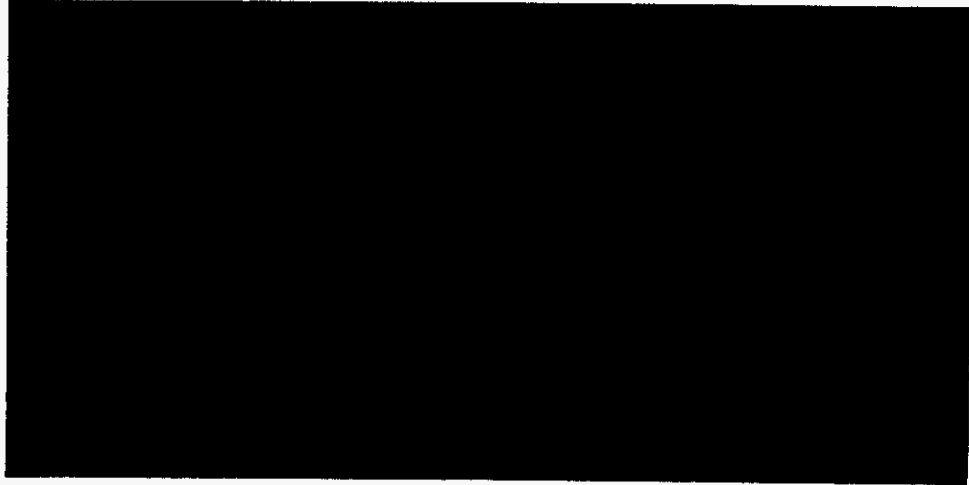
Notifications Certain notifications to management are required as defined in Appendix G.

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.

X. Credit Risk



XI. New Products

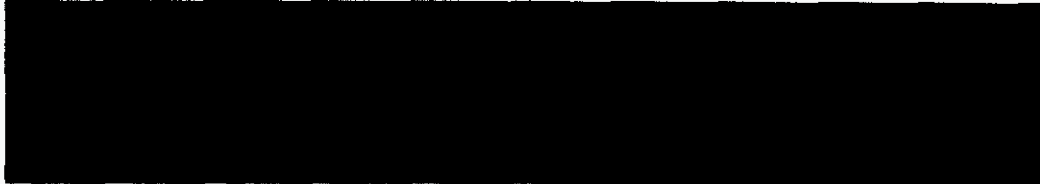


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XII. Funding Liquidity



XIII. Operating Procedures and Systems



XIV. Accounting and Tax



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XV. Legal



XVI. Monitoring and Reporting

SCS Risk Control personnel will calculate and report the following items on a daily basis:



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

XVII. Personal Trading



XVIII. Business Recovery



XIX. Compliance



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XX. Independent Review



XXI. Policy Amendments



XXII. Terminology

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

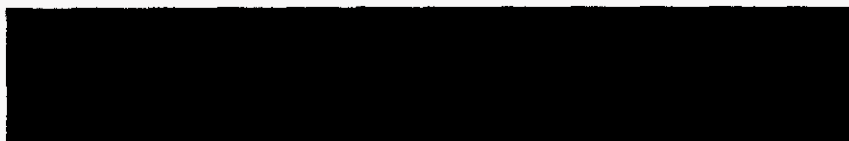
1
2 APPENDIX A
3 APPROVED BUSINESS OBJECTIVES
4

5 Fleet Operations and Trading
6

7 The primary objectives of Fleet Operations and Trading are to:
8



14
15 In addition to the primary objectives, Fleet Operations and Trading may execute secondary
16 activities as limited by Appendix H to achieve the following secondary objectives to the
17 extent permitted by all applicable policies and regulations:
18

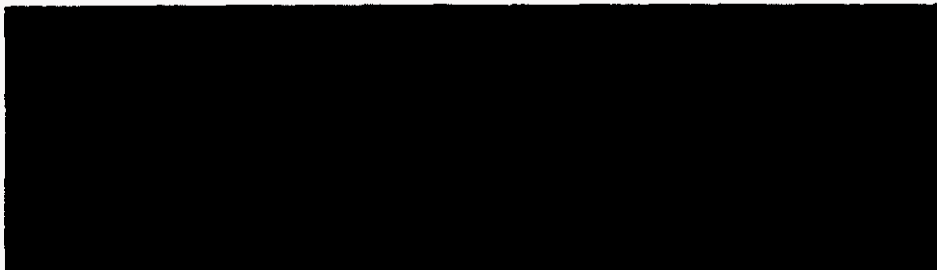


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24 Southern Power Company Trading & Asset Management
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26 The primary objectives of the SPC Trading and Asset Management activities are the
27 following:
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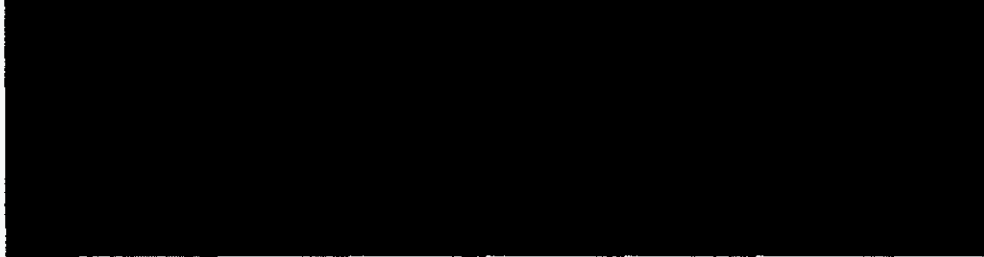
32
33 In addition to the primary objectives, SPC Trading & Asset Management may execute
34 secondary activities as limited by Appendix H to achieve the following secondary objectives
35 to the extent permitted by all applicable policies and regulations (including, but not limited
36 to the IIC and Separation Protocol):
37



1 All SPC Secondary Strategies must be approved by the SPC Chief Financial Officer and the
2 SPC Chief Commercial Officer.

3
4 Natural Gas Fulfillment Function

5
6 The primary objectives of the Natural Gas Fulfillment Function are to:



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

20
21 Environmental Products Management Function

22
23 The primary objectives of the Environmental Products Management Function are to:



34
35 Secondary activities of the Environmental Products Management Function are restricted to
36 positions intended to hedge secondary power positions, and which have been requested by
37 Fleet Operations and Trading or SPC Trading & Asset Management.

38
39 Coal Fulfillment Function

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41 The primary objectives of the Coal Fulfillment Function are to:



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Secondary activities of the Coal 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.

APPENDIX B
APPROVED COMMODITIES

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The approved commodities for this RMP are:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

APPENDIX C
APPROVED INSTRUMENTS

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The approved instruments are:

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

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APPENDIX D
AUTHORIZATIONS

	Name	Authority
3a	[Redacted]	[Redacted]
3b	[Redacted]	[Redacted]
3c	[Redacted]	[Redacted]
3d	[Redacted]	[Redacted]
3e	[Redacted]	[Redacted]
3f	[Redacted]	[Redacted]
3g	[Redacted]	[Redacted]
3h	[Redacted]	[Redacted]
3i	[Redacted]	[Redacted]
3j	[Redacted]	[Redacted]
3k	[Redacted]	[Redacted]
3l	[Redacted]	[Redacted]
3m	[Redacted]	[Redacted]
3n	[Redacted]	[Redacted]
3o	[Redacted]	[Redacted]
3p	[Redacted]	[Redacted]
3q	[Redacted]	[Redacted]
3r	[Redacted]	[Redacted]
3s	[Redacted]	[Redacted]
3t	[Redacted]	[Redacted]
3u	[Redacted]	[Redacted]
3v	[Redacted]	[Redacted]
3w	[Redacted]	[Redacted]
3x	[Redacted]	[Redacted]
3y	[Redacted]	[Redacted]
3z	[Redacted]	[Redacted]
3aa	[Redacted]	[Redacted]
3bb	[Redacted]	[Redacted]
3cc	[Redacted]	[Redacted]
3dd	[Redacted]	[Redacted]
3ee	[Redacted]	[Redacted]
3ff	[Redacted]	[Redacted]
3gg	[Redacted]	[Redacted]
3hh	[Redacted]	[Redacted]
3ii	[Redacted]	[Redacted]
3jj	[Redacted]	[Redacted]

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APPENDIX D
AUTHORIZATIONS (continued)
Energy Marketing

	Name	Authority
6a	[REDACTED]	[REDACTED]
6b	[REDACTED]	[REDACTED]
6c	[REDACTED]	[REDACTED]
6d	[REDACTED]	[REDACTED]
6e	[REDACTED]	[REDACTED]
6f	[REDACTED]	[REDACTED]
6g	[REDACTED]	[REDACTED]
6h	[REDACTED]	[REDACTED]
6i	[REDACTED]	[REDACTED]
6j	[REDACTED]	[REDACTED]
6k	[REDACTED]	[REDACTED]
6l	[REDACTED]	[REDACTED]
6m	[REDACTED]	[REDACTED]
6n	[REDACTED]	[REDACTED]
6o	[REDACTED]	[REDACTED]
6p	[REDACTED]	[REDACTED]
6q	[REDACTED]	[REDACTED]
6r	[REDACTED]	[REDACTED]
6s	[REDACTED]	[REDACTED]
6t	[REDACTED]	[REDACTED]
6u	[REDACTED]	[REDACTED]
6v	[REDACTED]	[REDACTED]
6w	[REDACTED]	[REDACTED]
6x	[REDACTED]	[REDACTED]
6y	[REDACTED]	[REDACTED]
6z	[REDACTED]	[REDACTED]

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APPENDIX D
AUTHORIZATIONS (continued)
SCS Fuel Services

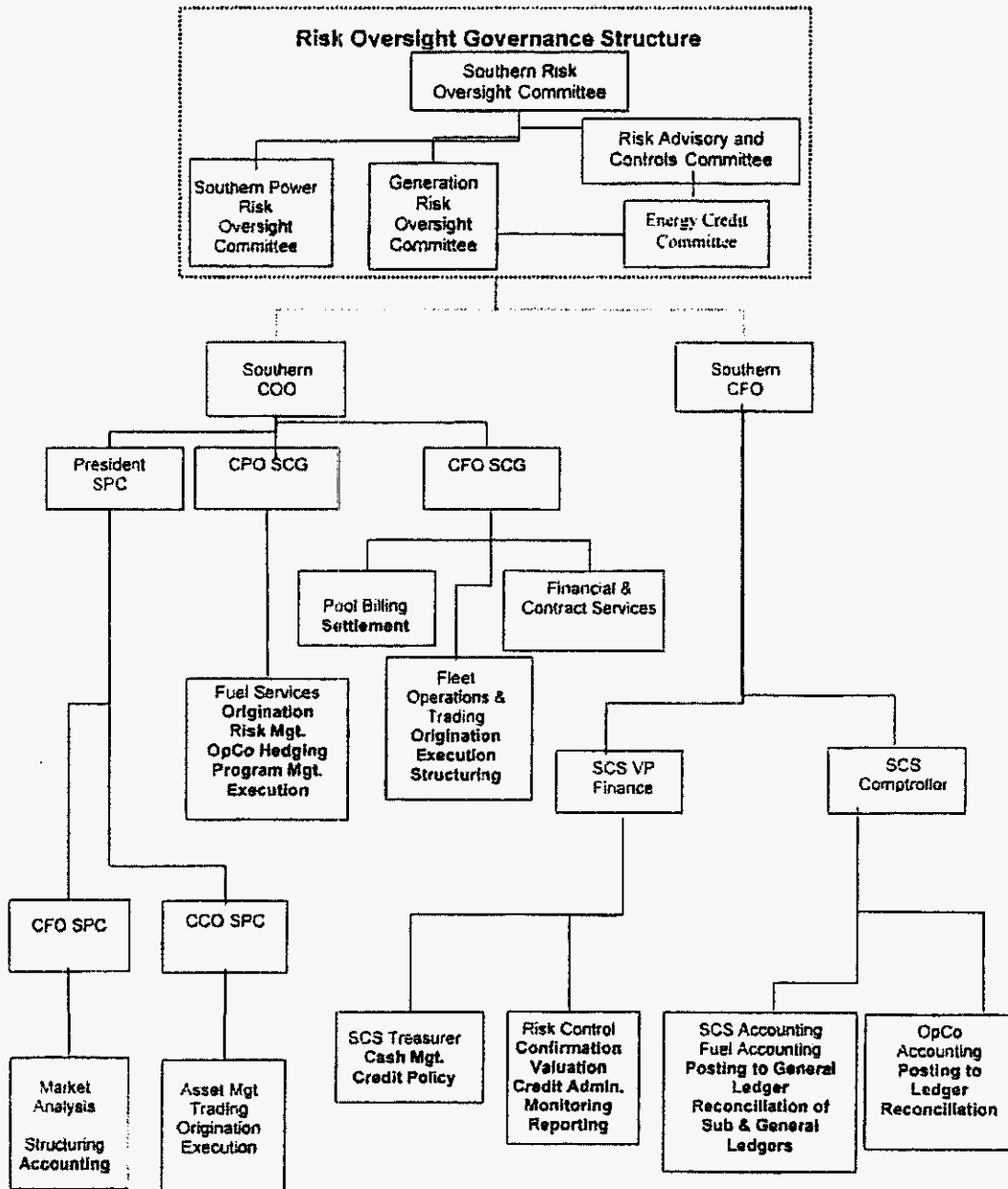
	Name	Authority
5a	[REDACTED]	[REDACTED]
5b	[REDACTED]	[REDACTED]
5c	[REDACTED]	[REDACTED]
5d	[REDACTED]	[REDACTED]
5e	[REDACTED]	[REDACTED]
5f	[REDACTED]	[REDACTED]
5g	[REDACTED]	[REDACTED]
5h	[REDACTED]	[REDACTED]
5i	[REDACTED]	[REDACTED]
5j	[REDACTED]	[REDACTED]
5k	[REDACTED]	[REDACTED]
5l	[REDACTED]	[REDACTED]
5m	[REDACTED]	[REDACTED]
5n	[REDACTED]	[REDACTED]
5p	[REDACTED]	[REDACTED]
5q	[REDACTED]	[REDACTED]
5r	[REDACTED]	[REDACTED]
5s	[REDACTED]	[REDACTED]
5t	[REDACTED]	[REDACTED]
5u	[REDACTED]	[REDACTED]
5v	[REDACTED]	[REDACTED]
5w	[REDACTED]	[REDACTED]
5x	[REDACTED]	[REDACTED]
5y	[REDACTED]	[REDACTED]
5z	[REDACTED]	[REDACTED]
5aa	[REDACTED]	[REDACTED]
5bb	[REDACTED]	[REDACTED]
5cc	[REDACTED]	[REDACTED]
5dd	[REDACTED]	[REDACTED]
5ee	[REDACTED]	[REDACTED]
5ff	[REDACTED]	[REDACTED]
5gg	[REDACTED]	[REDACTED]
5hh	[REDACTED]	[REDACTED]

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APPENDIX E SEGREGATION OF DUTIES

To ensure that risk management activities are properly carried out, certain functions will be separated. The following chart identifies these functions (depicted as **BOLD** bullet items) and their reporting process.



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APPENDIX F
MARKET RISK MEASUREMENT

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4b
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Approved Commodities	Value at Risk Method
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

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Parametric VaR Methodology
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

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

12a
12b
12c
12d
12e
12f
13

ParametersCommodity	Holding Period (HP)	Multiplier (CI)
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

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?

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

Specifically, the expected downward stress is calculated as

$E[\Delta p/p \mid \Delta p/p < \Theta] =$ the Integral of $f(x) \cdot x dx$ from negative infinity to Θ and the expected upward stress is calculated as

$E[\Delta p/p \mid \Delta p/p > \Theta] =$ the Integral of $f(x) \cdot x dx$ from Θ to infinity

where Θ is the threshold that defines classification as an extreme event, $f(x)$ is an extreme value distribution fitted to a specific contract, and x is a percentage price change.

22a	[REDACTED]	[REDACTED]
22b	[REDACTED]	[REDACTED]
22c	[REDACTED]	[REDACTED]
22d	[REDACTED]	[REDACTED]
22e	[REDACTED]	[REDACTED]

Ad Hoc Stress Testing

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
- subjectively determined price changes.

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APPENDIX G
NOTIFICATION LEVELS

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5y
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5ab
5ac

Position Classification	Income Change	Notify
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

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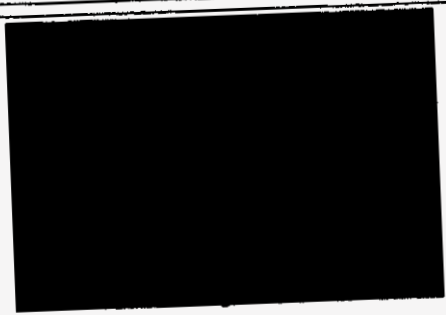


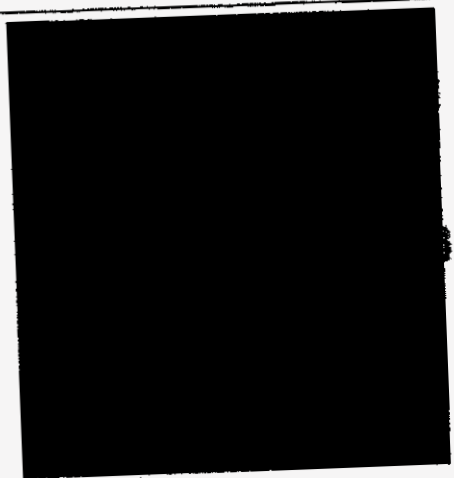
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APPENDIX G
NOTIFICATION LEVELS

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	Position Classification	Income Change	Notify
3a			
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APPENDIX G
NOTIFICATION LEVELS

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Position Classification	Value-at-Risk	Notify
[Redacted]	[Redacted]	[Redacted]

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

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APPENDIX G
NOTIFICATION LEVELS

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	Position Classification	Income Change	Notify
4a	[Redacted]	[Redacted]	[Redacted]
4b			
4c			
4d			
4e	[Redacted]	[Redacted]	[Redacted]
4f			
4g			
4h			
4i	[Redacted]	[Redacted]	[Redacted]
4j			
4k			
4l			
4m			

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	Position Classification	Income Change	Notify
7a	[Redacted]	[Redacted]	[Redacted]
7b			
7c			
7d			
7e	[Redacted]	[Redacted]	[Redacted]
7f			
7g			
7h			

8
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	Position Classification	Value-at-Risk	Notify
9a	[Redacted]	[Redacted]	[Redacted]
9b			
9c			
9d			

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APPENDIX H
MARKET RISK LIMITS
Net Open Position Limits

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10 NOTE: Although the value-at-risk limit applies to positions marked to market through
11 income, VaR is calculated and monitored for all positions, and there are notification
12 requirements as defined in Appendix G.

13
14 **If such open position limits are exceeded, SCS Risk Control will calculate and**
15 **equitably allocate the responsibilities to bring the positions back into compliance.**

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APPENDIX I
INCUMBENT LISTING; AUTHORIZED INDIVIDUALS
Incumbent Listing

Title
Chief Financial Officer, Southern Company Chairman, Southern Risk Oversight Committee Chairman, Risk Advisory and Controls Committee
Chief Operating Officer, Southern Company
Chief Financial Officer, Operations
President, Southern Power Company
Chief Commercial Officer, Southern Power Company
Chief Financial Officer, Southern Power Company Chairman, Southern Power Risk Oversight Committee
Vice President, Fuel Services
Vice President, Fleet Operations and Trading
Manager, Risk Control
Manager, Energy Trading
Manager, Southern Power Trading & Asset Management
Coal Services Director
Gas Services Director
Gas Trading Manager
Gas Operations Manager

5
6

Southern Company Risk Oversight Committee

Title
CFO & CRO, Southern Company
Chairman, President, and CEO, Southern Company
EVP, President & CEO, SCS
EVP & COO, SCS
EVP, Southern Company & President & CEO, APC
EVP, Southern Company & President & CEO, GPC
EVP, Southern Company & President & CEO, MPC
EVP, Southern Company & President & CEO, Gulf
EVP, Southern Company & President External Affairs
EVP, General Counsel, and Corporate Secretary, Southern Company
EVP, Finance & Treasurer – invited guest

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APPENDIX I
INCUMBENT LISTING; AUTHORIZED INDIVIDUALS

Southern Company Risk Advisory & Controls Committee

Title
CFO & CRO, Southern Company
CFO, APC
CFO, GPC
CFO, Gulf Power Company
CFO, MPC
CFO, Operations
CFO, SPC
CFO, VP & Treasurer Southern Communications
VP Comptroller & Treasurer, SNC
Comptroller, CAO, & SVP, SCS
EVP Finance & Treasurer, SCS
VP & Associate General Counsel, SCS
Internal Auditing Director – invited guest

5
6
7

Southern Company Generation Risk Oversight Committee

Title
Regulatory Affairs & Energy Policy Director, SCS
EVP of E&CS, SCG
Chief Production Officer, SCG
Legal Counsel, Balch & Bingham – invited guest
CFO, Operations
Enterprise Risk Management Director
Internal Auditing Director – invited guest

8
9
10

Southern Power Risk Oversight Committee

Title
CFO, SPC
President, SPC
Chief Commercial Officer, SPC
Senior Production Officer, SPC
Compliance & Corporate Affairs Director, SPC

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APPENDIX I
INCUMBENT LISTING; AUTHORIZED INDIVIDUALS

Southern Company Generation Energy Credit Committee

Title
Assistant Treasurer, SCS
VP, Fuel Services
VP, Fleet Operations & Trading, SCG
Enterprise Risk Management Director

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APPENDIX I
INCUMBENT LISTING; AUTHORIZED INDIVIDUALS (continued)

Authorized Individuals

Title	Name	Approved Commodities								
		Electricity		Natural Gas			Coal	Oil	Allowances	RECs
		Energy	Trans	Gas	Trans- port	Storage				
Southern Company Generation										
Energy Term Trading Mgr.	David Hansen	X	X	(2)			(2)	(2)	(2)	(2)
Term Trader	Tim Taylor	X	X	(2)						
Term Trader	Kyo Kelly	X	X	(2)						
Term Trader	Frank Harris	X	X	(2)			(2)	(2)	(2)	(2)
Term Trader	Rodrick Ingram	X	X	(2)			(2)	(2)	(2)	(2)
Trading Operations Mgr.	Daryl McGee	(1)	(1)							
Hourly Trading Mgr.	Steve Lowe	X	X							
Energy Coordinator	Bill Brown	X	X							
Energy Coordinator	Blair Ellington	X	X							
Energy Coordinator	Shannon Gunnells	X	X							
Energy Coordinator	Brian Calhoun	X	X							
Energy Coordinator	Jacob Key	X	X							
Energy Coordinator	Larry Savage	X	X							
Energy Coordinator	Michael Turberville	X	X							
Scheduler	Matt Bauman	(1)	X							
Scheduler	Bobby Brown	(1)	X							
Scheduler	Dana Booze	(1)	X							
Scheduler	Brian Elliott	(1)	X							
Scheduler	Brian Calhoun	(1)	X							
Scheduler	Stacey Pruitt	(1)	X							
Scheduler	Michael Roper	(1)	X							
Scheduler	Stacey Smith	(1)	X							
Scheduler	Robby Wentz	(1)	X							
Trading Analyst	Susan Olive	(1)	(1)							
Trading Analyst	Martha Russell	(1)	(1)							
Team Leader	Stephen Stepkoski	(1)	(1)							
Team Leader	Christopher Strong	(1)	(1)							

5
6

- 7 **Notes:**
8 (1) Authority to make changes to transactions including entering transactions related to loss adjustments
9 and full-partial requirements customers.
10 (2) Authority to direct a transaction.

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APPENDIX I
INCUMBENT LISTING; AUTHORIZED INDIVIDUALS (continued)
Authorized Individuals

Title	Name	Approved Commodities								
		Electricity		Natural Gas			Coal	Oil	Allowances	RECs
		Energy	Trans.	Gas	Trans-port	Storage				
SCS Fuel Services										
Gas Services, Director	Carl Haga			X	X	X		X		
Gas Operations Mgr.	Roy Hiller			X	X	X				
NG Buyer - Physical	John Benefield			X	X	X				
NG Buyer - Physical	Karen Gandy			X	X	X		X		
NG Buyer - Physical	Carol Thomasson			X	X	X				
NG Buyer - Physical	Vicki Gaston			X	X	X				
NG Buyer - Financial	Vicki Gaston			X	X	X				
Gas Trading Mgr.	Bronson Kilgore			X				X		
NG Buyer - Financial	Tonya Gary			X	X	X		X		
NG Buyer - Physical	Joshua Hutto			X				X		
NG Buyer - Financial	Joshua Hutto			X				X		
NG Scheduler	Tisha Dale				X	X				
NG Scheduler	Russ Hall				X	X				
NG Scheduler	Shelanda Augustus			X	X	X				
NG Scheduler	David Sokira				X	X				
NG Scheduler	Billie Williams				X	X				
Coal & Transport Procure Manager	Tony Reed						X			
Emissions Trader	Vacant								X	X
Emissions Trading Mgr	Vallery Brown								X	X
Emissions Trader	Richard Taylor								X	X

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Title	Name	Approved Commodities								
		Electricity		Natural Gas			Coal	Oil	Allowance	RECs
		Energy	Trans.	Gas	Trans-port	Storage				
Southern Power Company										
Manager - Trading & Asset Management	Joe Styslinger	X		(2)				(2)	(2)	(2)
Asset Management	Tracy Ellis			(2)						
Asset Management	Vacant			(2)						
Asset Management	Ty Story			(2)			(2)	(2)	(2)	(2)
Project Manager	Kenneth Willis	X		(2)			(2)	(2)	(2)	(2)
Term Trader	Scott Morales	X		(2)			(2)	(2)	(2)	(2)
Term Trader	John Spratley	X		(2)			(2)	(2)	(2)	(2)
Asset Manager	Bryan Mitchell			(2)	(2)	(2)				

5 **Notes:**

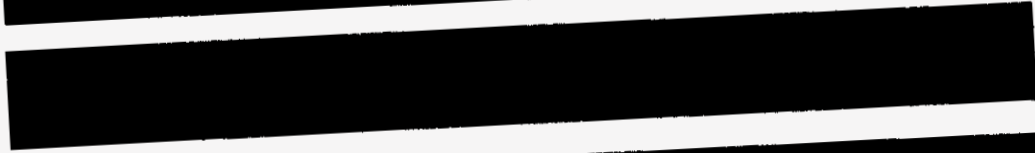
6 (1) Authority to make changes to transactions including entering transactions related to loss adjustments

7 and full/partial requirements customers.

I (2) Authority to direct a transaction.

APPENDIX J
ACCOUNTING AND TAX

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APPENDIX K
EMPLOYEE ACKNOWLEDGMENT

I have been provided a copy of the Southern Company Energy Trading Risk Management Policy (RMP) and have had an opportunity to read and familiarize myself with its contents and understand the requirements that apply to my position.

I understand that the officers and Board of Directors of SCS place a very high priority on each employee adhering to the requirements, policies, and procedures described in the RMP and on the accurate tracking and reporting of levels and types of risks as described in the RMP.

I agree to comply with the policies, requirements, and procedures of the RMP as all or portions of the RMP apply to my position. I do not have any questions regarding or need to clarify any matters contained in the RMP. I understand that failure to comply with the RMP or associated or related policies can result in disciplinary actions up to and including termination of employment.

Printed Name

Signature

Date: _____, 200_

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APPENDIX L DEFINITIONS

Allowances	An authorization to emit chemical pollutants, including but not limited to sulfur dioxide, nitrous oxide, or green house gases. These are usually traded in over-the-counter markets via brokers with one allowance permitting the emission of one ton of the pollutant.
Approved Business Objectives	Those business objective defined in Appendix A which have been approved.
Approved Commodity Authorities	Those commodities listed in Appendix B which have been approved. All applicable limitations imposed on SCG RMP trading activities, and shall include, but not necessarily be limited to, authorized trading limits, daily loss exposure limits, maximum approved value at risk, income limits, and term limits.
Authorized Individuals	Employees whose position may involve: (1) the authority (or appearance of authority) to directly bind the Company to agreements with third parties; and/or (2) the authority (or appearance of authority), acting through its various brokers and other representatives, to the Company to exchange-traded futures and option contracts.
Approved Risk Management Instruments	Those instruments listed in Appendix C which have been approved.
Authorized Trading Limit	The levels set out in Appendix H. Such levels are expressed in dollars that establish boundaries for maximum value at risk due to changes in market prices.
Credit Policy	Southern Company Energy Trading Credit Risk Management Policy
Daily Portfolio Value	The net present value on a mark-to-market basis of yet to be performed transactions from all approved portfolios.
Financial Instruments	Futures, forwards, options, swaps, and other derivative or financial risk management transactions entered into to hedge price risks.
Forwards	An agreement to buy or sell a quantity of a product, at an agreed price, on a given date, with a specific counterparty. Forwards are typically trading in the over-the-counter (OTC) markets.
Futures	An agreement to buy or sell a quantity of a product, at an agreed price, on a given date, traded on an exchange, and cleared by a clearinghouse.
Hedging Strategy	A trading strategy intended to reduce risk.
Illiquid Market	A market characterized by wide bid/offer spreads, lack of transparency, and large movements in price after any sizable deal.

Mark to Market (MTM)	The value of a financial instrument, or risk book of such instruments, at current market rates, or prices of the underlying commodity.
Market Positions	Positions taken that are readily liquidated at a readily observable and transparent price.
Net Open Position	The sum of all open positions for the approved commodities on an equivalent basis.
Open Position	The difference between long positions and short positions in any given risk book.
Option	An instrument which provides the holder the right, but not the obligation, to sell to (or buy from) the option seller the underlying commodity at a specified price and time.
Originator	The lead individual responsible for negotiating the transaction with the counterparty.
P&L	Profit and loss
Premises	Southern Company Generation business office located in Birmingham, Alabama.
Products	Financial instruments and related transactions for approved commodities as dictated by usage.
Risk Book	The official record in which details of all transactions are maintained for valuing, monitoring, managing, and reporting said risk.
RMP	Risk Management Policy
Separation Protocol	The separation of SPC functions from the Southern Operating Companies (Alabama Power Company, Georgia Power Company, Gulf Power Company, and Mississippi Power Company) including information sharing and a separation of personnel in order to comply with a Federal Energy Regulatory Commission (FERC) Order.
SCS	Southern Company Services, Inc.
SPC	Southern Power Company
Swaps	An agreement to exchange net future cash flows.
Structured Transaction	Any negotiated transaction not readily traded in the market and the price of which is not easily validated.
Transactions	Futures, forwards, options, swaps, or other instruments conducted over-the-counter or via organized exchanges including long- and short-term agreements involving approved commodities or financial instruments.

Value at Risk (VaR) The expected loss that will be incurred on the portfolio with a given level of confidence over a specified holding period, based on the distribution of price changes over a given historical observation period. (This is not an estimate of worst possible loss.)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: **Fuel and Purchased Power Cost**)
Recovery Clause with Generating)
Performance Incentive Factor)

Docket No.: **120001-EI**

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the foregoing was furnished by U.S. mail this 31st day of July, 2012 on the following:

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