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August 4, 2015

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

RE: Docket No. 150001-EI

Dear Ms. Stauffer:

Attached for official filing in the above-referenced docket is Gulf Power Company's Risk Management Plan dated August 4, 2015.

Sincerely,

Robert L. McGee, Jr.

Regulatory and Pricing Manager

Robert J. M. Jag.

md

Attachments

cc: Beggs & Lane

Jeffrey A. Stone, Esq.

GULF POWER COMPANY

For Fuel Procurement Docket No. 150001-EI

Date of Filing: August 4, 2015



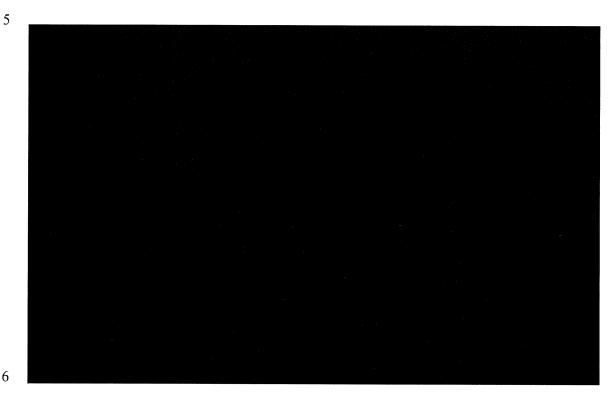
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1	GULF POWER	
2	COAL PROCUREMENT STRATEGY FOR 2016	
3		
4	Coal Procurement Plan	
5	Based on burn forecast from the June update to the 2015 Energy Budget, the	
6	Gulf Power Company program has an estimated uncommitted coal supply	
7	need of tons in 2016. Coal burn remains depressed as a result of low	
8	natural gas pricing and decreased loads. Our procurement plan below is	
9	based on the following assumptions:	
10		
11	Plant Crist	
12	Short Term: Its current marginal fuel selection consists of a	
13		
14	Long term: Current plan is to continue to utilize the	
15		
16	Plant Crist is forecasted to have a capacity factor of less than	
17	through 2019. An evaluation of the timing of when Crist units will be	
18	generating electricity provides insight into how coal deliveries should be	
19	procured. We forecast Crist to have at least one unit on line a majority	
20	of the time.	
21		
22	Plant Smith	
23	The coal fired units at Plant Smith will be retired in April 2016. It is anticipated	
24	that there will be no additional new coal supply needs at Plant Smith for 2016	
25	and the existing coal inventory will be consumed by the retirement date.	

State of the Program:

- 2 The relationship between burn projections, current commitment levels,
- 3 commitment targets per the coal procurement strategy, and corresponding
- 4 future needs are detailed in the following chart:



Spot Coal Plan:

Quarterly system-wide bituminous and sub-bituminous solicitations will be issued to address short term coal supply needs that may develop. With the uncertainty of burn that still exists today and with many coal units being displaced by natural gas generation, this quarterly process provides flexibility to better manage burn volatility. Gulf will purchase spot coal under these quarterly solicitations as the need arises.

1	Long-term Coal Plan:
2	The Gulf program has of its coal supply needs committed in 2016, and
3	has no coal supply commitments in 2017-2019. A system-wide long-term
4	bituminous solicitation will be issued late 2015 and/or early 2016 and Gulf will
5	evaluate the need for long-term purchases for delivery in 2016. The
6	purchases made will adhere to the percentage commitment guidelines set
7	forth in the Coal Procurement Strategy.
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GULF POWER 1 **COAL TRANSPORTATION STRATEGY FOR 2016** 2 3 **Transportation Program Overview** 4 5 6 Crist and Smith receive both import and domestic coal by barge. 7 Western coals can be transported by the Burlington Northern Santa Fe 8 Railway (BNSF) or Union Pacific Railroad (UP) to multiple terminals on the 9 Ohio and Mississippi rivers or via interchanges with the Canadian National 10 Railway (CN), Norfolk Southern (NS) or CSX Transportation Inc. (CSXT) to 11 the Alabama State Docks facility in Mobile, AL. 12 Illinois Basin or Central Appalachian coal can be transported directly by barge 13 or by a combination of rail and barge to these plants as well. These coals can 14 be transported to the Alabama State Docks facility via interchanges with the 15 Canadian National Railway (CN), CSX Transportation Inc. (CSXT), Alabama and Gulf Coast Railway (AGR), and Norfolk Southern (NS) railroads. At this 16 17 point the coal is transferred to barges and transported to the plants. 18 Import coal is delivered by ocean vessel to the Alabama State Docks where it is transferred to barges and transported to the plants. 19 20 21 Plant Daniel Daniel is served by the Mississippi Export Railroad (MSE) that interchanges 22 23 with the CSXT and the CN. Daniel accesses Powder River Basin (PRB) and 24 Colorado coal sources via multiple rail interchanges with the MSE from the BNSF, UP and CN railroads. 25

- Daniel can also take advantage of import coals, when economical, through
- the Alabama State Docks. Import coal is transported by ocean vessel to the
- 3 Alabama State Docks facility where it is transferred to railcars for shipment to
- 4 the plant by the CN and MSE Railroads. Daniel can also receive Central
- 5 Appalachian coal via the CSXT and MSE. Another potential source of Central
- 6 Appalachian coal is via the NS railroad through an interchange agreement
- 7 with the CN railroad.

9 <u>Coal Transportation Procurement Strategy</u>

- 10 A transportation strategy must address reliability, competitive prices, flexibility
- in volume commitments and the ability to adjust coal movements to changing
- 12 coal supply sources. The following information addresses these areas and
- identifies tactical plans to manage them.

14

15

Plant Crist

- 16 CN Agreement CN-517554-AB provides for rail transportation of Illinois Basin
- coal to the Alabama State Docks through December 31, 2015. The tactical
- plan is to extend this agreement prior to its expiration date. Discussions with
- the railroad regarding this agreement have begun with the goal to maintain a
- 20 no minimum volume requirement.
- 21 Marquette agreement (SC09005-T) provides primary barge transportation of
- coal from the Alabama State Docks to Crist and Smith. Marguette agreement
- 23 (SC09006-T) provides a supply of barges to move coal to Crist and Smith.
- The Marquette agreements have been extended through December 31, 2016.
- 25 Under these agreements, Gulf charters approximately 29 barges from
- Marguette. The agreement with Marguette also includes towboat services to

- support transport of coal to the plants. Four towboats are used to transport
- 2 coal by barge to Crist and Smith. There are no minimum annual volumes
- 3 included in the agreements.
- 4 With Smith scheduled for retirement in April 2016, the tactical plan for the
- 5 Marquette agreements is to maintain the agreements through 2016 at
- 6 reduced levels in order to match reduced levels of coal shipments in 2015 and
- 7 2016. The Marquette agreements provide a very stable and flexible supply of
- 8 towboats and barges that have logistical control by Southern Company
- 9 Generation Fuel Services for Gulf.

11

Plant Daniel

- 12 UP agreement UP-55720 provides for rail transportation of Colorado coal to
- 13 Memphis in conjunction with CN-526887-AA for final delivery to Daniel
- through December 31, 2015. The tactical plan is to let this agreement expire
- unless additional Western coal is required for blending in 2016.
- 16 BNSF agreement BNSF-12777 provides for rail transportation of PRB coal to
- 17 Memphis, TN where BNSF interchanges with CN to deliver the PRB coal to
- Daniel. The BNSF agreement expires December 31, 2015. The tactical plan is
- 19 to submit the movement for competitive bid during the third quarter of 2015 to
- cover shipments in 2016.
- 21 CN/MSE agreement CN-526887-AA provides for rail transportation of PRB
- 22 and Colorado coal from Memphis, TN to Daniel. The CN/MSE agreement
- expires December 31, 2015. The tactical plan is to extend this agreement only
- 24 for PRB coal unless additional Western coal is needed for blending in 2016. A
- 25 new CN/MSE agreement will be required on a short term basis beginning in
- the third quarter of 2015 for emissions control testing at Daniel. Pending the

- outcome of these tests, the spot agreement will either be extended or re-
- 2 negotiated. Discussions with the railroad regarding these agreements are
- 3 underway with the goal to maintain a no minimum volume requirement.

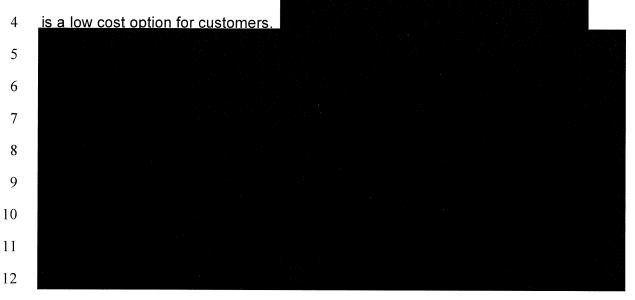
Gulf Power 2016 Natural Gas Procurement Strategy

2	
3	Gas Program Overview
4	Natural Gas is used for primary fuel at the Smith 3 combined cycle unit, boiler lighter
5	fuel at Crist Units 4-7, and for generation secured under purchased power
6	agreements beginning in 2009. Prior to 2002, natural gas represented a relatively
7	small portion of Gulf's overall fuel budget. With the addition of the Smith 3
8	combined-cycle unit in 2002, natural gas became a more significant portion of Gulf's
9	overall fuel budget.
10	Gulf Power's natural gas procurement strategy is to purchase a cost effective yet
11	highly reliable fuel supply to support the operation of its generating facilities.
12	Securing competitive fuel prices for its customers and minimizing both price and
13	supply risk are the governing considerations in developing Gulf's fuel procurement
14	strategy.
15	
16	Projected Natural Gas Purchases
17	Southern Company Services (SCS) as agent for Gulf purchases natural gas to be
18	delivered to Plant Crist for lighter purposes on the coal fired units and to Plant Smith
19	as primary fuel for Unit 3 which is a combined cycle generating unit. SCS will also
20	purchase natural gas to serve as primary fuel for the Shell (Central Alabama)
21	purchased power agreement. Gulf has contracted for storage capacity at Bay Gas
22	Storage near Mobile, AL, Leaf River Energy Center near Richton, MS, and at
23	Southern Pines Energy Center near Hattiesburg, MS and will purchase natural gas
24	to maintain targeted quantities of gas in storage during the year.

Procurement Strategy

2 Gulf's strategy for gas procurement is to purchase the commodity using long term

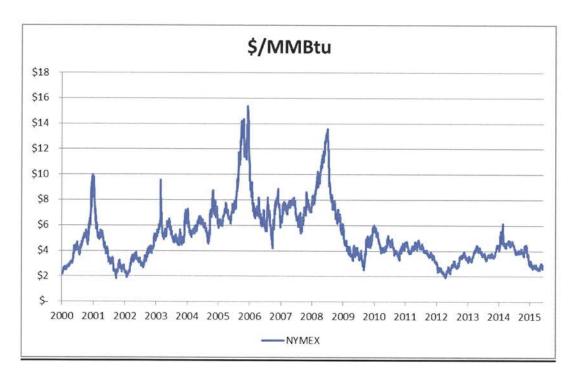
3 and spot agreements at market prices. Fuel purchased at market over a long period



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.

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

Historical Natural Gas Prices - NYMEX



Pricing Strategy

Gulf Power will continue to purchase gas, both under long-term and spot contracts at market based prices. However, pursuant to Commission order, Gulf Power will 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 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 protection against short-term price swings while still allowing the customers to 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

Period	Lower Target Hedge %	Upper Target Hedge %
Prompt Year (2016)		
Year 2 (2017)	•	
Year 3 (2018)		
Year 4 (2019)		
Year 5 (2020)		

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

schedule:

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 units being 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.

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

22 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". Gulf will utilize fixed priced swaps as its primary financial gas price hedging instrument but may also utilize options when appropriate.

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 percent of the projected fuel burn for the upcoming year. In maximum of addition, Gulf Power will limit option priced hedges to 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 months into the future.

Gulf Power's 2016 Oil Procurement Strategy

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Oil Program Overview

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

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Procurement Strategy

- 12 Gulf's strategy for oil procurement is to purchase the commodity at market
- prices. Fuel purchased at-market over a long period is a low cost option for
- 14 customers.
- 15 Gulf purchases fuel oil on an annual basis through a formal bidding process.
- As part of this bidding process, Gulf negotiates predetermined contracts to set
- 17 the index based market price for the commodity and delivery adders for fuel
- oil delivery to each plant. As inventories are depleted during the year, Gulf
- will purchase additional fuel oil quantities based on the negotiated contract for
- the plant.

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Pricing Strategy

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

Gulf Power Company Risk Management Policy

2

I. Introduction

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

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II. Objectives

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- 12 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.

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III. Guidelines

- 22 The risk management guidelines of The Southern Company require any
- 23 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.
- 26 The Southern Company Derivatives Policy states:

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

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

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

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

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

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

IV. Process

Certain officers of the Company were given authority to enter into hedging transactions that they consider necessary in order to reduce risk associated

- with procuring fuel and energy. The authorized officers are Vice President,
- 2 Chief Financial Officer and Comptroller for Gulf Power Company or his
- 3 designee.
- 4 Once authorization has been received, Southern Company Services Fuel
- 5 Services, agent for Gulf Power Company, will conduct all hedging
- 6 transactions in accordance with the Southern Company Generation Risk
- 7 Management Policy.
- 8 It is the responsibility of SCGen Risk Control (the mid-office) to inform the
- 9 Fuel Manager for Gulf Power Company or the Regulatory Accounting
- 10 Manager for Gulf Power Company about the use of hedging transactions
- 11 associated with Gulf generation resources and to provide open position
- values (mark to market) to the above noted individuals and the Gulf Chief
- 13 Financial Officer and Comptroller.

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Southern Company Energy Trading Risk Management Policy

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11	Packarous

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III. Business Objectives

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IX. Market Risk Limits

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- I. Incumbent Listing; Authorized Individuals
- J. Accounting and Tax
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- L. Definitions

I. Purpose

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This Southern Company Energy Trading Risk Management Policy ("RMP") applies to energy related trading, hedging, and procurement activities, performed by Authorized Individuals, as defined in Appendix D of this RMP, and the associated risk management activities as defined within this RMP. The purpose of this RMP is to:

- Provide collective limits and preset quidelines for each employee authorized to legally bind Southern Company Services and the related Operating Companies (collectively, the "Company") to transactions covered by this RMP:
- Establish sound guidelines to follow in managing and controlling risks; and
- Define the responsibilities for managing, monitoring, and reporting risks.

13 14 15

Notwithstanding anything to the contrary contained in this RMP, compliance with all legal and regulatory requirements, pronouncements, orders, etc. is required.

16 17

II. Background

18 19 In August 1997, the Southern Company Risk Oversight Committee ("SROC") 20 approved a set of risk management guidelines. Also, at various times during 2000 through 2002, the boards of directors for Southern Company, the Operating 21 22 Companies (Alabama Power Company, Georgia Power Company, Gulf Power 23 Company, and Mississippi Power Company), and Southern Power Company 24 ("SPC") adopted the Southern Company Policy on the Use of Derivatives 25 ("Derivatives Policy"). The Derivatives Policy was updated and approved by the 26 various boards in 2012.

27 During 2006, the risk oversight and governance framework for Southern Company 28 continued to evolve to further refine the oversight structure and to reflect organizational changes since the original SROC approved risk management 29 guidelines in August 1997. As part of this evolution, the SROC was reconstituted, 30 31 and a Generation Risk Oversight Committee was formed. These groups, along with 32 the Risk Advisory and Controls Committee, replaced the Energy Risk Management 33 Board and assumed its responsibilities.

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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 separate SPC risk monitoring. The Generation Risk Oversight Committee continues to monitor the consolidated energy trading risks, including SPC positions.

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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, credit policies, notification requirements, and proper documentation and reporting.

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.





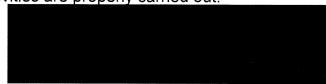
Various contract types or financial instruments will be used to achieve the Approved Business Objectives. The Approved Risk Management Instruments are listed in Appendix C. SCS Risk Control must be consulted before the execution of any Approved Risk Management Instruments that have not been previously used, including combinations of instruments not 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

The following functions are separated to ensure that the risk management activities are properly carried out:



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, Structuring, and Execution: The functions of origination, structuring, and execution include the following responsibilities: Confirmation, Monitoring, Reporting and Disclosure: The functions of trade confirmation, risk monitoring, risk reporting, and disclosure include the following responsibilities:

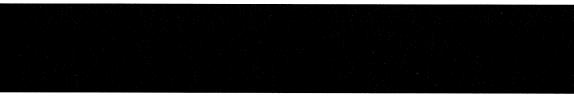
Onsiplifices:

<u>Settlement:</u> The function of settlement includes the following responsibilities:

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 sub-ledgers to the general ledger.

VII. Market Risk Identification



VIII. Market Risk Measurement and Valuation

IX. Market Risk Limits **Exposure Limits Notifications** Volumetric Position Limits X. Credit Risk

xposure Limits The maximum exposure limit for each business

objective should not exceed the limits specified in

Appendix H.

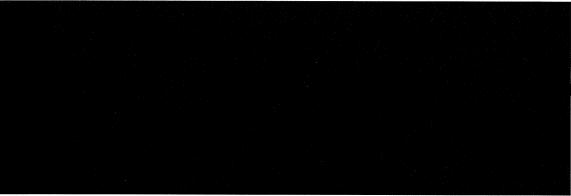
Certain notifications to management are required

as defined in Appendix G.

Volumetric Position limits as defined by the

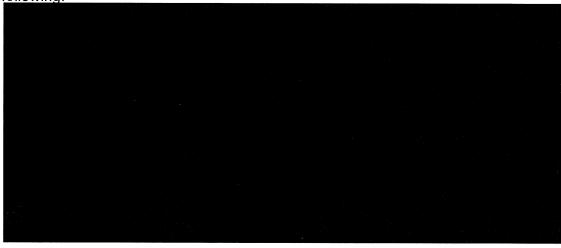
Commodity Futures Trading Commission (CFTC), will be monitored and reported as necessary.

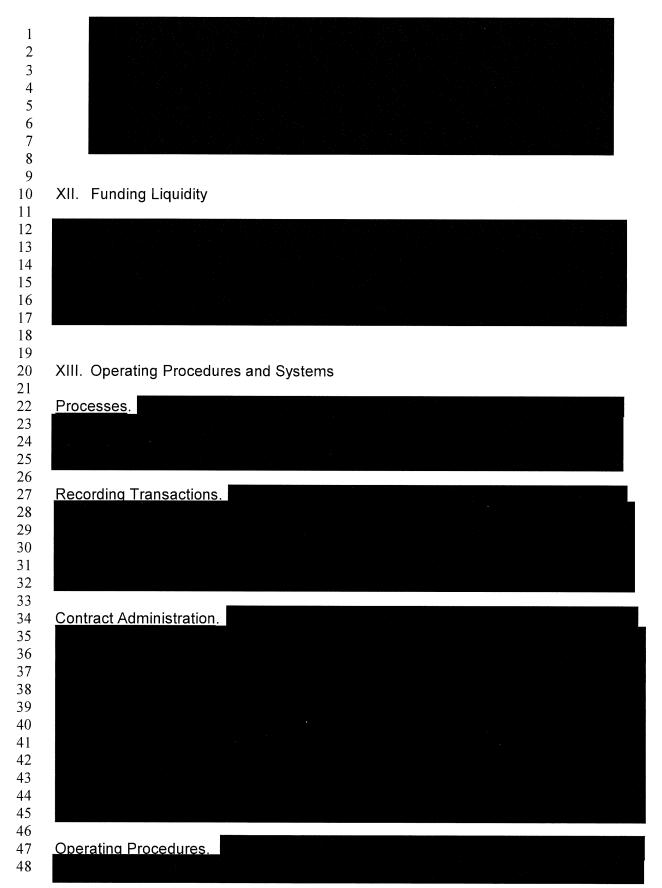
according to CFTC rules.

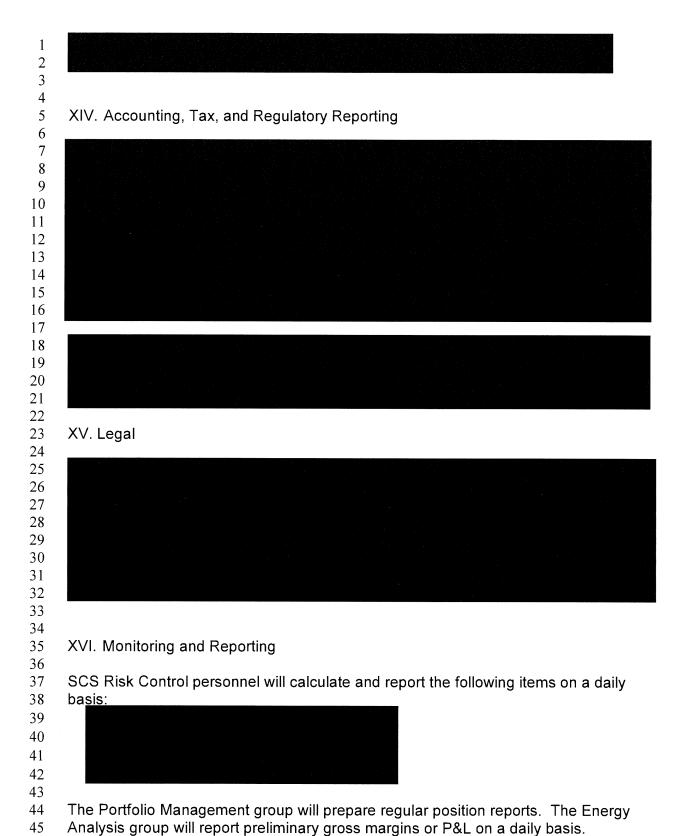


XI. New Products

Structured transactions and new products may be developed from time to time that contain new risks or require new infrastructure support. The responsibilities associated with the approval of each structured transaction and new product include the following:







XVII. Personal Trading All employees whose activities are governed by this RMP as defined in Section XIX are prohibited from trading any approved commodity for their own account or for the benefit of any party except as specifically authorized as part of the individual's duties with the Company.



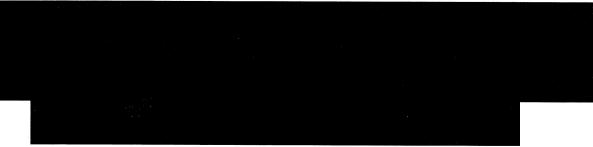


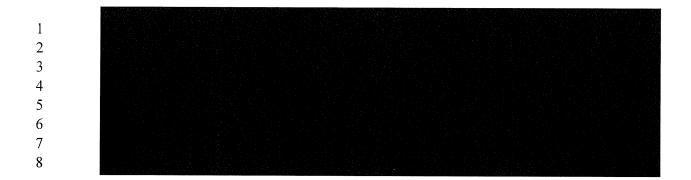


XX. Independent Review



XXII. Policy Amendments





APPENDIX A APPROVED BUSINESS OBJECTIVES Fleet Operations and Trading The primary objectives of Fleet Operations and Trading are to: In addition to the primary objectives, Fleet Operations and Trading may execute secondary activities as limited by Appendix H to achieve the following secondary objectives to the extent permitted by all applicable policies and regulations: Any Primary or Secondary Strategies that would require clearing and / or posting of margin must be approved by the Risk Advisory and Controls Committee prior to execution. Southern Power Company Trading & Asset Management The primary objectives of the SPC Trading and Asset Management activities are the following: In addition to the primary objectives, SPC Trading & Asset Management may execute secondary activities as limited by Appendix H to achieve the following secondary objectives to the extent permitted by all applicable policies and regulations (including, but not limited to the IIC and Separation Protocol):

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

Any SPC Primary or Secondary Strategies that would require clearing and / or posting of margin must be approved by the SPC Chief Financial Officer and the SPC Chief Commercial Officer.

Natural Gas Fulfillment Function

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

Secondary activities of the natural gas fulfillment function are restricted to positions

 Environmental Products Management Function

intended to hedge secondary power positions, and which have been requested by Fleet Operations and Trading or SPC Trading & Asset Management.

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

Secondary activities of the Environmental Products Management 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.

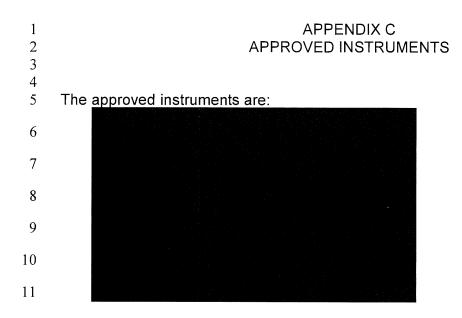
Coal Fulfillment Function

The primary objectives of the Coal Fulfillment Function are to:

The primary objectives of the Coal Fulfillment Function are to:

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 2 3 4 APPROVED COMMODITIES The approved commodities for this RMP are:



APPENDIX D AUTHORIZATIONS

Name	Authority
Southern Company Risk Oversight Committee (SROC)	
Generation Risk Oversight Committee (GROC)	
Southern Power Risk Oversight Committee (SPROC)	
Risk Advisory and Controls Committee (RACC)	
Southern Company Generation Energy Credit Committee (ECC)	
Manager, Risk Control	

APPENDIX D AUTHORIZATIONS (continued) Energy Marketing

Name	Authority		
Vice President,			
Commercial			
Operations & Services			
Vice President, Chief			
Commercial Officer,			
SPC			
Sr. Vice President,			
Chief Financial			
Officer, SPC			
,			
Vice President, Fleet			
Operations and			
Trading			

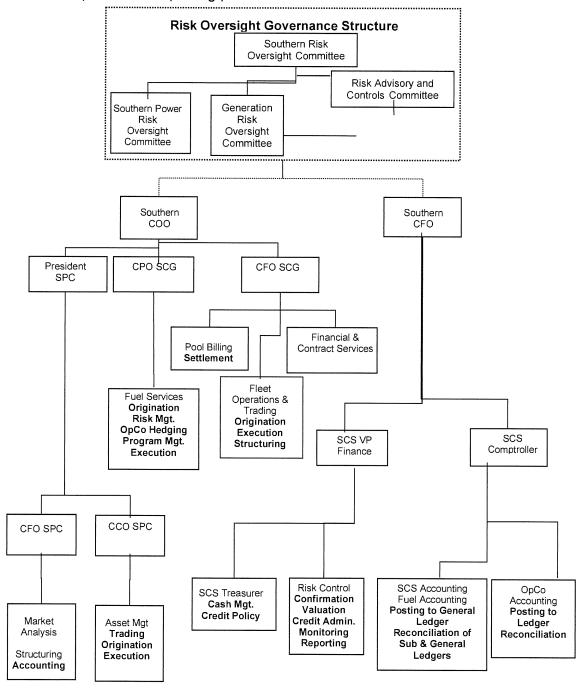
Energy Trading	
Manager	
Manager, SPC	
Trading and Asset	
Management	
Management	
Term Traders	
Energy Coordinators	
-	
Transmission Project	
Coordinators and	
Energy Schedulers	

APPENDIX D AUTHORIZATIONS (continued) SCS Fuel Services

Name	Authority
Vice President,	
Fuel Services	
Cas Cas is a Discotor	
Gas Services Director	
Cas Operations	
Gas Operations Manager	
Wallager	
Cae Trading Manager	
Gas Trading Manager	
Natural Gas Trader -	
Physical	
Natural Gas Trader -	
Financial	
Natural Gas	
Schedulers	
Coal Services Director	
Jean Convided Billottol	

<u>APPENDIX E</u> 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.



APPENDIX F MARKET RISK MEASUREMENT

Approved Commodities	
Electrical Power	
Natural Gas	
Coal	
Environmental Products	
Oil Products	
RECs	

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	ΔΡ	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

Equation

VaR = PSN * Δ P * Square Root of HP * CI

Parameters/Commodity	Holding Period (HP)	Multiplier (CI)	
Electric Power Term <= 1 Year Term > 1 Year			
Natural Gas Term <= 1 Year Term > 1 Year			

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)xdx 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)xdx 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.

Price Return Distribution	
Holding Period	
Extreme Event Threshold	

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.

Position Classification	Income Change	Notify
Secondary Objectives		
0		
Secondary Objectives		
Secondary Objectives		

Position Classification	Income Change	Notify
All positions with mark-to-market changes immediately reflected in income (both primary and secondary activities)		
All positions with mark-to-market changes immediately reflected in income (both primary and secondary activities)		

Position Classification	Value-at-Risk	Notify
All positions, except hedges associated with a commission approved program which provides for its own limits and/or cost recovery		

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.

Position Classification	Income Change	Notify
SPC Secondary Objectives		
SPC Secondary Objectives		
SPC Secondary Objectives		

Position Classification	Income Change	Notify					
All SPC positions with mark-to-market changes immediately reflected in income							
All SPC positions with mark-to-market changes immediately reflected in income							

Position Classification	Value-at-Risk	Notify						
All SPC positions								

APPENDIX H MARKET RISK LIMITS

Net Open Position Limits

	Value –at- Risk Limit
Secondary Activities	
All positions with marked-to-market changes immediately reflected in income	

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

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

APPENDIX I INCUMBENT LISTING; AUTHORIZED INDIVIDUALS

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 & CEO, Southern Nuclear
EVP, Southern Company & President External Affairs
EVP, General Counsel, and Corporate Secretary, Southern Company
EVP, Finance & Treasurer – invited guest

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
Chief Audit Executive – invited guest

APPENDIX I INCUMBENT LISTING; AUTHORIZED INDIVIDUALS

Southern Company Generation Risk Oversight Committee

Title
Compliance Officer & VP, SCS
EVP of E&CS, SCG
Chief Production Officer, SCG
Legal Counsel, Balch & Bingham – invited guest
CFO, Operations
Enterprise Risk Management Director
Internal Audit Representative – invited guest

Southern Power Risk Oversight Committee

Title
CFO, SPC
President, SPC
Chief Commercial Officer, SPC
Senior Production Officer, SPC
External & Regulatory Affairs VP, SPC

Southern Company Generation Energy Credit Committee

Title	
Assistant Treasurer, SCS	
VP, Fuel Services	
VP, Commercial Operations & Services	
Enterprise Risk Management Director	
Energy Trading Manager – invited guest	

APPENDIX I INCUMBENT LISTING; AUTHORIZED INDIVIDUALS (continued)

Authorized Individuals

	T T T T T T T T T T T T T T T T T T T	T	uionzec							
		Approved Commodities								
		Electricity		Natural Gas						
]			
	Application / Role				Trans-				Allow-	
Title	(3)	Energy	Trans.	Gas	port	Storage	Coal	Oil	ances	RECs
Southern Comp	any Generation									•
Energy Term Trading Mgr.	SCS GemTrader / Trader	Х	Х	(2)			(2)	(2)	(2)	(2)
Term Trader	SCS GemTrader / Trader	Х	Х	(2)			(2)	(2)	(2)	(2)
Trading Operations & Technical Svcs. Mgr.	SCS GemTrader/Public	(1)	(1)							
Hourly Trading Mgr.	SCS GemTrader / NextHour	Х	Х							
Energy Coordinator	SCS GemTrader / NextHour	Х	Х							
Scheduling Supervisor – Day Ahead	SCS GemTrader / Trader	Х	Х	(2)			(2)	(2)	(2)	(2)
Scheduling Supervisor – Hourly	SCS GemTrader / Trader	Х	Х	(2)			(2)	(2)	(2)	(2)
Scheduler	SCS GemTrader / Scheduler	(1)	Х							
Trading Analyst	SCS GemTrader / TraderAnalyst	(1)	(1)							

Notes:

- (1) Authority to make changes to transactions including entering transactions related to loss adjustments and full/partial requirements customers.
- (2) Authority to direct a transaction.
- (3) A complete list of approved individuals is located in the following Cool Compliance entities: SCS GemTrader, Trader, Deal Entry; Attaché; Attaché Emissions; Attaché Financials & Trading. Choose the appropriate role to see a complete list of authorized individuals.

APPENDIX I INCUMBENT LISTING; AUTHORIZED INDIVIDUALS (continued)

Authorized Individuals

			11011200			d Canana	al:4: = =			
		Approved Commo					aities			I
		Elect	tricity		Natural (Gas				
Title	Application / Role (3)	Energy	Trans.	Gas	Trans- port	Storage	Coal	Oil	Allow- ances	RECs
SCS Fuel Serv	/ices									
Gas Services,										
Director	Attache / Guest			X	Х	X		Х		
Gas Operations	Attache / Front									
Mgr.	Office			X	Х	X				
NG Buyer -										XXX 9 111 X 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Physical	Attache / Marketer			X	Х	Х				
	Attache Financials									
Financial	& Trading / Fuel									
Trading Mgr.	Trader			X				Х		
	Attache Financials									
NG Buyer -	& Trading / Fuel									
Financial	Trader			Х				Χ		
	Attache / Front									
NG Scheduler	Office				Χ	Х				
Coal &										
Transport										
Procure	ComTrac / Fuel									
Manager	Procurement						Х			
Emissions	Attache Emissions									
Trading Mgr.	/ Emissions Trader								Х	Х
Emissions	Attache Emissions									
Trader	/ Emissions Trader								X	X

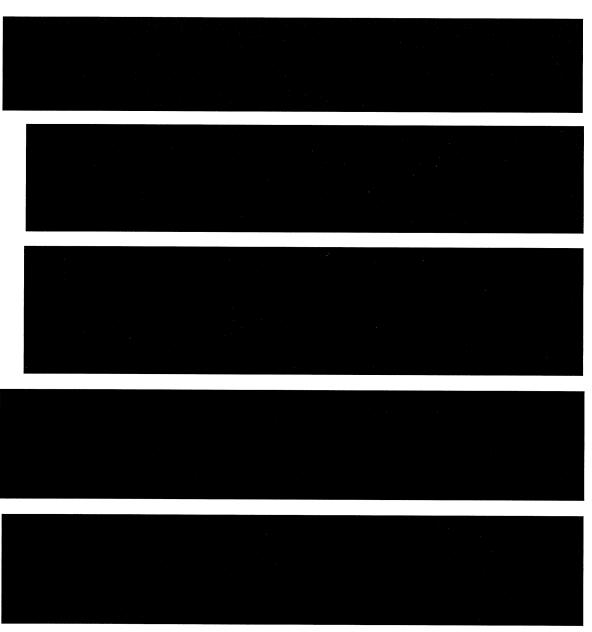
		Approved Commodities								
		Elec	tricity		Natural (3as				
T '	Application / Role				Trans-				Allow-	
Title	(3)	Energy	Trans.	Gas	port	Storage	Coal	Oil	ance	RECs
Southern Pow	er Company									
Manager -										
Trading & Asset	SPC GemTrader /									
Management	Trader	X	(2)	(2)			(2)	(2)	(2)	(2)
Asset	SPC GemTrader /									
Management	Public			(2)						(2)
Term Trading	SPC GemTrader /									
Manager	Trader	X	Х	(2)			(2)	(2)	(2)	(2)
	SPC GemTrader /									
Term Trader	Trader	Х	Х	(2)			(2)	(2)	(2)	(2)
	SPC GemTrader /									
Asset Manager	Public			(2)	(2)	(2)				

Notes:

- (1) Authority to make changes to transactions including entering transactions related to loss adjustments and full/partial requirements customers.
- (2) Authority to direct a transaction.
- (3) A complete list of approved individuals is located in one of the following Cool Compliance entities: SCS GemTrader, Trader, Deal Entry; Attaché; Attaché Emissions; Attaché Financials & Trading. Choose the appropriate role to see a complete list of authorized individuals.

APPENDIX J ACCOUNTING AND TAX

FASB Accounting Standards Codification ("ASC") 815 Derivatives and Hedging, ASC 820 Fair Value Measurements and related GAAP standards are the primary pronouncements addressing hedge accounting and provides guidance for exchange-traded contracts.



1 2 3	APPENDIX K EMPLOYEE ACKNOWLEDGMENT
4	I have been provided a copy of the Southern Company Energy Trading Risk
5	Management Policy (RMP) and have had an opportunity to read and familiarize
6	myself with its contents and understand the requirements that apply to my position.
7	
8	I understand that the officers and Board of Directors of SCS place a very high
9	priority on each employee adhering to the requirements, policies, and procedures
10	described in the RMP and on the accurate tracking and reporting of levels and types
11	of risks as described in the RMP.
12	
13 14 15 16 17	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.
19 20 21 22	Printed Name
23	Signature
24 25 26	Date:, 20
27 28	Note, as an alternative to acquiring and maintaining a physical signature, employees will acknowledge the policy through Cool Compliance effective August 2012.

APPENDIX L DEFINITIONS

Allowances An authorization to emit chemical pollutants, including but

not limited to sulfur dioxide, nitrous oxide, or greenhouse 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 objectives defined in Appendix A which

have been approved.

Approved Commodity

Those commodities listed in Appendix B which have

been approved.

Authorities 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.

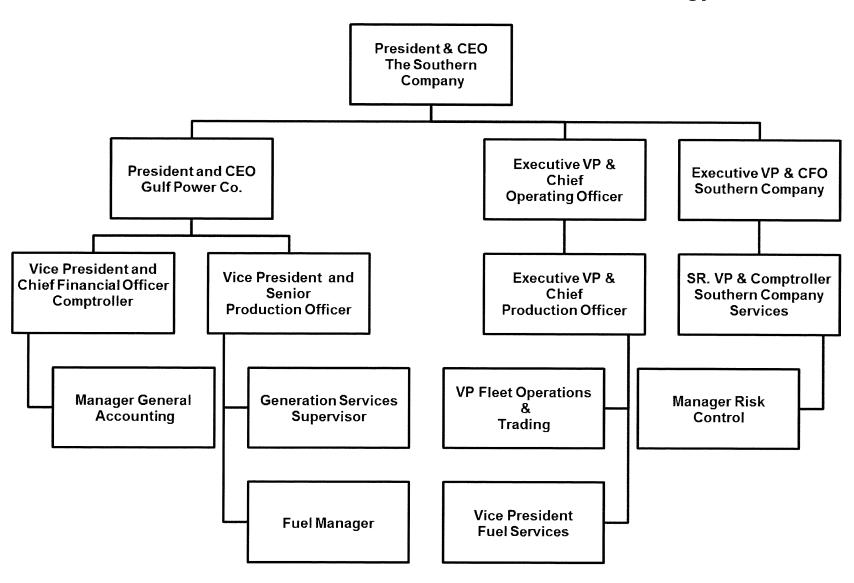
Value at Risk (VaR) The expected loss that will be incurred on the portfolio

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.)

Risk Management for Fuel and Wholesale Energy



BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: Fuel and Purchased Power Cost)	
Recovery Clause with Generating)	
Performance Incentive Factor)	Docket No.: 150001-EI

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the foregoing was furnished by electronic mail this 4th day of August, 2015 to the following:

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