

# COST OF FUEL UTILIZATION BID SOLICITATION 2010 Polk Blend Fuel

**REDACTED**

Select Base Year 2010

## DELIVERED PRICING

Fuel Supplier	Mine	Coal Type	DOCK NAME*	FOB						TOTAL DELIV'D \$/Ton	TOTAL DELIV'D \$/MMBtu
				DOCK	RAIL	RIVER	Ocean Vessel?	ECT	GULF		
Drummond	Interocean Sales	Columbian	0.00								
Coaltrade	West Elk or 20 m	Colorado	Cook Coal Terminal								
Oxbow Mining	Elk Creek	Colorado	Gora Coal terminal								
Blue Creek	Blue Creek	Alabama	FAS Mobile								
CMC	Cerrejon	Columbian	CIF Big Bend 09,10								
Glencore	Calenturias	Columbian	FOB CIF blend 09,10								
Coalsales	Air Quality	Indiana	FOB Evansville								
Coalsales	Air Quality	Indiana	FOB Railcar								
2.3 CMC (Dm)	Cerrejon	Columbian	FOB Columbia								
2.3 Glencore	Calenturias	Columbian	FOB Columbia								

- 1 El Desconso coal ash fusion temperature below minimum spec per John McDaniel. Requested from Drummond availability of Pribbenow. Dennis Stuel confirmed that it is not available for this tender. (e-mail attached)
- 2 Request best and final - FOB Columbia
- 3 Indicitive Ocean freight pricing provided by ssy.

Index pricing for Intercocean offer - Pricing based Sept 1 for Q4 2009 delivery

API2 -	\$68.65/mt (CIF ARA)	\$62.28 /st
BC17 -	\$15.00/mt (Bolivar - Rotterdam)	\$13.61 /st
		\$48.67 FOB Columbia

COM \_\_\_  
 XPA \_\_\_  
 ECR I  
 GCL \_\_\_  
 RAD \_\_\_  
 SSC \_\_\_  
 ADM \_\_\_  
 OPC \_\_\_  
 CLK \_\_\_

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DOCUMENT NUMBER: DATE  
 2044 MAR 22 09  
 FPSC-COMMISSION CLERK

TAMPA ELECTRIC COMPANY  
 DOCKET NO. 100001-EI  
 STAFF'S FIRST REQUEST FOR PODS  
 FILED: MARCH 22, 2010



Exhibit 2

Gen-2010-01 Best and Final Request

Supplier		Tons	Btu	Sulfur %	\$ ton	Ocean	Truck	Total	Delivered \$ mmbtu				
CMC	2009	40,000	11000	0.89	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	\$ [REDACTED]				
	2010	160,000	11000	0.89					\$ [REDACTED]				
	<b>Weighed average pricing</b>		<b>200,000</b>							\$ [REDACTED]			
Glencore	2009	37,500	11300	0.80					[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	\$ [REDACTED]
	2010	187,500	11300	0.80									\$ [REDACTED]
	<b>Weighed average pricing</b>		<b>225,000</b>										

Transportation  
 Trucking \$4.63 Big Bend to Polk  
 CMC Ocean Transportation \$13.61 Puerto Bolivar, Columbia to Big Bend  
 \*Glencore's Ocean transportation \$14.11 Puerto Prodeco, Columbia to Big Bend

\* Puerto Prodeco has a \$0.50 pentality due to slower load times.

Glencore sulfur guarantee 0.80 %  
 CMC sulfur guarantee a 0.89 %

REDACTED

Exhibit 3

CMC vs Glencore with Petcoke  
Blend Analysis 2010

CMC Product

Coal price	[REDACTED]	11,000	Btu/lb	
River		10.00	% Ash	
Terminal		13.50	% moisture	
Gulf		0.90	% Sulfur	
Trucking				
Rail surcharge				
		\$ 3.59		

Petcoke price	[REDACTED]	14,000	Btu/lb	
River		0.67	% Ash	
Terminal		8.00	% moisture	
Gulf		4.82	% Sulfur	
Trucking				
		\$ 2.47		

Fuel blend calculator (% sulfur known)

Fuel type	\$/mmbtu	% blend	Heating value	% Ash	% moisture	% sulfur	% sulfur dry	Btu/mmbtu sulfur
CMC Product	\$ 3.59	0.2	11,000	10.00	13.50	0.9	1.0	1.55
Petcoke	\$ 2.47	0.8	14,000	0.67	8.00	4.8	5.2	6.54
<b>Blend</b>	<b>\$2.69</b>	<b>1.00</b>	<b>13400</b>	<b>2.54</b>	<b>9.1</b>	<b>4.0</b>	<b>4.4</b>	<b>5.72</b>

2010 Polk 1 btu budget

	Tons	Btu/lb	\$ ton	Cost of fuel
Tons and cost of CMC	142,935	11,000	\$ 78.95	\$ 11,284,682
Tons and cost of Petcoke	449,223	14,000	\$ 69.05	\$ 31,018,838
Tons of blend	596,672	13,400		\$ 42,303,521

Blend Analysis 2010

Glencore Product

Coal price	[REDACTED]	11,300	Btu/lb	
River		8.00	% Ash	
Terminal		13.50	% moisture	
Gulf		0.80	% Sulfur	
Trucking				
Rail surcharge				
		\$ 3.63		

Petcoke price	[REDACTED]	14,000	Btu/lb	
River		0.67	% Ash	
Terminal		8.00	% moisture	
Gulf		4.82	% Sulfur	
Trucking				
		\$ 2.47		

Fuel blend calculator (% sulfur known)

Fuel type	\$/mmbtu	% blend	Heating value	% Ash	% moisture	% sulfur	% sulfur dry	Btu/mmbtu sulfur
Glencore Product	\$ 3.63	0.19	11,300	8.00	13.50	0.8	0.9	1.35
Petcoke	\$ 2.47	0.81	14,000	0.67	8.00	4.8	5.2	6.54
<b>Blend</b>	<b>\$2.69</b>	<b>1.00</b>	<b>13,487</b>	<b>2.08</b>	<b>9.0</b>	<b>4.1</b>	<b>4.4</b>	<b>5.71</b>

2010 Polk 1 btu budget

	Tons	Btu/lb	\$ ton	Cost of fuel
Tons and cost of Glencore	132,183	11,300	\$ 82.11	\$ 10,853,532
Tons and cost of Petcoke	454,838	14,000	\$ 69.05	\$ 31,406,574
Tons of blend	587,021	13,487		\$ 42,260,106

\$ (43,414.56) Cost differential between CMC and Glencore

Petcoke price based on 2010 Petcoke solicitation



**PAGES**

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**PAGES**

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IOR

IFERC SING  
IFERC Sp. Natural La.  
  
Index Sonat Tier 1  
Index Sonat Tier 1

4/1/09	10/31/09	FGT Zone 3	Destin
11/1/09	3/31/10	FGT Zone 3	Destin
4/1/09	10/31/09	SONAT	Tier 1 Pod
4/1/09	10/31/09	SONAT	Meier #85-1370
4/1/09	10/31/09	FGT Zone 3	Z3 Pod
4/1/09	3/1/11	SONAT Zone 0	Pod
4/1/09	10/31/09	FGT Zone 3	Z3 Pod
11/1/09	3/31/10	FGT Zone 3	Sonat Pod
4/1/10	10/31/10	FGT Zone 3	Z3 Pod
4/1/09	10/31/10	SONAT	Sonat Pod
4/1/09	3/31/11	FGT Zone 1	Eunic, Egan, Telco
4/1/09	3/31/11	FGT Zone 2	Columbia Gulf Lafayette
11/1/09	3/31/11	FGT Zone 2	TGP - Carnes
4/1/09	3/31/11	FGT Zone 2	Vermilion
4/1/09	3/31/11	FGT Zone 2	Vermilion
4/1/09	3/31/11	FGT Zone 3	MobilBay

BP Energy Co.  
BP Energy Co.  
BP Energy Co.  
Chevron  
Coburn  
Macquarie  
Macquarie  
ConocoPhillips  
Macquarie  
Macquarie  
Macquarie  
Macquarie  
Macquarie  
NJR  
NJR  
Onok  
Onok  
Williams

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TAMPA ELECTRIC COMPANY  
DOCKET NO. 100001-EI  
STAFF'S FIRST REQUEST FOR PODS  
FILED: MARCH 22, 2010

Daily Call

Notice by 8:15am EST  
Notice by 8:15am EST  
Notice by 8:15am EST  
Notice by 8:15am EST

Notice by 8:15am EST  
Notice by 8:15am EST  
Notice by 8:15am EST  
Notice by 8:15am EST  
IFERC So. Natural La.  
IFERC So. Natural La.  
SNG, La

Index Midpoint Southern Nar  
Index Midpoint Southern Nar  
Index Midpoint Southern Nar

includes so, Phc, mobay, dr

includes so, Pine  
Notify by 8am EST on day p  
Notify by 8am EST on day p  
Notify by 8am EST on day p

Almos Energy	4/1/09	3/31/11 FGT Zone 1	Egan, CGT, GS, St
Cherwon	4/1/09	10/31/09 SONAT	Lantry, & bobba/ (Oct
Cherwon	11/1/09	10/31/09 FGT Zone 2	2009) or pool 1 or 2
Cherwon	11/1/09	10/31/09 FGT Zone 3	Tier 1 Pool
Cherwon	4/1/10	3/31/10 SONAT	Z3 Pool
Cherwon	4/1/10	3/31/10 FGT Zone 3	Tier 1 Pool
Cherwon	11/1/10	10/1/10 SONAT	Z3 Pool
Cherwon	11/1/10	10/1/10 FGT Zone 3	Tier 1 Pool
Cherwon	4/1/09	3/31/11 FGT Zone 3	Z3 Pool
Cherwon	11/1/09	10/31/09 FGT Zone 3	Z3 Pool
Cherwon	4/1/10	3/31/10 FGT Zone 3	Z3 Pool
Cherwon	11/1/10	10/31/10 FGT Zone 3	Z3 Pool
Colinas	4/1/09	3/31/11 FGT Zone 3	Z3 Pool
ConocoPhillips	4/1/10	10/31/09 SONAT	Meiser #65-1370
McQuay	4/1/09	10/1/10 SONAT	Meiser #65-1370
McQuay	4/1/09	3/31/11 SONAT Zone 0	Pool
McQuay	4/1/09	10/31/09 FGT Zone 3	Z3 Pool
Macquain	11/1/09	10/31/09 FGT Zone 3	Sernal Pool
Macquain	4/1/10	3/31/10 SONAT	Z3 Pool
Macquain	4/1/10	10/31/10 FGT Zone 3	Sernal Pool
Macquain	4/1/10	10/31/10 SONAT	Sernal Pool
Onok	4/1/09	3/31/11 FGT Zone 3	Z3 Pool
Onok	4/1/09	3/31/11 FGT Zone 3	Z3 Pool
Tensika	4/1/09	3/31/11 FGT Zone 3	GulfSouth St. Lantry
Tensika	4/1/09	3/31/11 FGT Zone 3	Z3 Pool
Williams	4/1/09	3/31/11 FGT Zone 3	McKeeBay

Structured

BP Energy Co.	4/1/08	1031/09 SESH	Centerpoint	Floor of \$2.95
BP Energy Co.	4/1/08	1031/09 FGT Zone 3	Desh	Floor of \$2.95
BP Energy Co.	4/1/08	1031/09 FGT Zone 3	Desh	Floor of \$2.95
BP Energy Co.	11/1/08	321/10 FGT Zone 3	Desh	Floor of \$2.95
BP Energy Co.	4/1/10	1031/10 FGT Zone 3	Desh	Floor of \$2.95
BP Energy Co.	11/1/08	1031/10 FGT Zone 3	Desh	Floor of \$2.95
BP Energy Co.	11/1/08	321/10 SESH	Centerpoint	Floor of \$2.95
BP Energy Co.	4/1/10	1031/10 SESH	Centerpoint	Floor of \$2.95
BP Energy Co.	4/1/08	321/11 SESH	Centerpoint	Floor of \$3.90
Shell	4/1/08	321/11 FGT/Shellteam	Tajel, Calhoun SESH Overhead	Floor of \$2.95
Teraviva	4/1/08	321/01 FGT Zone 3	FTG/Gulfstream	Release Sesh Capacity to Shell - option payment \$400,000/yr
HPM	4/1/08	1031/09 FGT Zone 2	ANK St. Landry	Release Sesh Capacity to Telexela - option payment \$210,000/yr
HPM	11/1/08	1031/10 FGT Zone 2	Columbia Gulf Lufkin	or Nymex: 11 wt floor \$3.75
HPM	11/1/08	321/10 FGT Zone 2	Columbia Gulf Lufkin	or Nymex: 10 wt floor \$3.75
				or Nymex: 15 wt floor \$4.50



Awards

11/09	33110	FGT Zone 2	Vermilion
4/109	103109	FGT Zone 2	Vermilion
4/109	103109	FGT Zone 3	Z3 Pool
5/109	93009	FGT Zone 3	Mobile Bay via Gulf South
4/109	103109	FGT/OS	Mobile Bay
4/109	103109	FGT Zone 1	Jehanson
4/109	103109	FGT Zone 2	Columbus Gulf Lafayette
4/109	103109	FGT Zone 3	Destin
11/09	33110	FGT Zone 2	Columbia Gulf Lafayette
11/09	33110	FGT Zone 3	Destin
11/09	33110	FGT Zone 2	ANR St. Landry
11/09	33110	FGT Zone 3	Z3 Pool
11/10	33111	Serial	Logansport
4/109	43010	FGT Zone 3	MiddleBay
4/109	33111	FGT Zone 3	MiddleBay
4/109	33111	FGT Zone 3	MiddleBay
6/109	93009	FGT Zone 3	Mobile Bay via Gulf South
4/109	103110	SESH CP	CP SESH 83001
4/109	103109	FGT Zone 1	Trunkline Manchester
5/109	103109	FGT Zone 3	So Pines
4/109	103109	FGT Zone 3	GulfSouth St. Helena
4/109	103109	FGT Zone 2	ANR St. Landry
4/109	103109	FGT Zone 3	Z3 Pool
4/109	33111	FGT Zone 2	Napoleonville

Notify by 8am EST on day prior to flow

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Gen-2008 #2 Fuel Oil

Evaluation GEN-2009 #2 Fuel Oil LSD, ULSD

Analysis based on transportation and adder costs, does not include commodity costs.  
Commodity costs for contract will be index based "Platts Daily Oilgram Price Report, US Gulf Coast Spot LS No. 2 oil"

	terms	Platts	FOB Terminal	Trans & adder	Delivered Price
2007-2008 Transmontaigne					
Polk	0.0000		0.0000	0.1188	0.1188
Big Bend	0.0000		0.0000	0.1045	0.1045
Phillips	0.0000		0.0000	0.1351	0.1351

\* 2007-08 contract adder included in the cost of transportation

Change from 2007-08 contract	\$	% change
0.01053		8.9%
0.01092		10.4%
0.00700		5.2%
0.00386		3.2%
0.01092		10.4%
0.01125		8.3%

	Platts	FOB Terminal	Trans w/fuel	Transportation Fuel surcharge	trans w/o fuel	Delivered Price
2009 Transmontaigne offer						
Low Sulfur (Port Manatee)						
Polk						
Big Bend						
Phillips						
Pasco Co Generation						
Ultra Low Sulfur (Port Tampa)						
Polk						
Big Bend						
Phillips						
Pasco Co Generation						

January 2009 fuel surcharge 15%

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Exhibit 1B

2010 Petroleum Coke Solicitation  
Bid Solicitation Polk 2010-PC

Vendor	Pricing Mechanism	Tons	Refinery	Delivery location	BTU's	% Sulfur (As Received)	HGI	\$ / ton FOB	\$ / ton delivered	\$/mmbtu's delivered
Valero	[REDACTED]	320,000	Valero Refinery, St Charles, LA	FOB Barge, St Charles, LA	14,000	5.25%	-50	[REDACTED]	[REDACTED]	[REDACTED]
Koch	[REDACTED]	200,000	TBD	FOB Barge, Davant, LA	14,000	5.50%	45	[REDACTED]	[REDACTED]	[REDACTED]
TCP	[REDACTED]	82,500	CITGO Refinery, Lemont, IL	FOB Barge, Lemont, IL	14,000	7.00%	+50	[REDACTED]	[REDACTED]	[REDACTED]
Oxbow	[REDACTED]	80,000	Frontier Refinery, El Dorado, KS	FOB Barge, Cahokia, IL	14,000	5.25%	30-40	[REDACTED]	[REDACTED]	[REDACTED]

Prices and tons are shown as net tons  
Results:  
Extend current Valero index based agreement  
Purchase 6 months spot coke from TCP

80 / 20 Analysis 2008

**Glencore Calenturtias**

Coal price [REDACTED] 11,300 Btu/lb  
 River [REDACTED] 8.00 % Ash  
 Terminal [REDACTED] 13.50 % moisture  
 Gulf [REDACTED] 0.80 % Sulfur  
 Trucking [REDACTED]  
 Rail surcharge [REDACTED]

\$ 82.11 \$ 3.63

**Valero Coke**

PC price [REDACTED] 14,000 Btu/lb  
 River [REDACTED] 0.67 % Ash  
 Terminal [REDACTED] 8.00 % moisture  
 Gulf [REDACTED] 4.82 % Sulfur  
 Trucking [REDACTED]

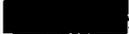
\$ 66.41 \$ 2.37

**Fuel blend calculator (% sulfur known)**

Fuel type	\$/mmbtu	Tons or %	Heating value	% Ash	% moisture	% sulfur	% sulfur dry	lb/mmbtu sulfur
Glencore Calenturtias	[REDACTED]	20	11,300	8.00	13.50	0.80	0.92	1.3451
Valero Coke	[REDACTED]	80	14,000	0.67	8.00	4.82	5.24	6.5414
<b>Blend</b>	[REDACTED]	100	13460	2.14	9.1	4.016	4.38	5.669

REDACTED

Valero

Extend current agreement - Index based				
	Tons	Dollars	Sulfur	HGI
Valero Valero Refinery, St Charles, LA	320,000 s/tons		5.3% AR	-50
		Dollars		
Index pricing 50% Argus and 50% Pace FOB Barge, St Charles, LA	Btus 14,000			
	River terminal Gulf Trucking		 \$/mmbtu	
		\$69.05	 \$/mmbtu	
			\$2.47 \$/mmbtu	

REDACTED

Koch Offer

Fixed Price				
	Tons (M)	Dollars	Sulfur	HGI
Koch	200,000		5.50%	45
FOB Barge, Davant, LA				
	s/ ton			
	River			
	terminal			
	Gulf			
	Trucking			
Btus	14,000	\$83.55	\$2.98 c/mmbtu	

Fixed Price				
	Tons (M)	Dollars	Sulfur	HGI
Koch	0		5.25%	35
	s/ ton			
	River			
	terminal			
	Gulf			
	Trucking			
Btus	14,000	\$0.00	\$0.00 c/mmbtu	

REDACTED

TCP Offer

TCP				
	Tons (M)	Dollars	Sulfur	HGI
Fixed pricing for 1st half 2010	82,500			
FOB Barge, Lemont, IL			7.0%	50
CITGO Refinery, Lemont, IL				
CITGO Refinery, Lemont, IL				
Btus	14,000			
Type B				
	Tons (M)	Dollars	Sulfur	HGI
	0			
s/ ton			7.0%	+50
River terminal				
Gulf Trucking				
Pace adder				
Btus	14,000			
Type C				
	Tons (M)	Dollars	Sulfur	HGI
	0			
s/ ton			6.0%	+50
River terminal				
Trucking				
Gulf				
Pace adder				
Btus	14,000			

REDACTED

Oxbow Offer

Fixed price 2010 Oxbow Frontier Refinery, Et Dorado, KS FOB Barge, Cahokia, IL	Tons (\$)	Dollars	Sulfur	HGI
	80,000	rateable over 2010		
		[REDACTED] s/ ton	5.25%	30-40
		River terminal Gulf Trucking		
Btus	14,000	[REDACTED]	[REDACTED]	

	100000	[REDACTED] s/tonn	5.25%	35-45
		River terminal Gulf Trucking		
Btus	14,000	[REDACTED]	[REDACTED]	

	100000	[REDACTED] s/tonn	5.25%	35-45
		River terminal Gulf Trucking		
Btus	14,000	[REDACTED]	[REDACTED]	