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Tampa Electric Company

Quantification of Impact of Adjustments

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Comparison of Rates

1.	Dibner Proposed Rate	\$ 17.90
2.	Snavelly King Recommended Rate	<u>12.86</u>
3.	Difference	\$ 5.04

Impact of Adjustments

4.	River Backhaul	\$ 2.59
5.	Ocean Preference Trade Premium	1.69
6.	Ocean Backhaul	0.53
7.	Terminal Rate	<u>0.23</u>
8.	Total	\$ 5.04

Source by Row

1. Dibner Report, page 68 (rates proposed to TECO Transport, not adjusted for error found later).
2. Snavelly King Recommendation, see Exhibit (MJM-5).
3. Line 1 - Line 2
4. \$7.47 (Dibner rate) less \$4.88 (Snavelly King rate).
5. \$7.98 (Dibner rate) less \$6.29 (Dibner model adjusted for backhaul only).  
See Late Filed Deposition Exhibit (MJM-1), page 3.
6. \$6.29 (Dibner Model adjusted for backhaul only) less \$5.76 (Snavelly King rate).  
See Late Filed Deposition Exhibit (MJM-1), pages 3 and 5.
7. \$2.45 (Dibner rate) less \$2.22 (Snavelly King rate)
8. Line 4 + Line 5 + Line 6 + Line 7

*MJL 3-20-06*  
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DOCUMENT NUMBER-DATE  
06655 JUN 16 '06

*de clas 3-20-06*  
FLORIDA PUBLIC SERVICE COMMISSION  
DOCKET  
NO. 031033-EI EXHIBIT NO. 99  
COMPANY/  
WITNESS: Twomey  
DATE: 5/27-28/04 + 6/10/04

Tampa Electric Company Waterborne Coal Transportation

Calculation of Ocean Rate by Vessel  
Dibner Model with Backhaul Removed

ALL

	Vessel						
	Peggy Palmer	Gayle Eustace	Doris Guenther	Mary Turner	Diane Ludwig	Diana T.	Barbara Vaughn
Use Dibner Time Charter Rate? (default is no)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adjust for Back Haul?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Backhaul Ratio Based on Days (Trips) 1/	51.16%	88.24%	38.46%	92.42%	26.47%	96.83%	38.89%

User Input Section

Use Dibner Time Charter Rate? (default is no)  
 Adjust for Back Haul?  
 Backhaul Ratio Based on Days (Trips) 1/

Tons to Big Bend @ 33 feet ST - Actual Delivery

Calculation of Time Charter

	Peggy Palmer	Gayle Eustace	Doris Guenther	Mary Turner	Diane Ludwig	Diana T.	Barbara Vaughn
TC Cost Base	15,846	32,694	14,819	18,733	10,603	13,133	13,797
Preference TC	25,000	25,000	21,000	22,000	22,000	12,000	20,000
Average TC (Dibner)	20,423	28,847	17,910	20,367	16,302	12,567	16,899
TC Used	20,423	28,847	17,910	20,367	16,302	12,567	16,899

Big Bend Delivery Analysis

	Peggy Palmer	Gayle Eustace	Doris Guenther	Mary Turner	Diane Ludwig	Diana T.	Barbara Vaughn
<u>Time</u>							
Voyage Time at Sea 2/	4.32	1.96	3.39	2.74	4.86	2.79	5.07
Big Bend Unload in Free Days	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Load Rate as Above	1.12	1.07	1.00	1.00	1.00	1.00	1.00
Shifting Time at Big Bend	-	-	-	-	-	-	-
Channel Maneuvering/Docking/Undocking	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Delay @ 15% of Voyage Time at Sea 2/	0.65	0.29	0.51	0.41	0.73	0.42	0.76
Total Time	8.58	5.82	7.40	6.65	9.09	6.70	9.34

Voyage Rate Assessment

	Peggy Palmer	Gayle Eustace	Doris Guenther	Mary Turner	Diane Ludwig	Diana T.	Barbara Vaughn
Total Time Charter Expense	175,307	167,866	132,552	135,535	148,143	84,239	157,768
Fuel at Sea 2/	23,572	10,757	13,752	15,188	20,286	12,463	16,585
Tug Generating Fuel 2/	894	978	862	388	1,100	389	840
Barge Fuel 2/	435	238	381	283	487	284	491
Lube Oil 2/	1,179	538	687	780	1,013	623	829
Tug Assist at Davant	500	500	500	500	500	500	500
Tug Assist at Big Bend	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Misc. Port Expenses	3,770	3,669	2,545	4,280	2,300	2,750	1,920
Total Cost Per Voyage	206,657	185,547	152,279	157,934	174,809	102,248	179,933

Per Short Ton (Big Bend) \$ 6.13 \$ 5.80 \$ 7.08 \$ 5.64 \$ 7.95 \$ 6.39 \$ 9.73

1/ Percentage of round trips between LA and TPA that carried backhaul.  
 Based on Port of Tampa data.

2/ Adjusted for backhaul. Dibner amount less 1/2 backhaul percentage.

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Tampa Electric Company Waterborne Coal Transportation

Calculation of Average Ocean Rate  
Dibner Model with Backhaul Removed  
Includes Preference Trade Premium

Barge	Est Rate	Capacity (000 Tons)	Tons/Yr (000)	Cum Tons (000)	Cum. Cost (\$000)	Avg. Rate
Mary Turner	\$ 5.64	1,024	1,024	1,024	\$ 5,776	\$ 5.64
Gayle Eustace	\$ 5.80	1,447	1,447	2,471	\$ 14,166	\$ 5.73
Peggy Palmer	\$ 6.13	1,111	1,111	3,582	\$ 20,979	\$ 5.86
Diana T	\$ 6.39	560	560	4,142	\$ 24,558	\$ 5.93
Doris Guenther	\$ 7.08	877	877	5,019	\$ 30,769	\$ 6.13
Diane Ludwig	\$ 7.95	756	481	5,500	\$ 34,591	\$ 6.29
Barbara Vaught	\$ 9.73	585	0	5,500	\$ 34,591	\$ 6.29

Average Rate with Preference Trade Premium and Backhaul Based on Days \$ 6.29

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Tampa Electric Company Waterborne Coal Transportation

Calculation of Ocean Rate by Vessel  
 Dibner Model with Backhaul and Preference Trade Premium Removed

	Vessel						
	Peggy Palmer	Gayle Eustace	Doris Guenther	Mary Turner	Diane Ludwig	Diana T	Barbara Vaught
Use Dibner Time Charter Rate? (default is no)	No	No	No	No	No	No	No
Adjust for Back Haul?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Backhaul Ratio Based on Days (Trips) 1/	51.16%	88.24%	38.46%	92.42%	26.47%	96.83%	38.89%

User Input Section

Use Dibner Time Charter Rate? (default is no)  
 Adjust for Back Haul?  
 Backhaul Ratio Based on Days (Trips) 1/

Tons to Big Bend @ 33 feet ST - Actual Delivery

	33,700	32,000	21,500	28,000	22,000	15,000	18,500
<b>Calculation of Time Charter</b>							
TC Cost Base	15,848	32,694	14,819	18,733	10,603	13,133	13,797
Preference TC	25,000	25,000	21,000	22,000	22,000	12,000	20,000
Average TC (Dibner)	20,423	28,847	17,910	20,367	16,302	12,567	16,899
TC Used	15,848	32,694	14,819	18,733	10,603	13,133	13,797

Big Bend Delivery Analysis

	Time						
Voyage Time at Sea	4.32	1.96	3.39	2.74	4.86	2.79	5.07
Big Bend Unload in Free Days	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Load Rate as Above	1.12	1.07	1.00	1.00	1.00	1.00	1.00
Shifting Time at Big Bend	-	-	-	-	-	-	-
Channel Maneuvering/Docking/Undocking	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Delay @ 15% of Voyage Time at Sea	0.65	0.28	0.51	0.41	0.73	0.42	0.76
Total Time	8.58	5.82	7.40	6.65	9.09	6.70	8.34

Voyage Rate Assessment

Total Time Charter Expense 2/	136,019	190,252	109,678	124,664	96,357	88,036	128,812
Fuel at Sea	23,572	10,757	13,752	15,188	20,266	12,463	16,585
Tug Generating Fuel	894	978	862	388	1,100	389	840
Barge Fuel	435	238	381	283	487	284	491
Lube Oil	1,179	538	687	760	1,013	623	829
Tug Assist at Davant	500	500	500	500	500	500	500
Tug Assist at Big Bend	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Misc. Port Expenses	3,770	3,689	2,545	4,280	2,300	2,750	1,920
Total Cost Per Voyage	167,368	207,933	129,406	147,064	123,023	106,045	150,977

Per Short Ton (Big Bend) \$ 4.97 \$ 6.50 \$ 6.02 \$ 5.25 \$ 5.59 \$ 6.63 \$ 8.16

1/ Percentage of round trips between LA and TPA that carried backhaul.  
 Based on Port of Tampa data.

2/ Reflects Dibner calculated Time Charter rate without Preference Trade premium.

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