

ORIGINAL

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COMMISSION
CLERK

February 11, 2004

HAND DELIVERED

Ms. Blanca S. Bayo, Director
Division of Commission Clerk
and Administrative Services
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Review of Tampa Electric Company's waterborne transportation contract with
TECO Transport and associated benchmark; FPSC Docket No. 031033-EI

TRANSMITTAL OF CONFIDENTIAL INFORMATION

Dear Ms. Bayo:

Pursuant to a Request for Specified Confidential Treatment Tampa Electric is
simultaneously filing with your office, we enclose a single confidential version of nine pages of
output from Mr. Brent Dibner's computer models requested by Staff. The confidential information
contained in this filing is printed on yellow stock paper and stamped "CONFIDENTIAL." We
would appreciate your maintaining confidential treatment of the enclosed materials.

Please acknowledge receipt and filing of the above by stamping the duplicate copy of this
letter and returning same to this writer.

Thank you for your assistance in connection with this matter.

RECEIVED & FILED

Sincerely,

AS
FPSC-BUREAU OF RECORDS

James D. Beasley
James D. Beasley

MAR 11.26.05 (entire DN)

CONFIDENTIAL
DECLASSIFIED

JDB/pp
Enclosure

cc: Wm. Cochran Keating IV (w/o enc.)
Andrew Maurey (w/o enc.)
Bernie Windham (w/o enc.)

declass 11-26-05
DOCUMENT NUMBER-DATE

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FPSC-COMMISSION CLERK

INPUT

	Current Value	Revised Value
Cost per crew day		
ITB	350	350
Tug Barge	325	325

Operating Parameters		
Load rate (tons per hour)	1,250	1,250
Shifting Time at Big Bend (days)	0.0	-
Channel Maneuvering/Docking/Undocki	0.5	0.5
Delay as % of Voyage Time at Sea	15%	15%

Cost of Capital Calculation	Current Value				Revised Value			
	Pct of Capital	Return	Tax	Capital Cost (Wtd)	Pct of Capital	Return	Tax	Capital Cost (Wtd)
Equity	50%	18%	0%	9%	20%	18%	0%	4%
Debt	50%	8%	35%	3%	80%	8%	35%	4%
	100%			12%	100%			8%

Daily Operating Costs	Current Values						
	Peggy Palmer	Gayle Eustace	Doris Guenther	Mary Turner	Diane Ludwig	Diana T	Barbara Vaught
Tug/Ship Stores, Supplies, Lube Oil	288	320	288	320	256	256	256
Tug/Ship Machinery Overhaul	75	78	84	76	66	68	58
Tug Yard Accrual	638	737	617	418	538	558	737
Tug Voyage Repairs	222	228	185	228	171	182	133
Tug Insurance	472	744	588	589	422	423	384
Barge Op Stores and Supplies	224	218	151	254	137	163	114
Barge/Ship Yard Accrual - Hull	972	1,117	537	1,053	970	902	877
Barge Self-Unloading M&R Accrual	-	303	-	403	-	303	-
Barge Insurance	638	1,645	659	843	202	388	140
Barge/Ship Voyage Repairs	444	432	299	504	271	324	226
Management Cost	1,500	1,500	1,500	1,450	1,500	1,450	1,500

INPUT

	Current Value	Revised Value					
Revised Values							
Tug/Ship Stores, Supplies, Lube Oil	288	320	288	320	256	256	256
Tug/Ship Machinery Overhaul	76	76	84	76	66	66	58
Tug Yard Accrual	538	737	617	418	538	558	737
Tug Voyage Repairs	222	228	166	228	171	162	133
Tug Insurance	472	744	568	589	422	423	384
Barge Op Stores and Supplies	224	216	181	254	137	163	114
Barge/Ship Yard Accrual - Hull	972	1,117	537	1,053	970	902	877
Barge Self-Unloading M&R Accrual	-	303	-	403	-	303	-
Barge Insurance	636	1,646	659	643	202	388	140
Barge/Ship Voyage Repairs	444	432	299	504	271	324	226
Management Cost	1,500	1,500	1,500	1,450	1,500	1,450	1,500

OUTPUT

← To obtain the correct results, click the 'Order Barges' button to the left each time changes are made to input values!

Rate Build-Up and Composition

Barge	Eat Rate	Capacity (000 tons)	Tons/Yr (000)	Cum Tons (000)	Cum Cost (\$000)	Ave Rate	Rate to Ave
Peggy Palmer	7.33	1,111	1,111	1,111	8,137	7.33	0.49
Gayle Eustace	7.39	1,447	1,447	2,558	18,831	7.38	0.43
Doris Guenther	7.84	877	877	3,435	25,714	7.48	(0.02)
Mary Turner	7.88	1,024	1,024	4,459	33,781	7.58	(0.06)
D Ludwig	8.65	756	756	5,215	40,320	7.73	(0.83)
Diana T	9.42	560	285	5,500	43,005	7.82	(1.60)
Barbara Vaught	11.30	585	-	5,500	43,005	7.82	(3.48)

Composition Per Ton

	Fuel	Fixed	Variable	Total
Peggy Palmer	0.99	3.58	2.75	7.33
Gayle Eustace	0.67	3.98	2.74	7.39
Doris Guenther	0.86	3.64	3.34	7.84
Mary Turner	1.05	3.44	3.38	7.88
D Ludwig	1.14	4.06	3.44	8.65
Diana T	1.59	2.85	4.98	9.42
Barbara Vaught	1.20	5.71	4.39	11.30
Weighted Avg.	0.95	3.70	3.17	7.82
Component Share	12%	47%	41%	100%

Per Diem Rates

Bareboat Hire	TECO TC	Preference TC Rate	Average TC Rate
6,834	14,829	25,000	19,964
19,595	30,414	25,000	27,707
5,752	13,751	21,000	17,375
8,065	17,452	22,000	19,726
3,147	10,279	22,000	16,139
4,965	12,581	12,000	12,291
6,812	13,637	20,000	16,819

Vessel Value

Tug Value	Barge Value	Total Value
4,308,698	10,738,845	15,047,543
11,504,321	27,416,679	38,921,000
6,739,656	8,880,069	15,599,725
7,074,302	12,868,890	19,943,192
3,901,914	676,960	4,778,874
3,852,545	5,222,250	9,174,795
2,585,108	756,000	3,321,108

INPUT

	Current Value	Revised Value
Cost per crew day		
ITB	350	350
Tug Barge	325	325

Operating Parameters		
Load rate (tons per hour)	1,250	1,250
Shifting Time at Big Bend (days)	0.0	-
Channel Maneuvering/Docking/Undocki	0.5	0.5
Delay as % of Voyage Time at Sea	15%	15%

	Current Value				Revised Value			
	Pct of Capital	Return	Tax	Capital Cost (Wtd)	Pct of Capital	Return	Tax	Capital Cost (Wtd)
Equity	50%	18%	0%	9%	50%	18%	0%	9%
Debt	50%	8%	35%	3%	50%	8%	35%	3%
	100%			12%	100%			12%

	Daily Operating Costs						
	Peggy Palmer	Gayle Eustace	Doris Guenther	Mary Turner	Diane Ludwig	Diane T	Barbara Vaught
Current Values							
Tug/Ship Stores, Supplies, Lube Oil	288	320	288	320	256	256	256
Tug/Ship Machinery Overhaul	75	76	64	76	66	68	58
Tug Yard Accrual	538	737	617	418	538	558	737
Tug Voyage Repairs	222	228	185	228	171	182	133
Tug Insurance	472	744	588	589	422	423	384
Barge Op Stores and Supplies	224	218	151	254	137	183	114
Barge/Ship Yard Accrual - Hull	972	1,117	537	1,053	970	902	877
Barge Self-Unloading M&R Accrual	-	303	-	403	-	303	-
Barge Insurance	636	1,645	659	843	202	388	140
Barge/Ship Voyage Repairs	444	432	299	504	271	324	226
Management Cost	1,500	1,500	1,500	1,450	1,500	1,450	1,500

INPUT

	Current Value	Revised Value					
Revised Values							
Tug/Ship Stores, Supplies, Lube Oil	288	320	288	320	256	256	256
Tug/Ship Machinery Overhaul	75	76	64	76	66	66	58
Tug Yard Accrual	536	737	617	418	536	558	737
Tug Voyage Repairs	222	226	185	226	171	182	133
Tug Insurance	472	744	568	589	422	423	384
Barge Op Stores and Supplies	224	216	151	254	137	163	114
Barge/Ship Yard Accrual - Hull	972	1,117	537	1,053	970	902	877
Barge Self-Unloading M&R Accrual	-	303	-	403	-	303	-
Barge Insurance	636	1,645	659	843	202	386	140
Barge/Ship Voyage Repairs	444	432	296	504	271	324	226
Management Cost	1,500	1,500	1,500	1,450	1,500	1,450	1,500

OUTPUT

← To obtain the correct results, click the 'Order Barges' button to the left each time changes are made to input values!

Rate Build-Up and Composition

Barge	Est Rate	Dispatch (000 tons)	Tons/Yr (000)	Cum Tons (000)	Cum Cost (\$000)	Ave Rate	Rate to Ave
Peggy Palmer	7.47	1,111	1,111	1,111	8,293	7.47	0.54
Gayle Eustace	7.66	1,447	1,447	2,558	19,376	7.57	0.35
Doris Guenther	8.05	877	877	3,435	28,441	7.70	(0.04)
Mary Turner	8.09	1,024	1,024	4,459	34,727	7.79	(0.08)
D Ludwig	8.73	756	756	5,215	41,321	7.92	(0.72)
Diana T	9.58	560	285	5,500	44,053	8.01	(1.58)
Barbara Vaught	11.35	585	-	5,500	44,053	8.01	(3.34)

Composition Per Ton

	Fuel	Fixed	Variable	Total
Peggy Palmer	0.99	3.72	2.75	7.47
Gayle Eustace	0.67	4.25	2.74	7.66
Doris Guenther	0.86	3.85	3.34	8.05
Mary Turner	1.05	3.66	3.38	8.09
D Ludwig	1.14	4.14	3.44	8.73
Diana T	1.59	3.01	4.98	9.58
Barbara Vaught	1.20	5.75	4.39	11.35
Weighted Avg.	0.95	3.89	3.17	8.01
Component Share	12%	49%	40%	100%

Per Diem Rates

Bareboat Hire	TECO TC	Preference TC Rate	Average TC Rate
7,551	15,846	25,000	20,423
21,875	32,694	25,000	28,847
6,820	14,819	21,000	17,909
9,348	18,733	22,000	20,387
3,471	10,803	22,000	16,301
5,517	13,133	12,000	12,586
6,771	13,797	20,000	18,898

Vessel Value

Tug Value	Barge Value	Total Value
4,308,698	10,738,845	15,047,543
11,504,321	27,416,679	38,921,000
6,738,656	8,860,069	15,598,725
7,074,302	12,868,890	19,943,192
3,901,914	676,960	4,778,874
3,952,545	5,222,250	9,174,795
2,565,108	750,000	3,321,108

INPUT

	Current Value	Revised Value
<u>Low size (barges):</u>		
Ohio	15	15
Green	4	4
Tennessee	12	12
Middle Mississippi	20	20
Lower Mississippi	30	30
<u>Speed (miles per hour):</u>		
Ohio	6.1	6.1
Green	4.0	4.0
Tennessee	5.6	5.6
Middle Mississippi	6.3	6.3
Lower Mississippi	6.4	6.4
<u>Lock Delays</u>		
Change (%)	0	0
<u>Load and Discharge Time</u>		
Load (days)	4.0	4.0
Discharge (days)	3.5	3.5
<u>Towboat cost (\$/hour)</u>		
Ohio	\$ 220	\$ 220
Green	\$ 70	\$ 70
Tennessee	\$ 70	\$ 70
Middle Mississippi	\$ 292	\$ 292
Lower Mississippi	\$ 292	\$ 292

INPUT

	Current Value	Revised Value
Costs		
Barge hire (\$/day)	\$ 50	\$ 50
Fixed share of barge hire (%)	66%	66%
Fuel cost (\$/gallon)	\$ 0.70	\$ 0.70
Fuel tax (\$/gallon)	\$ 0.24	\$ 0.24
Shifting (\$/barge per shift)	\$ 100	\$ 100
Make or break tow (\$/barge)	\$ 60	\$ 60
Fleeting (\$/barge per day)	\$ 18	\$ 18
G&A expense (\$/loaded barge mile)	\$ 0.74	\$ 0.74

OUTPUT

	Mile Post	DMA Rate	Fixed	Variable	Fuel	Fixed %	Variable %	Fuel %
Cook	OR948	\$ 5.98	\$ 0.86	\$ 3.25	\$ 1.87	14%	54%	31%
Mound City	OR976	\$ 5.96	\$ 0.86	\$ 3.23	\$ 1.87	14%	54%	31%
Empire	OR896	\$ 6.65	\$ 0.93	\$ 3.64	\$ 2.09	14%	55%	31%
Rigsby & Barnard	OR881	\$ 6.69	\$ 0.93	\$ 3.67	\$ 2.10	14%	55%	31%
Caseyville	OR872	\$ 6.74	\$ 0.94	\$ 3.69	\$ 2.11	14%	55%	31%
DeKoven	OR869	\$ 6.75	\$ 0.94	\$ 3.70	\$ 2.11	14%	55%	31%
Shawneetown	OR858	\$ 6.81	\$ 0.94	\$ 3.74	\$ 2.13	14%	55%	31%
Huntington	OR850.4	\$ 6.90	\$ 0.97	\$ 3.79	\$ 2.14	14%	55%	31%
Hamilton	OR850.4	\$ 6.90	\$ 0.97	\$ 3.79	\$ 2.14	14%	55%	31%
Overland	OR842	\$ 6.97	\$ 0.98	\$ 3.83	\$ 2.16	14%	55%	31%
Mt. Vernon	OR828	\$ 7.04	\$ 0.99	\$ 3.87	\$ 2.18	14%	55%	31%
Southern Indiana	OR794	\$ 7.21	\$ 1.00	\$ 3.98	\$ 2.23	14%	55%	31%
Yankeetown	OR773	\$ 7.34	\$ 1.01	\$ 4.05	\$ 2.27	14%	55%	31%
Owensboro	OR750	\$ 7.45	\$ 1.02	\$ 4.12	\$ 2.30	14%	55%	31%
New Hope	OR734	\$ 7.53	\$ 1.03	\$ 4.17	\$ 2.33	14%	55%	31%
Jefferson River Port	OR618	\$ 8.13	\$ 1.09	\$ 4.54	\$ 2.50	13%	56%	31%
TTI	OR406	\$ 9.20	\$ 1.18	\$ 5.20	\$ 2.82	13%	57%	31%
Powhatan Point	OR110.8	\$10.65	\$ 1.32	\$ 6.09	\$ 3.24	12%	57%	30%
Green 11	GR 11	\$ 8.01	\$ 1.13	\$ 4.89	\$ 1.99	14%	61%	25%
Patriot	GR32	\$ 8.24	\$ 1.15	\$ 5.01	\$ 2.09	14%	61%	25%
Sebree	GR43.4	\$ 8.37	\$ 1.16	\$ 5.07	\$ 2.15	14%	61%	26%
Pyramid	GR94	\$ 8.95	\$ 1.20	\$ 5.35	\$ 2.39	13%	60%	27%
Ken Mine	GR98	\$ 8.99	\$ 1.21	\$ 5.37	\$ 2.41	13%	60%	27%
GRT	TR23	\$ 7.16	\$ 1.05	\$ 4.13	\$ 1.98	15%	58%	28%
Kentucky Lakes Dock	TR24	\$ 7.16	\$ 1.05	\$ 4.13	\$ 1.98	15%	58%	28%
Cora	UM98	\$ 7.12	\$ 0.98	\$ 3.81	\$ 2.32	14%	54%	33%