

Advisory Board Quarterly Meeting First Quarter FY09

Presented to
District Energy Advisory Board

November 20, 2008



Agenda

- 1. Call to Order
- 2. Election of Chair & Vice Chair
- 3. Review & Approval of Previous Meeting Minutes
- 4. Summary of Performance
- 5. Natural Gas Purchasing Up-Date
- 6. Financial Reports 1st Qtr FY09
- 7. Capital Projects Review
- 8. DES Capacity New Convention Center
- 9. Other Board Member Items
- 10. Adjourn



- 1. Call to Order
- 2. Election of Chair & Vice Chair
- 3. Review and Approval of Previous Meeting Minutes



4. Summary of Performance

Contractor (CNDE) is in compliance with their contractual obligations for FY09.

- Excellent Performance No Improvement Necessary
- Satisfactory Performance Some Improvement Could Be Made
- Poor Performance Much Improvement Necessary



Summary Table 4: Customer Cost Comparison for the Previous 12 Months

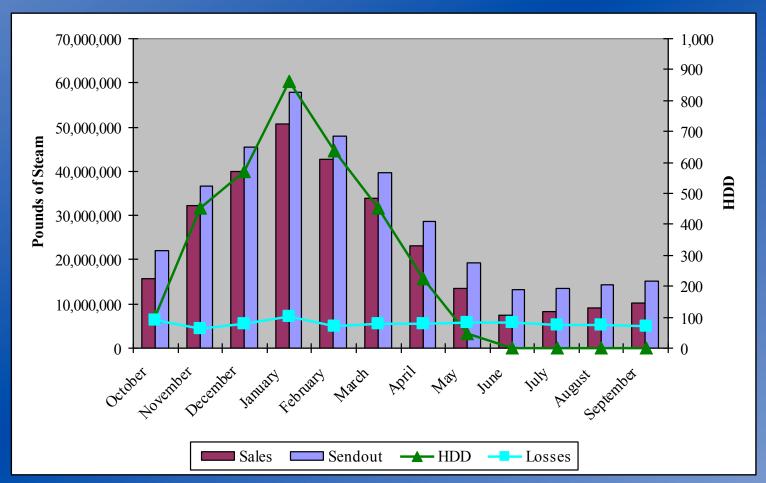
	Steam (\$ millions)			Chilled Water (\$ millions)			
	10/06 – 9/07	10/07-9/ 08	% Diff.	10/06-9/ 07	10/07-9/ 08	% Diff.	
Private	\$2.587	\$2.350	-9.2%	\$3.877	\$3.883	<0.2%	
State	\$3.150	\$2.898	-8.0%	\$3.144	\$3.224	2.5%	
Metro	\$3.330	\$3.162	-5.0%	\$4.531	\$4.591	1.3%	
New Customers	\$1.558	\$1.503	-3.5%	\$3.068	\$3.120	1.7%	
Aggregate	\$9.067	\$8.410	-7.2%	\$11.552	\$11.698	1.3%	

Includes MFA allocated to Metro Buildings (post-True-up)



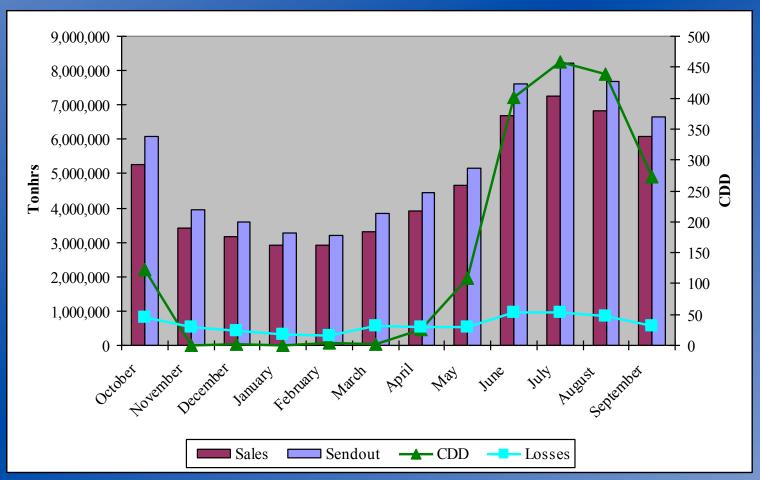
FY08 Operations: Steam





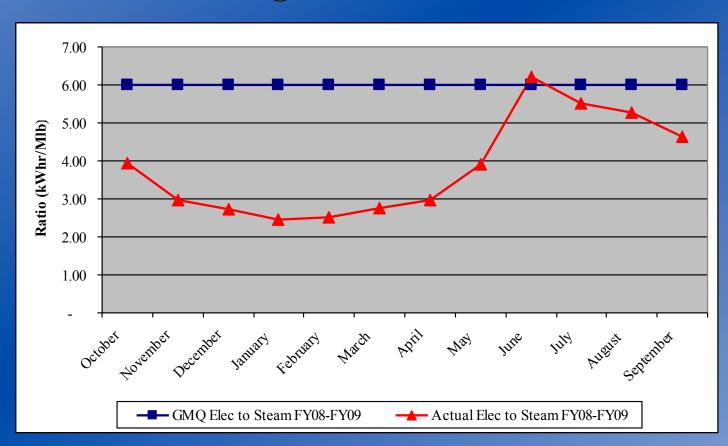


FY08 Operations: Chilled Water



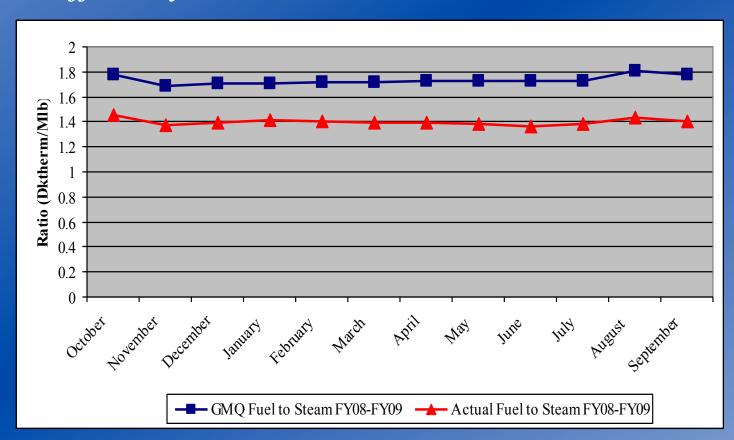


Performance Measurement FY08: Steam Electric Conversion



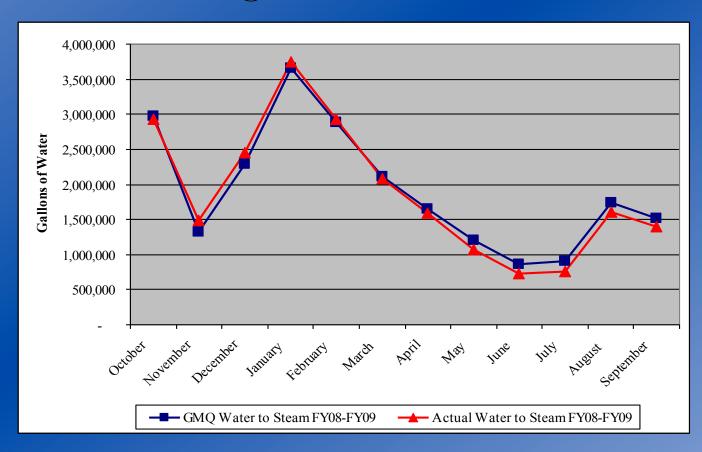


Performance Measurement FY08: Steam Plant Efficiency



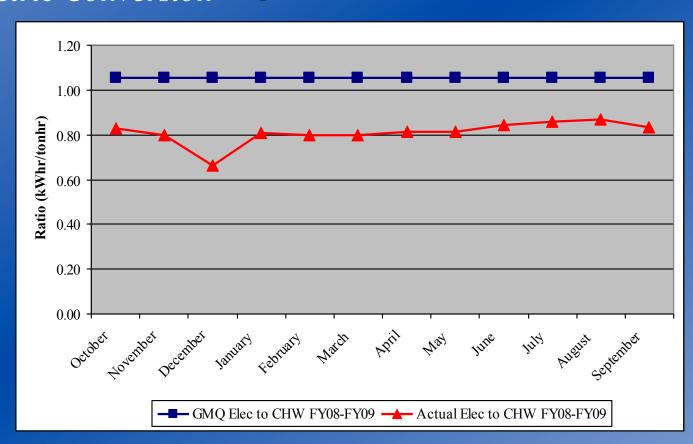


Performance Measurement FY08: Steam Water Conversion



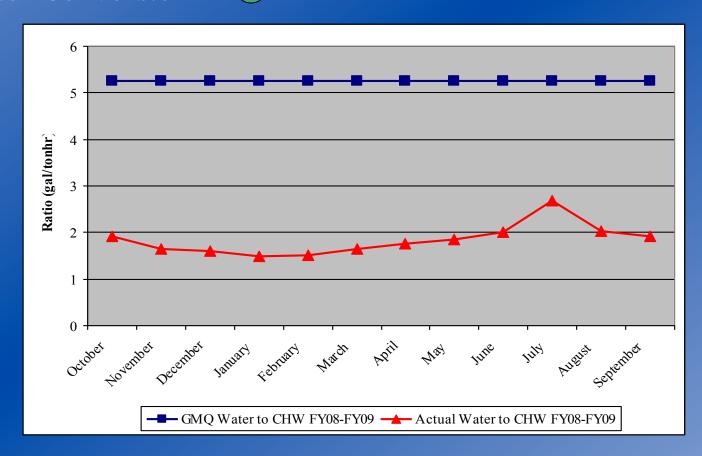


Performance Measurement FY08: Chilled Water Electric Conversion





Performance Measurement FY08: Chilled Water Water Conversion





Water Treatment

- Steam/Condensate
 - Corrosion
 - Iron
 - TT 1
 - Hardness
 - Chlorine/Sulfite
- Condensing Water
 - Conductivity
 - Biologicals
- Chilled Water
 - Hardness
 - Corrosion
 - Biologicals



EGF Walkthrough

Quarterly Inspection Process

- Equipment Maintenance
- Operations
- Electrical
- Housekeeping
- Building Structure
- Building Exterior and Grounds



EDS Walkthrough

Quarterly Inspection Process

- Manhole/Tunnel Housekeeping
- Maintenance Items
 - Insulation Repair/Replacement
 - Water Infiltration
 - Corrosion of Structural Metal Components
- Safety Items



5. Natural Gas Purchasing Update

Natural Gas Purchasing Review

Table 5: FY08 Gas Spending & Budget
Comparison

Actual Gas Costs for FY08

Projected Gas Costs for FY09

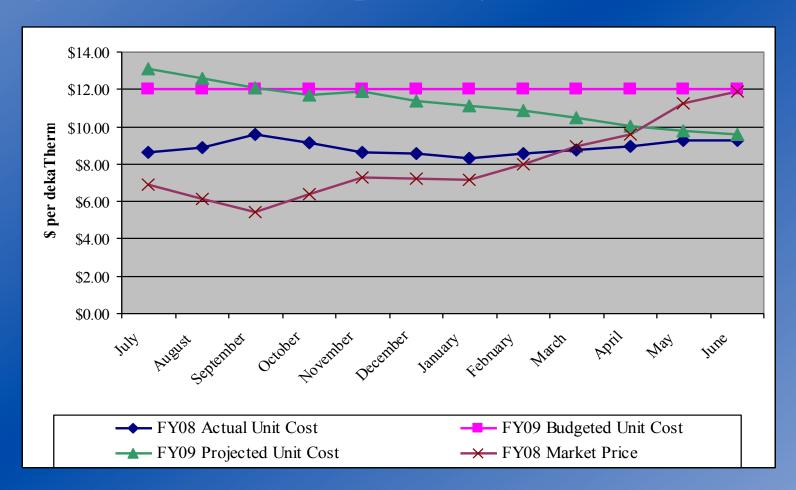


Table 5: FY09 Gas Spending & Budget Comparison

	Actual FY09 To date (Sept 30)	Budget FY09
Steam Sendout (Mlbs)	43,003	44,217
Fuel Use (Dth)	60,587	64,159
Plant Eff (Dth/Mlb)	1.408	1.451
Total Gas Cost	\$765,491	\$771,833
Unit Cost of Fuel (\$/Dth)	\$12.635	\$12.030



Projected Gas Cost Comparison for FY09





6. Financial Reports: 1st Qtr FY09

Item	FY09 Budget		1st Qtr FY09 Expenses		Percent of FY09 Budget	Percent of FY08 Actual for 1st Qtr
FOC: Basic		3,852,170	\$	963,042.51	25.00%	103.00%
FOC: 9th Chiller	\$	36,100	\$	9,023.76	25.00%	103.00%
FOC: Change Order 6A	\$	71,260	\$	17,815.74	25.00%	103.00%
FOC: Change Order 6B	\$	62,390	\$	15,597.00	25.00%	103.00%
Chemicals	\$	156,510	\$	43,118.73	27.55%	92.99%
Engineering	\$	40,000	\$	5,678.87	14.20%	n.a.
Insurance	\$	42,440	\$	29,721.89	70.03%	99.57%
Marketing: CEPS Sales Activity	\$	27,000	\$	2,005.57	7.43%	n.a.
Metro Marketing	\$	52,890	\$	-	0.00%	n.a.
Incentive Payments	\$	30,150	\$	3,704.40	12.29%	51.03%
Project Administration	\$	22,090	\$	-	0.00%	n.a.
Metro Incremental Cost		585,420	\$	94,099.04	16.07%	68.76%
FEA: Steam	\$	-	\$	34,016.86	n.a.	147.59%
FEA: Chilled Water		-	\$	112,987.27	n.a.	97.74%
ARFA	\$	-	\$	13,986.69	n.a.	103.00%
Metro Credit	\$	-	\$	(149, 216.72)	n.a.	85.31%
Water/Sewer	\$	681,600	\$	137,753.13	20.21%	82.74%
Natural Gas/Propane	\$	6,570,400	\$	765,490.08	11.65%	125.10%
Electricity		4,437,300	\$	1,400,759.74	31.57%	106.07%
EDS Repair & Improvement		171,430	\$	3,757.05	2.19%	12.28%
EDS Surcharge		68,460	\$	-	0.00%	n.a.
Sub-total Operations		16,907,610	\$	3,503,342	20.72%	106.05%
2002 Bonds	\$	4,361,770	\$	1,090,373.43	25.00%	99.94%
2005 Bonds	\$ \$	631,590	\$	172,074.13	27.24%	n.a.
FY07 Projects		227,800	\$	-	0.00%	0.00%
FY08 Projects	\$	220,500	\$	-	0.00%	n.a.
Debt Service Interest Revenue		(72,300)	\$	(46,161.38)	63.85%	n.a.
Oper. Reserve Funding Deposit	\$	97,400	\$	24,435.00	25.09%	51.18%
Sub-total Debt Service		5,466,760	\$	1,240,721	22.70%	103.76%
Total Expenses	\$	22,374,370	\$	4,744,063	21.20%	105.44%
Customer Revenues	\$	19,768,660	\$	4,498,667	22.76%	103.39%
Total Matus Funding Amount		2 (05 710	₽	245 206	0.420/	75.070/
Total Metro Funding Amount	\$	2,605,710	\$	245,396	9.42%	75.97%



7. Capital Projects Review

Financial Summary

Table 7: Capital Projects Summary

Active Project Status



Table 7: Capital Project Summary (09/30/08)

	Spent to End of FY08	FY09 Spending	Balance to Date (09/30/08)
2002A Bond	\$3,680,667	\$0	\$47,292
R&I Projects	\$626,555	\$1,878	\$415,280
2005B Bond	\$7,655,347	\$8,633	\$522,521
2007 Bond	\$2,620,771	\$0	\$237,729
2008 Bond	\$87,758	\$29,075	\$2,631,667
Total	\$14,671,098	\$39,586	\$3,854,489



Active Project Status

- DES 036: 4th Ave Tunnel Fan (R&I) in construction
- DES 041/054: Symphony CND in construction
- DES 042: 401 Union St. CND Replacement in closeout
- DES 045: MH 6 to MH 23 CND Replacement in close-out
- DES 046: Ryman CND in design
- DES 047: State Tunnel CND Replacement closed
- DES 049: Temp. Boiler Conn. @ MH 15 closed
- DES 050: MH Insulation in construction/ongoing
- DES 052: Wildhorse CND Tempering in close-out



Return on Investment

- Capital Project ROI
 - −Boiler O₂ Trim
 - -Power Factor Correction Capacitor
 - -Condensate Return
 - -New Customers
- Funding



8. DES Capacity – New Convention Center

- TEG Hydraulic Analysis for EDS Chilled Water
- Expansion with New Convention Center
 - Peak Demands Decreasing Each Year: 2006, 2007, 2008
 - 11,500 gpm Additional Export Possible
 - Potential Servable Load at NCC Location ~7,200 tons
 - 7,200 tons Consumes Remaining EGF Capacity
- Potential Additional Customers at Other Locations



9. Other Board Member Items

10. Adjourn