

Semi-Annual DES Customer Meeting Spring 2010 (FY10)

Presented to

Metro DES Customers

March 18, 2010



Agenda

- 1. Welcome!
- 2. Comparison of Customer Annual Costs
- 3. CEPS Scorecard
- 4. Natural Gas Trends
- 5. FY10 Budget Review
- 6. Proposed FY11 Budget
- 7. Capital Projects Review
- 8. Music City Convention Center
- 9. Liaison Transition of Duties
- 10. Questions and Answers
- 11. Adjourn



1. Welcome!









2. Comparison of Annual Customer Costs

		Steam (\$ millions))	Chilled Water (\$ millions)			
	01/08 – 12/08	01/09-12 /09	% Diff.	01/08 – 12/08	01/09-12 /09	% Diff.	
Private	\$2.439	\$1.943	-20.3%	\$3.827	\$3.497	-8.6%	
State	\$3.100	\$2.513	-18.9%	\$3.257	\$3.191	-2.0%	
Metro	\$2.856	\$2.225	-22.1%	\$3.055	\$2.967	-2.9%	
Aggregate	\$8.395	\$6.681	-20.4%	\$10.139	\$9.656	-4.8%	

^{*}FY08 MFA = \$2,193,075; FY09 MFA = \$3,217,986 post-True-up; MFA not included in values shown



Comparison of Annual Energy Consumptions

		Steam (Mlbs)		Chilled Water (1,000 tonhrs)			
	01/08 – 12/08	01/09-12 /09	% Diff.	01/08 – 12/08	01/09-12 /09	% Diff.	
Private	90,049	79,705	-11.5%	19,913	17,107	-14.1%	
State	108,445	99,498	-8.3%	16,772	16,385	-2.3%	
Metro	100,942	87,881	-12.9%	17,641	17,107	-3.0%	
Aggregate	299,436	267,084	-10.8%	54,325	50,599	-6.9%	
HDD/CDD	3,581	3,631	1.4%	1,913	1,559	-18.5%	



3. CEPS Score Card

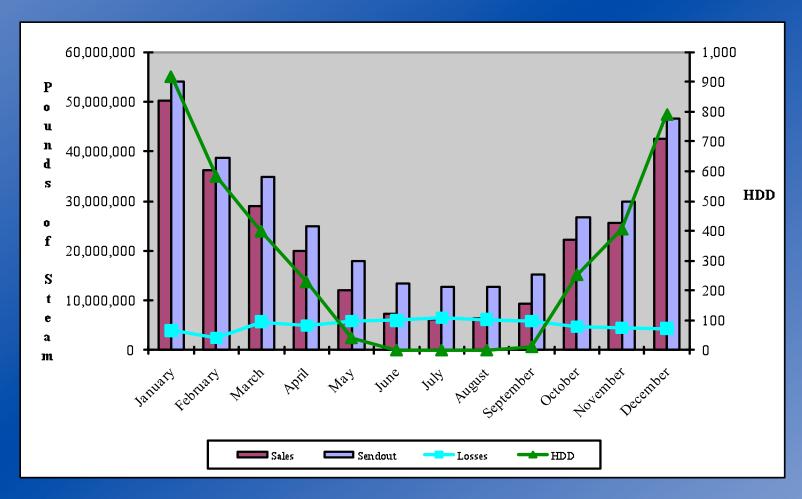
Contractor (CNDE) is in compliance with their contractual obligations for FY10.

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



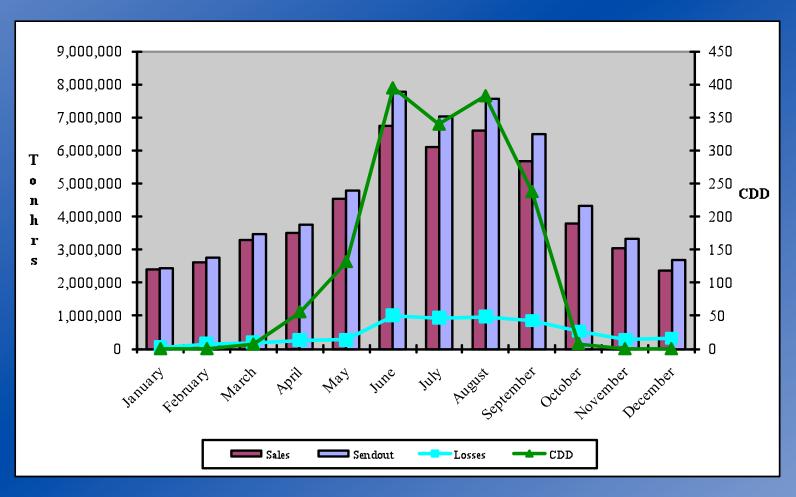
FY10 Operations: Steam





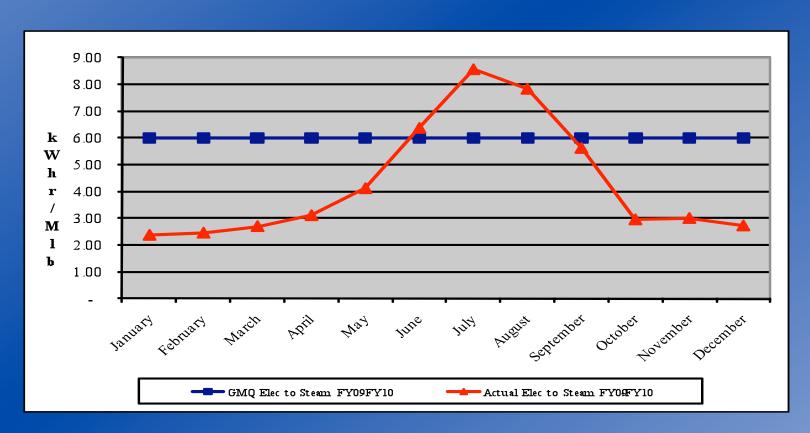


FY10 Operations: Chilled Water



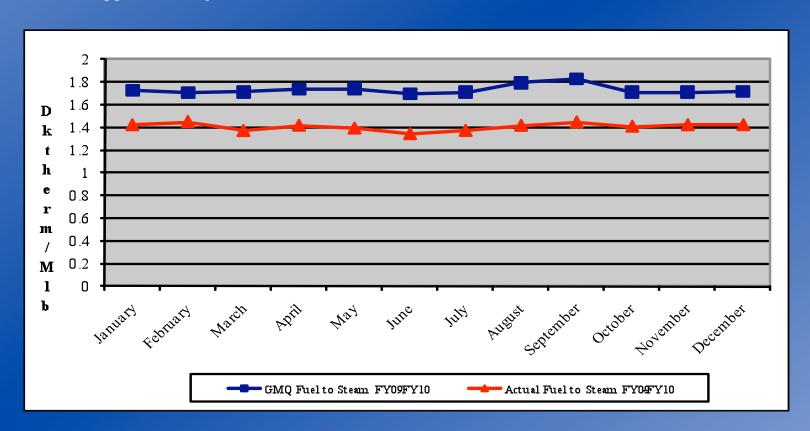


Performance Measurement FY10: Steam Electric Conversion



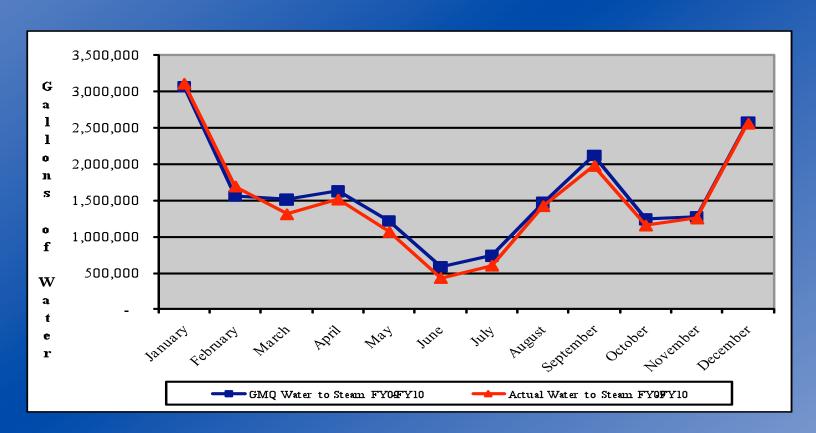


Performance Measurement FY10: Steam Plant Efficiency



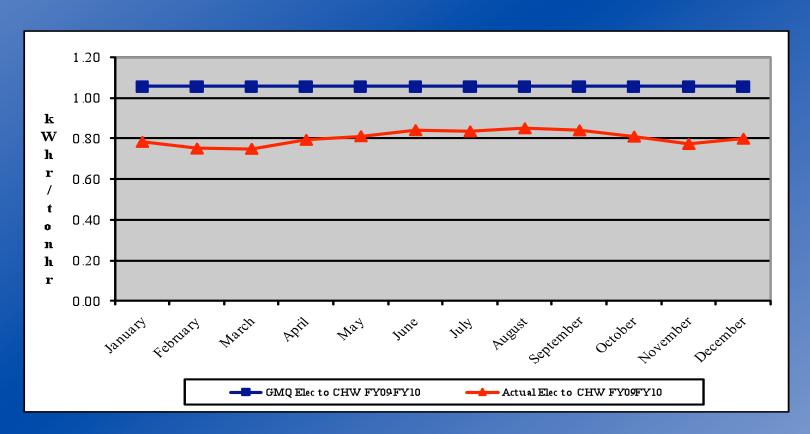


Performance Measurement FY10: Steam Water Conversion



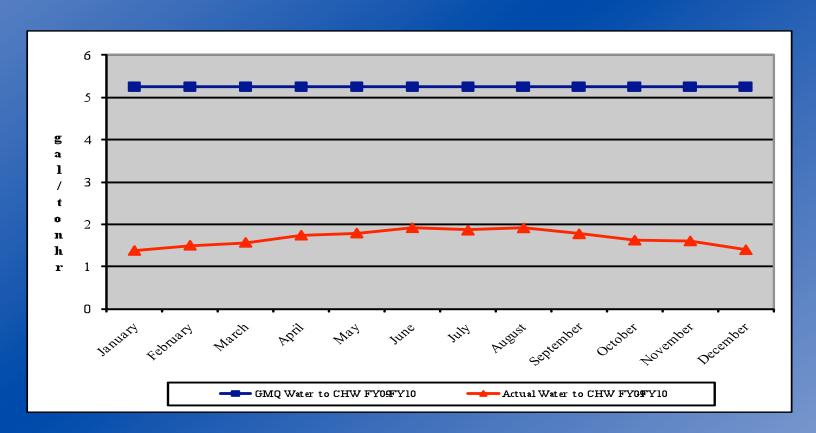


Performance Measurement FY10: Chilled Water Electric Conversion





Performance Measurement FY10: Chilled Water Water Conversion





Water Treatment

- Steam/Condensate
 - Corrosion
 - Iron
 - 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



4. Natural Gas Trends Natural Gas Purchasing Review

Table 4: FY10 Gas Spending & Budget Comparison

Figure 4: Actual and Projected Gas Cost Comparison for FY10

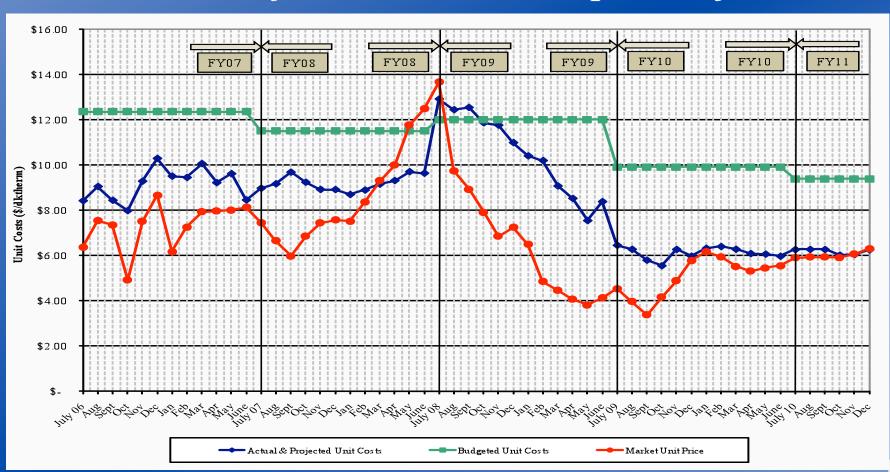


Table 4: FY10 Gas Spending & Budget Comparison

	Actual FY10 To date (Dec 31)	Budget FY10
Steam Sendout (Mlbs)	144,218	145,172
Fuel Use (Dth)	205,313	210,500
Plant Eff (Dth/Mlb)	1.424	1.450
Total Gas Cost	\$1,297,0338	\$2,068,373
Unit Cost of Fuel (\$/Dth)	\$6.317	\$9.826



Actual and Projected Gas Cost Comparison for FY10





5. FY10 Budget Review: 2nd Qtr

Item	FY10		Total Expenses		Percent of
	Budget		to Date		FY10 Budget
	_		_		
FOC: Basic	\$	3,976,200	\$	1,926,085	48.44%
FOC: 9th Chiller	\$	37,200	\$	18,048	48.51%
FOC: Change Order 6A	\$	73,400	\$	35,631	48.54%
FOC: Change Order 6B	\$	64,300	\$	31,194	48.51%
Chemicals	\$	161,200	\$	74,891	46.46%
Engineering	\$	26,200	\$	16,578	63.28%
Insurance	\$	43,700	\$	27,723	63.44%
Marketing: CEPS Sales Activity	\$	9,800	\$	_	0.00%
Metro Marketing	\$	35,000	\$	8,564	24.47%
Incentive Payments	\$	_	\$	_	n.a.
Project Administration	\$	24,000	\$	_	0.00%
Metro Incremental Cost	\$	526,400	\$	186,757	35.48%
FEA: Steam	\$	_	\$	<i>5</i> 3,980	n.a.
FEA: Chilled Water	\$	_	\$	194,436	n.a.
ARFA	\$	_	\$	27,973	n.a.
Metro Credit	\$	_	\$	(221,345)	n.a.
Water/Sewer	\$	689,600	\$	194,705	28.23%
Natural Gas/Propane	\$	4,692,900	\$	1,297,038	27.64%
Electricity	\$	5,034,100	\$	2,083,012	41.38%
EDS Repair & Improvement	\$	176,500	\$	63,339	35.89%
EDS Surcharge	\$	70,600	\$	-	0.00%
Sub-total Operations	\$	15,641,100	\$	6,018,610	38.48%
2002 Bonds	\$	4,362,900	\$	2,181,405	<i>5</i> 0.00%
2005 Bonds	\$	627,600	\$	168,794	26.90%
FY07 Projects	\$	227,800	\$	112,075	49.20%
FY08 Projects	\$	220,500	\$	112,075	50.83%
Debt Service Interest Revenue	\$	(123,700)	\$	(7,83 <i>5</i>)	6.33%
Oper. Reserve Funding Deposit	\$	_	\$	-	n.a.
Sub-total Debt Service	\$	5,315,100	\$	2,566,514	48.29%
Total Expenses	\$	20,956,200	\$	8,585,124	40.97%
Customer Revenues	\$	18,512,100	\$	7,405,726	40.00%
Total Metro Funding Amount	\$	2,444,100	\$	1,179,398	48.25%



6. Proposed FY11 Budget

Item		FY10	FY11		Percent
		Budget Budget		Change from	
					FY10
FOC: Basic + C/O 6C	\$	3,976,200	\$	3,976,200	0.00%
FOC: 9th Chiller	\$	37,200	\$	37,200	0.00%
FOC: Change Order 6A	\$	73,400	\$	73,400	0.00%
FOC: Change Order 6B	\$	64,300	\$	64,300	0.00%
Chemicals	\$	161,200	\$	1 <i>5</i> 0,000	-6.95%
Engineering	\$	26,200	\$	26,200	0.00%
Insurance	\$	43,700	\$	27,700	-36.61%
Marketing: CEPS Sales Activity	\$	9,800	\$	_	-100.00%
Metro Marketing		35,000	\$	15,000	-57.14%
Incentive Payments	\$	=	\$	_	n.a.
Project Administration	\$	24,000	\$	30,700	27.92%
Metro Incremental Cost	\$	<i>5</i> 26,400	\$	478,900	-9.02%
Water/Sewer	\$	689,600	\$	<i>5</i> 74,000	-16.76%
Natural Gas/Propane	\$	4,692,900	\$	4,445,500	-5.27%
Electricity	\$	5,034,100	\$	4,949,700	-1.68%
EDS Repair & Improvement	\$	176,500	\$	176,500	0.00%
EDS Surcharge	\$	70,600	\$	70,600	0.00%
Sub-total Operations	\$	15,641,100	\$	15,095,900	-3.49%
2002 Bonds	\$	4,362,900	\$	4,239,500	-2.83%
2005 Bonds	\$	627,600	\$	628,100	0.08%
2007 Bonds	\$	227,800	\$	227,800	0.00%
2008 Bonds	\$	220,500	\$	220,500	0.00%
2010 Bonds	\$	_	\$	_	n.a.
Interest Revenue	\$	(123,700)	\$	(92,900)	-24.90%
Oper. Reserve Funding Deposit	\$	_	\$	_	n.a.
Sub-total Debt Service	\$	5,315,100	\$	5,223,000	-1.73%
Total Expenses	\$	20,956,200	\$	20,318,900	-3.04%
_					
Customer Revenues	\$	18,488,100	\$	17,832,700	-3.54%
Project Admin. Revenue	\$	24,000	\$	30,700	27.92%
	\$		\$	_	n.a.
Total Metro Funding Amount	\$	2,444,100	\$	2,455,500	0.47%



7. Capital Projects Review

	Spent to End of FY09	FY10 Spending	Balance to Date (02/18/10)
R&I Projects	\$764,130	\$77,402	\$525,676
2005B Bond	\$7,920,090	\$118,058	\$148,353
2007 Bond	\$2,620,771	\$0	\$237,729
2008 Bond	\$1,846,622	\$1,031,878	\$0
2010 Bond	\$0	\$47,389	\$2,362,611
Total	\$10,530,842	\$1,274,727	\$3,274,369

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Active Capital Projects

- DES 059: CJC Service Line Replacement in design
- DES 060: MH Insulation in construction/ongoing
- DES 061: MH & Tunnel Structural Steel Corrosion Prevention in design
- DES 062: Replacement of Steam and Condensate Service to Wildhorse Saloon in construction
- DES 066: 1st Avenue Manhole & Steam Line Removal from Service in construction
- DES 067: EDS Tunnel Structural Rehabilitation construction pending
- DES 068: Manhole 10 Concrete Pad Installation in construction
- DES 069: Municipal Auditorium Tempering Station in design
- DES 073: MH-18 Condensate and Platform Modification in design
- DES 076: MH-S4A State Manhole Rebuild in design
- DES 077: Expansion of Service to the Music City Convention Center in design

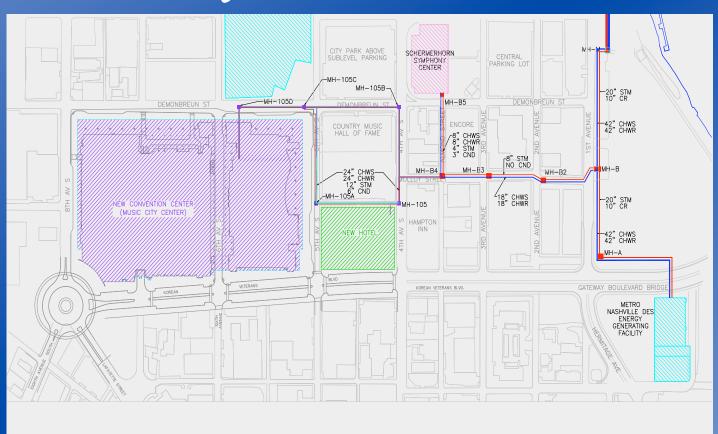


Proposed Capital Projects

- DES 048: Tunnel Lighting Replacement Phase III to be completed after DES 067
- DES 063: Sump Pump Installation in MH A, B & M on standby
- DES 070: MH 6 to 23 Condensate Line Replacement deferred
- DES 071: Hermitage Hotel Service Modifications deferred
- DES 072: Sheraton Hotel Steam and Condensate Replacement design to begin in 4th Qtr FY10



8. Music City Convention Center





Proposed Music City Convention Center & New Hotel

- Music City Convention Center
 - 4,000 tons
 - 35,000 pph
- New Hotel
 - 1,900 tons
 - 23,400 pph
- No Impact on Existing Customers
- New Load Approaches EGF Capacity Limit



9. Liaison Transition of Duties

10. Questions and Answers

11. Adjourn