

Advisory Board Quarterly Meeting First Quarter FY11

Presented to
District Energy Advisory Board

November 18, 2010



Agenda

- 1. Call to Order
- 2. Review & Approval of Previous Meeting Minutes
- 3. Review of DES Contractor Performance
- 4. Natural Gas Purchasing Status
- 5. Financial Reports 1st Qtr FY11
- 6. FY11 Budget Status Report
- 7. Capital Projects Review & Status Report Update
- 8. Music City Convention Center Expansion Update
- 9. Damage Report from May 1-2, 2010 Flood
- 10. Other Board Member Items
- 11. Adjourn



1. Call to Order

2. Review and Approval of Previous Meeting Minutes



3. Review of DES Contractor Performance

Contractor (CNDE) is in compliance with their contractual obligations for FY11.

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



Summary Table 3: Customer Cost Comparison for the Previous 12 Months

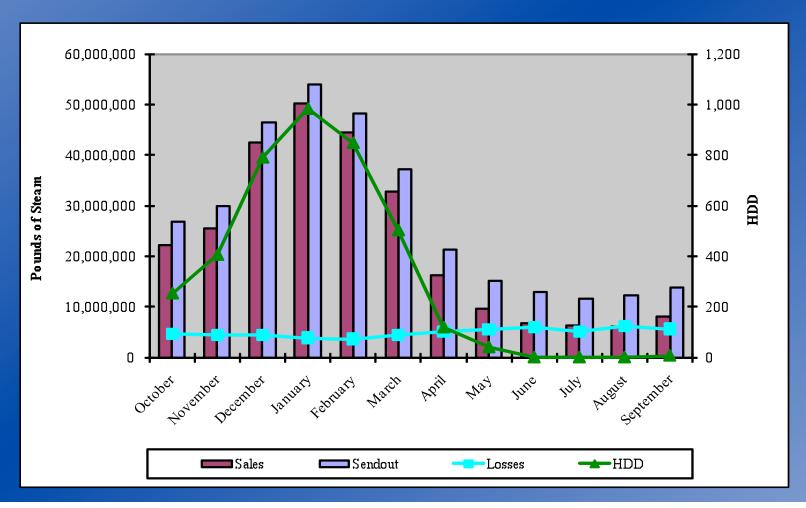
	Steam (\$ millions)			Chilled Water (\$ millions)			
	10/08 – 09/09	10/09-09 /10	% Diff.	10/08 – 09/09	10/09-09 /10	% Diff.	
Private	\$2.197	\$1.661	-24.4%	\$3.564	\$3.717	4.3%	
State	\$2.805	\$2.287	-18.5%	\$3.213	\$3.364	4.7%	
Metro	\$2.636	\$1.937	-26.5%	\$3.053	\$3.103	1.7%	
Aggregate	\$7.638	\$5.886	-22.9%	\$9.830	\$10.184	3.6%	

^{*}FY09 MFA = \$3,217,986; FY10 MFA = \$2,661,553 post-True-up; MFA not included in values shown



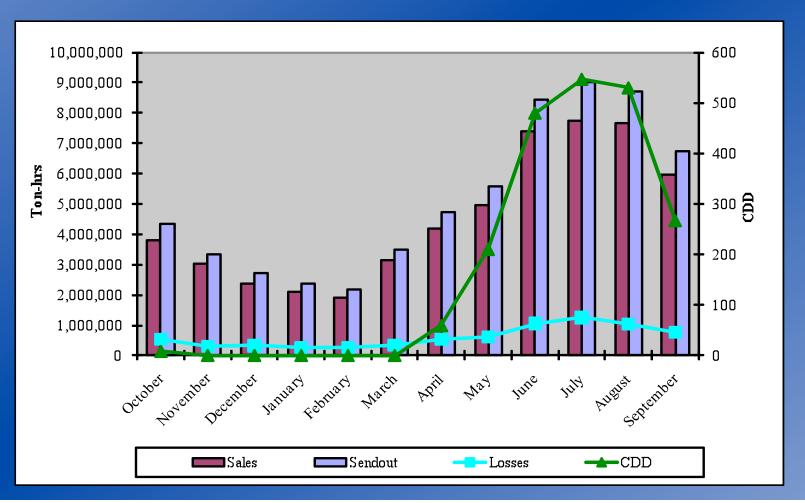
FY11 Operations: Steam





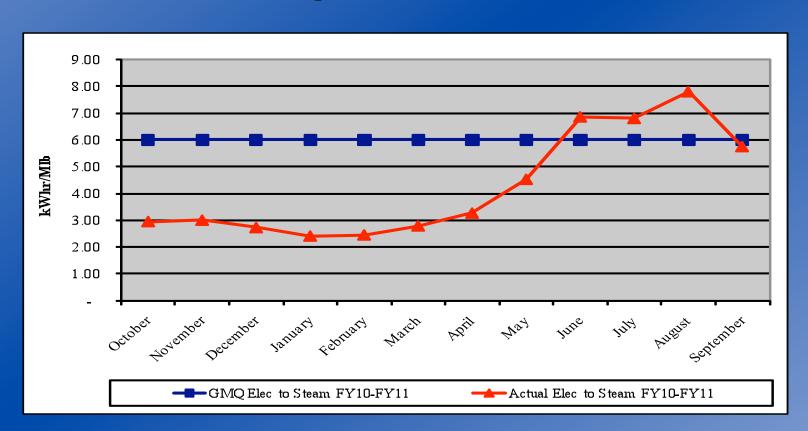


FY11 Operations: Chilled Water •



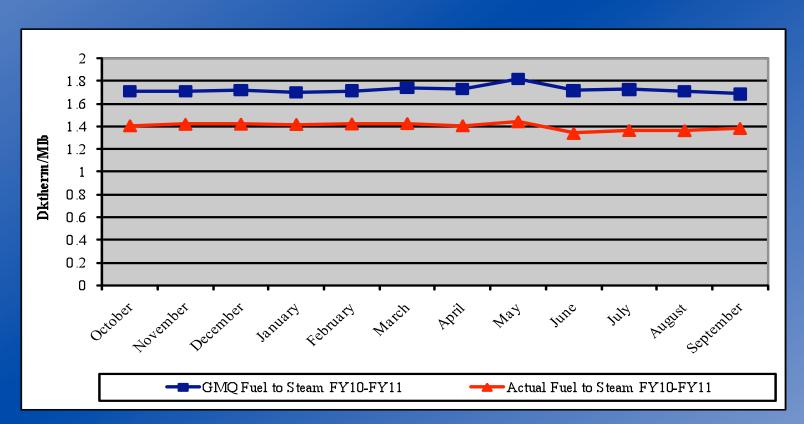


Performance Measurement FY11: Steam Electric Conversion



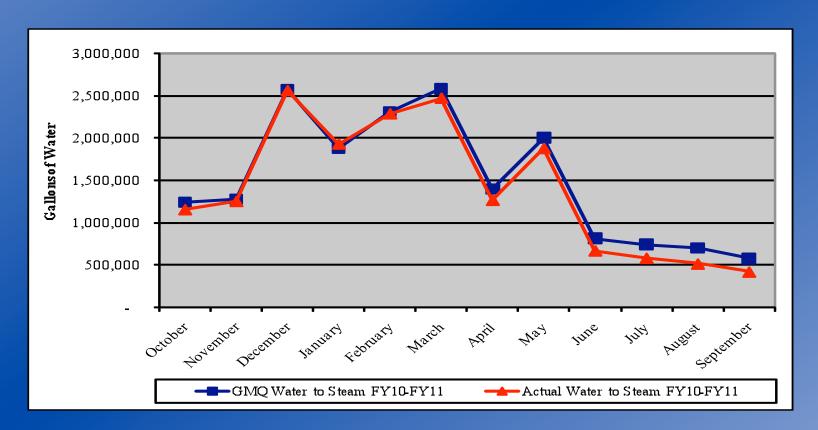


Performance Measurement FY11: Steam Plant Efficiency



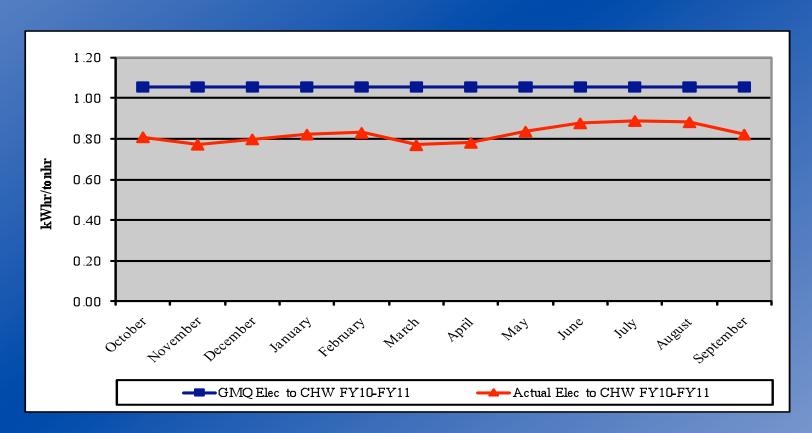


Performance Measurement FY11: Steam Water Conversion



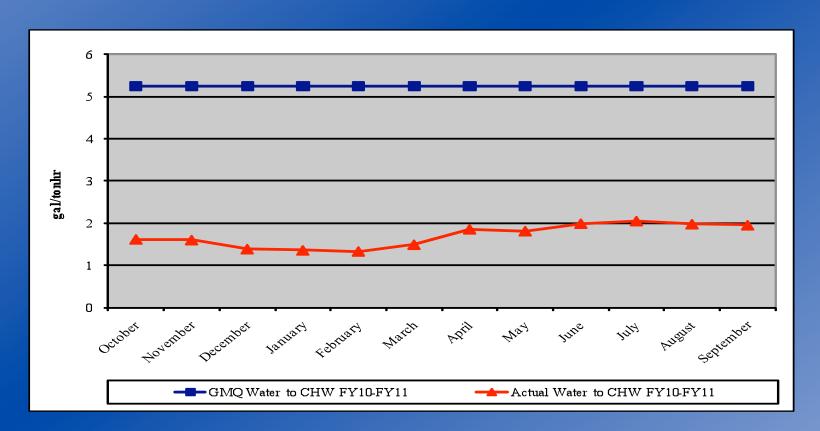


Performance Measurement FY11: Chilled Water Electric Conversion





Performance Measurement FY11: 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 Purchasing Natural Gas Purchasing Review

Table 4: FY11 Gas Spending & Budget Comparison

Figure 4: Actual and Projected Gas Cost Comparison for FY11

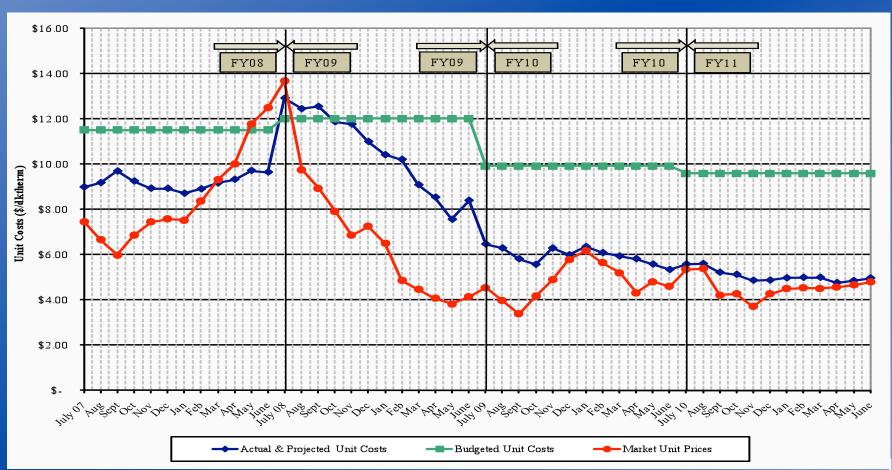


Table 4: FY11 Gas Spending & Budget Comparison

	Actual FY11 To date (Sept 30)	Budget FY11
Steam Sendout (Mlbs)	37,522	39,771
Fuel Use (Dth) (includes propane)	51,505	56,037
Plant Eff (Dth/Mlb)	1.373	1.409
Total Gas Cost (includes propane)	\$312,243	\$524,899
Unit Cost of Fuel (\$/Dth)	\$6.062	\$9.367



Fig 4. Actual and Projected Gas Cost Comparison History





5. Financial Reports: 1st Qtr FY11

Item			F	Yll Budget	То	tal Spending to Date	%	of Budget
FOC:	Basic		\$	3,976,200	\$	988,755.75		24.87%
	9th Chiller		\$	37,200	\$	9,264.75		24.91%
	C/O 6A		\$	73,400	\$	18,291.51		24.92%
	C/O 6B		\$	64,300	\$	16,013.43		24.90%
Pass-thru Charges:	Water		\$	574,000	\$	156,947.84		27.34%
_	Chemical Tr	eatment	\$	150,000	\$	33,954.63		22.64%
	Engineering	5	\$	26,200	\$	3,604.53		13.76%
	Insurance		\$	27,700	\$	_		0.00%
	EDS Electric	city	\$	_	\$	13,576.00	n.a.	
	EDS R&I	_	\$	176,500	\$	3,282.06		1.86%
	EDS Surcha	ırge	\$	70,600	\$	_		0.00%
Marketing:	CES Sales A	Activity	\$	-	\$	_	12.a.	
	Incentive P	ayments	\$	_	\$	_	12.a.	
	Metro Mark	ceting	\$	15,000	\$	_		0.00%
	Project Adn	ninistration	\$	30,700	\$	360.00		1.17%
FEA:	Steam		\$	-	\$	13,190.85	12.a.	
	Chilled Wat	ter	\$	_	\$	125,430.95	12.a.	
Misc:	Metro Cred	it	\$	-	\$	(170,523.84)	12.a.	
	ARFA		\$	_	\$	14,360.13	12.a.	
	Deferral		\$	_	\$	_	n.a.	
	Subtot	al - Man Fee =	\$	5,045,300	\$	1,219,262.00		24.17%
Reimbursed Manage	ment Fee				\$	405,211.45		
Metro Costs:		mental Cost	\$	469,900	\$	282,077.15		60.03%
	EDS Water		\$	-	\$	25.10	12.a.	
	Natural Gas		\$	4,445,500	\$	312,242.55		7.02%
	Propane		\$	-	\$	_	12.a.	
	Electricity		\$	4,949,700	\$	1,567,251.61		31.66%
	Subtotal -	Operations =	\$	15,086,900	\$	3,387,745.00		22.45%
Debt Service	2002 Bonds		\$	4,239,500	\$	1,090,723.44		25.73%
	2005 Bonds		\$	628,100	\$			0.00%
	2007 Bonds		\$	227,800	\$	_		0.00%
	2008 Bonds		\$	220,500	\$	_		0.00%
	2010 Bonds		\$	-	\$	_	12.a.	
	Interest Rev	venue	\$	(100,000)	\$	(17,379.17)		17.38%
Oper. Reserve Fundi	ing Deposit		\$	_	\$	_	n.a.	
	Subto	tal - Capital =	\$	5,215,900	\$	1,073,344.27		20.58%
		Total =	\$	20,302,800	\$	4,461,089.27		21.97%
		Revenues =	\$	17,858,700	\$	4,242,612.37		23.76%
		_ =====================================		,===,,				
	Metro Fund	ling Amount =	\$	2,444,100	\$	218,476.90		8.94%



6. FY11 Budget Status Report

T.		THE		T-77 1 1		
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: 9th Climer FOC: Change Order 6A	\$	73,400	\$	73,400	0.00%	
FOC: Change Order 6B	\$	64,300	\$	64,300	0.00%	
Chemicals	\$	161,200	\$	150,000	-6.95%	
Engineering	\$	26,200	\$	26,200	0.00%	
Insurance	\$ \$	43,700	\$	27,700	-36.61%	
Marketing: CEPS Sales Activity	\$	9,800	\$	27,700	-100.00%	
Metro Marketing	\$	35,000	\$	15,000	-57.14%	
	\$	33,000	\$	13,000		
Incentive Payments	-	- 34.888	\$	- 20.700	n.a. 27.92%	
Project Administration	\$	24,000	\$	30,700		
Metro Incremental Cost	\$	526,400	\$	485,900	-7.69%	
Water/Sewer	\$	689,600	_	574,000	-16.76%	
Natural Gas/Propane	\$	4,692,900	\$	4,429,200	-5.62%	
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	\$	15,086,600	-3.55%	
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%	
	4			20 200 555		
Total Expenses	\$	20,956,200	\$	20,309,600	-3.09%	
Customer Revenues	\$	18,488,100	\$	17,820,100	-3.61%	
Project Admin. Revenue	\$	24,000	\$	30,700	27.92%	
1 1 0 jour 1 1 million 1 te ve ji tue	\$		\$	14,700	n.a.	
Total Metro Funding Amount	\$	2,444,100	\$	2,444,100	0.00%	



Capital Expenditure Update

	Spent to End of FY10	FY11 Spending	Balance to Date (10/20/10)
R&I Projects	\$976,742	\$8,945	\$546,254
2005B Bond	\$8,054,218	\$9,164	\$123,118
2007 Bond	\$2,620,771	\$0	\$237,729
2010 Bond	\$412,384	\$38,242	\$1,957,125
2011 Bond	\$0	\$0	\$8,500,000
Total	\$12,064,115	\$56,351	\$11,364,226



7. Capital Projects Review

Active Capital Projects

- DES 059: CJC Condensate Service Line Repair construction completed during 1st Qtr FY11; closeout to occur in 2nd Qtr FY11
- DES 060: MH Insulation in construction/ongoing
- DES 061: Manhole & Tunnel Steel Corrosion Repair & Prevention in construction/ongoing
- DES 062: Replacement of Stm and Cond Service to Wildhorse Saloon closed
- DES 063: Manhole A, B & M Sump Pump Installation in construction; CEPS donating labor
- DES 066: 1st Avenue Manhole & Steam Line Removal from Service in closeout
- DES 067: Tunnel Rock Rehabilitation.: Broadway, 7th & 4th Ave. in construction
- DES 069: Municipal Auditorium Tempering Station closed
- DES 073: MH-18 Platform Modification awarded; construction during 2nd Qtr FY11



7. Capital Projects Review (cont'd.)

Active Capital Projects

- DES 076: MH-S4A State Manhole Rebuild on hold; awaiting completion of the State alternate fiber optic duct
- DES 077: Expansion of Service to the Music City Convention Center in construction
- DES 080: Misc. Manhole & Tunnel Safety Repairs in design
- DES 081: Flood Related Repairs construction complete; in closeout



FY 2010-2011 Proposed Projects

- DES 048: Tunnel Lighting Replacement Phase III awaiting DES 067
- DES 070: MH 6 to 23 Condensate Line Replacement
- DES 071: Hermitage Hotel Service Modifications
- DES 072: Sheraton Hotel Steam and Condensate Replacement

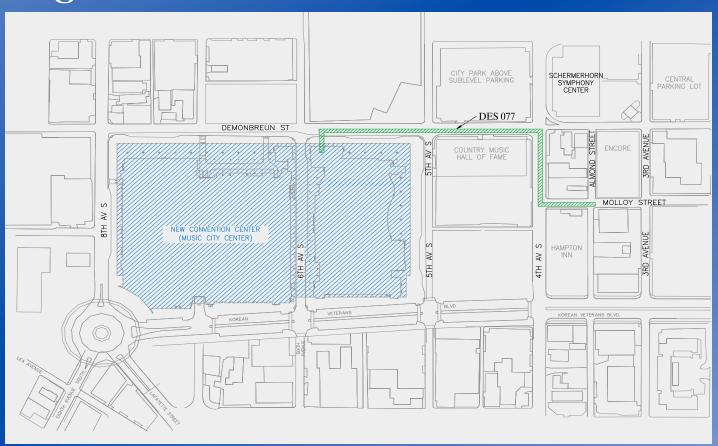


8. Music City Convention Center Expansion Update

- Music City Convention Center
 - 5,820 tons (contract)
 - 53,130 pph (contract)
- Estimated Capital Cost \$6,022,000
- Estimated \$500,000 (~25%) Reduction in MFA
- Construction Began October 2010
- "Service Ready" Anticipated 04/15/2011



Music City Convention Center Location & Routing Plan





9. Damage Report from May 1-2, 2010 Flood

- Paid to Date (10/29/10) \$375,000
- Majority of costs may not be affect capital budget

Item	Estimated Total Cost	FEMA Reimbursement	Net Cost to Metro
Electrical & Communications	\$215,000	\$213,477	\$1,523
Mechanical & Temp Boiler	\$373,500	\$83,947	\$289,553
Other	\$25,000	\$20,329	\$4,671
Total	\$613,500	\$317,753	\$295,747



10. Other Board Member Items

11. Adjourn

Advisory Board Meeting Schedule

```
FY11 – 2<sup>nd</sup> Quarter Meeting – February 17, 2011
```

FY11 – 3rd Quarter Meeting – May 19, 2011

FY11 – 4th Quarter Meeting – August 17, 2011

FY12 – 1st Quarter Meeting – November 16, 2011