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FINANCE & RECORDS

MEMO

To: Gregg Mandsager, City Administrator
From: Nancy A. Lueck, Finance Director
Date: September 6, 2011
Re: Landfill Deficit Reduction Plan Update

Introduction:

A Committee formed by the Chamber of Commerce and Industry held meetings from July – September, 2010 to study the Landfill and Transfer Station operations and the deficits which had accumulated in these funds. The Committee's recommendations included implementation of new negotiated industrial waste contracts and a long-term plan to significantly reduce or eliminate the deficit in the landfill fund over the next 5-6 years (prior to the time when construction of the next cell would need to begin). The Committee's recommendations were approved by the City Council at the October 7, 2011 Council meeting and the new negotiated industrial contracts were effective by December, 2010.

Current Information:

Attached to this memo are four schedules which are summarized as follows:

Schedule I - Original Committee Landfill Deficit Reduction Plan

This is the schedule that was presented to City Council in September of 2010. A major component of this Plan was the addition of an estimated 5,000 tons of waste on an annual basis through new negotiated industrial waste disposal contracts. This was projected to bring in \$180,000 in new revenue with all of the new revenue directed toward the Landfill deficit. This original Plan projected the July 1, 2010 deficit of approximately \$2.5 million would be reduced to a \$350,000 deficit by FY 2015/2016 (a reduction of \$350,000 - \$390,000 each year). Based on the 35,000 ton annual waste volume in the model, construction on the next landfill cell was projected to be needed to begin during the FY 2016/2017 year.

Schedule II – Actual Waste Volumes and Revenue for FY 2010/2011

The Landfill waste volume was budgeted at 35,000 tons for 2010/2011. The actual waste volume was 31,493 tons. It should be noted, however, that the new negotiated industrial contracts were not effective until almost midway through the fiscal year. The waste volume by type of customer is summarized on the first page of Schedule II as follows:

**"I remember Muscatine for its sunsets. I have never seen any
on either side of the ocean that equaled them" — Mark Twain**

	<u>Committee Estimated Tons</u>	<u>Actual Tons</u>	<u>Variance over (under) Estimate</u>
Regular Waste (Full Rate)	21,000	21,553	+ 553
Original Industrial Contracts	9,000	7,380	- 1,620
Negotiated Industrial Contracts	5,000 (full year estimate)	2,560 (Dec-June only)	- 2,440
Totals	35,000 tons	31,493 tons	- 3,507

The second and third page of Schedule II shows Transfer Station revenues and Landfill revenues by types of customers. It should be noted that the Transfer Station revenues include the amount that is paid to the Landfill fund based on actual waste volumes.

	<u>Transfer Station (Total) Revenue</u>	<u>Landfill Portion of Revenue</u>
Regular Waste (Full Rate)	\$1,293,152	\$ 862,101
Original Industrial Contracts	368,999	221,399
Negotiated Industrial Contracts	<u>81,712</u>	<u>81,712</u>
Totals	\$1,743,863	\$1,165,212
Budget Estimates	<u>1,800,000</u>	<u>1,200,000</u> (Committee estimate for a full year was \$1,275,000)
Actual under by	<u>\$ 56,137</u>	<u>\$ 34,788</u>

Schedule III – Actual Revenues, Expenditures and Ending Fund Balance FY 2010/2011

Revenues and expenditures are detailed on this schedule and compared to the City's Revised Estimate (Amended Budget). While revenues are under the Amended Budget by \$24,671, expenditures are also less than budgeted by \$99,530. Significant components of the variance in actual expenditures compared to the Amended Budget include (1) a reduction of \$51,655 in the required annual closure/post-closure transfers, (2) \$12,800 less in landfill surcharge fees due to the reduced waste tonnage, and (3) reduced payments of \$18,592 to the Landfill operator which was also due to the reduced waste tonnage during 2010/2011. Since the amount that expenditures were under budget exceeded the amount that revenues

were under, the ending fund balance is \$74,860 higher than budgeted. The Amended Budget projected a decrease in the Landfill deficit of 337,128 during the year (to \$2,175,472). **The actual reduction in the deficit is \$411,988 (to \$2,100,612).** This compares variably to the Committee's model which reflected a reduction in the deficit of \$389,559.

The last two columns on Schedule III show the Budget for 2011/2012 and known revisions to date for the upcoming year. The known revisions include (1) higher beginning balance for the year, (2) expected continued reduced funding levels to the Closure and Post-Closure Reserves, and (3) an increase in the payment to the Landfill Operator under the new contract. This contract was changed from a "per ton" basis to a flat monthly fee basis under the new contract effective July 1, 2011. While the projected deficit for June 30, 2012 is now \$1,684,010 (compared to the \$1,641,360 originally budgeted), it is still estimated that there will be a deficit reduction of \$416,602 during 2011/2012. This again compares favorably to the Committee's Plan to greatly reduce this deficit in each of the upcoming years.

Schedule IV – City Refuse Collection Operation – Tons of Waste Collected and Recycled

A significant part of the Plan to eliminate the Landfill deficit involves receiving additional waste volumes from the new negotiated industrial contracts. One of the effects of the new Curbside Recycling Program for the City's Refuse Collection operation will be to reduce the waste volume from the City's refuse collection customers. This first part of this schedule shows actual City refuse collection waste volumes for the past four fiscal years and the first two months of 2011/2012. The total waste volume has ranged from 8,128 to 8,731 from 2007/2008 through 2009/2010 (years before the Curbside Recycling Program). The five most recent months are shaded and indicate the five months that the Curbside Recycling Program has been in operation. In just doing a "rough" comparison of refuse tonnage for the same month the previous year, the waste tonnage decreased by a total of 352 tons (average of 70.4 tons per month). It should be noted, however, that waste volumes in the past have varied from month to month and year to year and volumes are also impacted by changes in the waste volume from the City's commercial customers. While the first five months indicate that the Curbside Program is reducing the waste volume, a full year of the Curbside Program is probably needed to determine a more accurate level of waste reduction and the impact it will have on the waste volume going to the Landfill. As a preliminary estimate, however, using the 352 tons of waste reduction in the first five months as a basis for the estimate, the impact would be as follows:

Estimated Annual Waste Reduction with Curbside Recycling (352 divided by 5 x 12)	845 tons
Percent Reduction from FY 2009/2010 Actual Waste Volume from the City Refuse operation (845 tons divided by 8,535 tons)	9.9% reduction
Reduced Payments from Refuse Collection Fund to the Transfer Station (845 tons x \$60)	\$50,700
Reduced Revenue to Transfer Station (Transfer Station portion of rate – 854 tons x \$20)	\$16,900 *
Reduced Revenue to the Landfill Fund (Landfill portion of rate – 854 tons x \$40)	\$33,800
Landfill Revenue Impact net of reduced surcharge fees (\$33,800 minus (\$3.65/ton x 845 tons))	\$30,716 **

* Transfer station hauling costs will be somewhat lower with the reduced waste volume

** The waste volume reduction will also extend the life of the current landfill cells

The middle section of Schedule IV shows the tons of recycling from the former drop-off trailer recycling program. These trailers were used by non-City residents and businesses, in addition to regular City residential users. With the Curbside Recycling Program, all except the one trailer at the Transfer Station have been eliminated.

The right hand portion of this schedule shows the tons from the Curbside Recycling Program for the first five months of operation. A total of 516.33 tons were collected during these months for an average of 103 tons per month. While this is higher than the "rough" estimate of 352 ton reduction in refuse from City refuse collection customers, additional months of operation are needed to determine a better estimate for the actual waste reduction resulting from the Curbside program.

Summary:

Please include this memo with the attachments for review at the September 8, 2011 In Depth Council meeting. If there are any questions, please contact me.

Landfill Operations
Preliminary Future Year Projections

**If 35000 Tons (Assumes 21000 tons at \$40 of the \$60 Regular Rate
9000 tons at \$30 of the \$50 Industrial Rate plus Additional Industrial Volume/Revenue)**

Committee Recommended Changes *

			Budget 2010/2011	Preliminary 2011/2012	Preliminary 2012/2013	Preliminary 2013/2014	Preliminary 2014/2015	Preliminary 2015/2016	Preliminary 2016/2017	Preliminary 2017/2018	Preliminary 2018/2019	Preliminary 2019/2020	Preliminary 2020/2021	Preliminary 2021/2022
Estimated Beginning Balance (Deficit), July 1 (Estimated 7-1-10)			\$ (2,483,802)	\$ (2,094,252)	\$ (1,707,602)	\$ (1,339,352)	\$ (990,102)	\$ (660,352)	\$ (350,702)	\$ (611,752)	\$ (894,102)	\$ (648,452)	\$ (425,402)	\$ (225,652)
Revenues	Tons	Rate												
Charges for Services (21000 tons x \$40 plus 9000 tons x \$30 Industrial Rate)	21,000	\$ 40.00	\$ 840,000	\$ 840,000	\$ 840,000	\$ 840,000	\$ 840,000	\$ 840,000	\$ 840,000	\$ 840,000	\$ 840,000	\$ 840,000	\$ 840,000	\$ 840,000
Current Estimated Industrial Waste Volume/Revenue	9,000	\$ 30.00	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000	270,000
* Preliminary Commitments for New Waste Volume and/or Revenue	5,000	Varied	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000	180,000
Total Charges for Services	35,000		\$ 1,290,000	\$ 1,290,000	\$ 1,290,000	\$ 1,290,000	\$ 1,290,000	\$ 1,290,000	\$ 1,290,000	\$ 1,290,000	\$ 1,290,000	\$ 1,290,000	\$ 1,290,000	\$ 1,290,000
Agency Assessment			117,200	117,200	117,200	117,200	117,200	117,200	117,200	117,200	117,200	117,200	117,200	117,200
Transfers In: Landfill Surcharge Reserve	35,000	\$ 0.50	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500
Total Revenues			\$ 1,424,700	\$ 1,424,700	\$ 1,424,700	\$ 1,424,700	\$ 1,424,700	\$ 1,424,700	\$ 1,424,700	\$ 1,424,700	\$ 1,424,700	\$ 1,424,700	\$ 1,424,700	\$ 1,424,700
Funds Available			\$ (1,059,102)	\$ (669,552)	\$ (282,902)	\$ 85,348	\$ 434,598	\$ 764,348	\$ 1,073,998	\$ 812,948	\$ 530,598	\$ 776,248	\$ 999,298	\$ 1,199,048
Expenditures														
Fixed Costs (Assumes Inc. 3%/year)			\$ 595,700	\$ 613,600	\$ 632,000	\$ 651,000	\$ 670,500	\$ 690,600	\$ 711,300	\$ 732,600	\$ 754,600	\$ 777,200	\$ 800,500	\$ 824,500
Variable Costs (Based on 35,000 tons)	35,000	\$ 9.98	349,450	349,450	349,450	349,450	349,450	349,450	349,450	349,450	349,450	349,450	349,450	349,450
* Budgeted FY 11 Capital Costs (as revised)			90,000											
* Future Year Annual Allowance for Capital Costs (Excluding New Cell Development Costs)			-	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
Estimated New Cell Development Costs	\$1,100,000		-	-	-	-	-	-	550,000 *	550,000 *	-	-	-	-
Total Expenditures			\$ 1,035,150	\$ 1,038,050	\$ 1,056,450	\$ 1,075,450	\$ 1,094,950	\$ 1,115,050	\$ 1,685,750	\$ 1,707,050	\$ 1,179,050	\$ 1,201,650	\$ 1,224,950	\$ 1,248,950
Ending Balance (Deficit), June 30			\$ (2,094,252)	\$ (1,707,602)	\$ (1,339,352)	\$ (990,102)	\$ (660,352)	\$ (350,702)	\$ (611,752)	\$ (894,102)	\$ (648,452)	\$ (425,402)	\$ (225,652)	\$ (49,902)

* Notes: The analysis assumes volume of 35,000 tons with 3,000 equivalent tons with surcharge only. Capital costs in FY 11 were reduced from \$150,000 to \$90,000.

* Inc. \$1,100,000 for next cell development

Future Year Annual Allowance for Capital Costs was reduced from \$100,000 to \$75,000.

Transfer station operating costs capped at \$600,000 with the contribution of \$50,000 TIF Fund Transfer.

Increase (Decrease) in Fund Balance	\$ 389,550	\$ 386,650	\$ 368,250	\$ 349,250	\$ 329,750	\$ 309,650	\$ (261,050)	\$ (282,350)	\$ 245,650	\$ 223,050	\$ 199,750	\$ 175,750
Cumulative Increase (Decrease) in Fund Balance	\$ 389,550	\$ 776,200	\$ 1,144,450	\$ 1,493,700	\$ 1,823,450	\$ 2,133,100	\$ 1,872,050	\$ 1,589,700	\$ 1,835,350	\$ 2,058,400	\$ 2,258,150	\$ 2,433,900

				Est'd Remaining Capacity
Estimated Tonnage Capacity of Phase III and IV Combined (per Engineer) (Began using in 2009)			298,800	
Actual FY 10 Tonnage (rounded)	New cell construction cost		30,000	268,800
Estimated FY 12	\$ -		35,000	233,800
Estimated FY 13	\$ -		35,000	198,800
Estimated FY 14	\$ -		35,000	163,800
Estimated FY 15	\$ -		35,000	128,800
Estimated FY 16	\$ -		35,000	93,800
Estimated FY 17	\$ 550,000		35,000	58,800
Estimated FY 18	\$ 550,000		35,000	23,800
Estimated FY 19	\$ -		35,000	(11,200)
Estimated Annual Tonnage Assumption for this Scenario			35,000	
Estimated Years of Life of Cell			8.54	
Added Capacity Cells V and VI (Projected)			600,000	
Estimated Annual Tonnage Assumption for this Scenario			35,000	
Estimated Years of Life of Cell (Cells V and VI)			17.14	

City of Muscatine
Transfer Station/Landfill Waste Volume and Revenue
Fiscal Year 2010/2011

Waste Volume (Tons)

	Regular Waste Volume	Volume Original Industrial Contracts				Volume Negotiated Industrial Contracts			Total Waste Volume
		Company A	Company B	Company C	Company D	Company A	Company B	Company C	
July, 2010	2,745.34	373.23	39.95	42.70	87.37	-	-	-	3,288.59
August	1,750.70	746.74	115.42	53.96	90.35	-	-	-	2,757.17
Sept.	1,829.12	680.67	13.50	43.78	73.25	-	-	-	2,640.32
Oct.	1,604.83	335.80	14.01	50.28	87.78	-	-	-	2,092.70
Nov.	1,551.80	375.74	17.99	60.46	94.58	-	66.95	-	2,167.52
Dec.	2,033.21	216.80	12.53	44.42	85.25	85.77	97.32	46.21	2,621.51
Jan., 2011	1,280.33	303.93	17.51	52.93	82.23	199.51	109.70	36.93	2,083.07
Feb.	1,273.31	289.88	14.85	36.74	85.81	177.64	112.83	30.60	2,021.66
March	1,734.51	340.22	18.64	62.37	99.02	233.59	143.20	78.45	2,710.00
April	2,146.49	1,056.90	16.90	52.33	87.53	201.42	102.73	43.06	3,707.36
May	1,651.05	436.97	17.35	52.96	76.71	253.31	110.58	37.00	2,635.93
June	1,951.84	253.23	15.36	57.15	95.89	211.71	126.98	54.75	2,766.91
Totals	21,552.53	5,410.11	314.01	610.08	1,045.77	1,362.95	870.29	327.00	31,492.74
	(Approx. amt - backed in to)								(Tons Reported to State)

MEMO ITEMS:**Contracted Minimum Annual**

Tonnage	250.00	250.00	250.00	250.00	1,500.00	250.00	1,000.00
					(One of these was 2,500, the other 1,500 per Comm. Est.)		

Total Tons by Agreement Type

	Regular Rate:	Total from Original Industrial Contracts:	Total from Negotiated Contracts:	
Totals (Actual)	21,552.53	7,379.97	2,560.24	31,492.74
Committee Est.	21,000.00	9,000.00	5,000.00 (Est. for Full Yr)	35,000.00

Transfer Station Revenue (Includes Amount Paid to the Landfill)

	Regular Waste Revenue	Revenue from Original Industrial Contracts				Revenue Negotiated Industrial Contracts			Total Tr. St. Revenue
		Company A	Company B	Company C	Company D	Company A	Company B	Company C	
July, 2010	\$ 164,720.40	\$ 18,661.50	\$ 1,997.50	\$ 2,135.00	\$ 4,368.50	\$ -	\$ -	\$ -	\$ 191,882.90
August	105,042.00	37,337.00	5,771.00	2,698.00	4,517.50	-	-	-	155,365.50
Sept.	109,747.20	34,033.50	675.00	2,189.00	3,662.50	-	-	-	150,307.20
Oct.	96,289.80	16,790.00	700.50	2,514.00	4,389.00	-	-	-	120,683.30
Nov.	93,108.00	18,787.00	899.50	3,023.00	4,729.00	-	2,008.50	-	122,555.00
Dec.	121,992.60	10,840.00	626.50	2,221.00	4,262.50	2,573.10	2,919.60	2,079.45	147,514.75
Jan., 2011	76,819.80	15,196.50	875.50	2,646.50	4,111.50	5,985.30	3,291.00	1,661.85	110,587.95
Feb.	76,398.60	14,494.00	742.50	1,837.00	4,290.50	5,329.20	3,384.90	1,377.00	107,853.70
March	104,070.60	17,011.00	932.00	3,118.50	4,951.00	7,007.70	4,296.00	3,530.25	144,917.05
April	128,789.40	52,845.00	845.00	2,616.50	4,376.50	6,042.60	3,081.90	1,937.70	200,534.60
May	99,063.00	21,848.50	867.50	2,648.00	3,835.50	7,599.30	3,317.40	1,665.00	140,844.20
June	117,110.40	12,661.50	768.00	2,857.50	4,794.50	6,351.30	3,809.40	2,463.75	150,816.35
Totals	<u>\$ 1,293,151.80</u> (Computed amount - varies slightly from actual)	<u>\$ 270,505.50</u>	<u>\$ 15,700.50</u>	<u>\$ 30,504.00</u>	<u>\$ 52,288.50</u>	<u>\$ 40,888.50</u>	<u>\$ 26,108.70</u>	<u>\$ 14,715.00</u>	<u>\$ 1,743,862.50</u> (Computed amount - varies slightly from actual)

Total Revenue by Agreement Type

	Regular Rate:	Total from Original Industrial Contracts:	Total from Negotiated Contracts:	
Totals (Actual)	\$ 1,293,151.80	\$ 368,998.50	\$ 81,712.20	<u>\$ 1,743,862.50</u>

Landfill Portion of Revenue

	Regular Waste Revenue	Revenue from Original Industrial Contracts				Revenue Negotiated Industrial Contracts			Total Landfill Revenue
		Company A	Company B	Company C	Company D	Company A	Company B	Company C	
July, 2010	\$ 109,813.60	\$ 11,196.90	\$ 1,198.50	\$ 1,281.00	\$ 2,621.10	\$ -	\$ -	\$ -	\$ 126,111.10
August	70,028.00	22,402.20	3,462.60	1,618.80	2,710.50	-	-	-	100,222.10
Sept.	73,164.80	20,420.10	405.00	1,313.40	2,197.50	-	-	-	97,500.80
Oct.	64,193.20	10,074.00	420.30	1,508.40	2,633.40	-	-	-	78,829.30
Nov.	62,072.00	11,272.20	539.70	1,813.80	2,837.40	-	2,008.50	-	80,543.60
Dec.	81,328.40	6,504.00	375.90	1,332.60	2,557.50	2,573.10	2,919.60	2,079.45	99,670.55
Jan., 2011	51,213.20	9,117.90	525.30	1,587.90	2,466.90	5,985.30	3,291.00	1,661.85	75,849.35
Feb.	50,932.40	8,696.40	445.50	1,102.20	2,574.30	5,329.20	3,384.90	1,377.00	73,841.90
March	69,380.40	10,206.60	559.20	1,871.10	2,970.60	7,007.70	4,296.00	3,530.25	99,821.85
April	85,859.60	31,707.00	507.00	1,569.90	2,625.90	6,042.60	3,081.90	1,937.70	133,331.60
May	66,042.00	13,109.01	520.50	1,588.80	2,301.30	7,599.30	3,317.40	1,665.00	96,143.31
June	78,073.60	7,596.90	460.80	1,714.50	2,876.70	6,351.30	3,809.40	2,463.75	103,346.95
Totals	<u>\$ 862,101.20</u> (Computed amount - varies slightly from actual)	<u>\$ 162,303.21</u>	<u>\$ 9,420.30</u>	<u>\$ 18,302.40</u>	<u>\$ 31,373.10</u>	<u>\$ 40,888.50</u>	<u>\$ 26,108.70</u>	<u>\$ 14,715.00</u>	<u>\$ 1,165,212.41</u>
Actual Landfill Charges									<u>1,162,105.95</u>
Difference (Assume tonnage reporting difference)									<u>\$ 3,106.46</u>
Total Revenue by Agreement Type									
	Regular Rate:	Total from Original Industrial Contracts:				Total from Negotiated Contracts:			
Totals (Actual)	\$ 862,101.20	\$ 221,399.01				\$ 81,712.20			<u>\$ 1,165,212.41</u>
Committee Est.	\$ 840,000.00	\$ 270,000.00				\$ 165,000.00 (Est. for Full Yr)			<u>\$ 1,275,000.00</u>

Prepared by: City Finance Dept. (NL)

Date: July 21, 2011

City of Muscatine Landfill Fund
Actual Revenues and Expenditures 2010/2011
and Updated Estimates for 2011/2012
(As of September 1, 2011 - Unaudited)

	Fiscal Year 2010/2011				Fiscal Year 2011/2012	
	Amended Budget 2010/2011	Actual 2010/2011	Variance Over (Under) Amended Budget	Actual as a Percent of Budget	Budget 2011/2012	Updated Estimates for Known Revisions
Beginning Balance (Deficit), July 1	\$ (2,512,600.00)	\$ (2,512,599.57)	\$ 0.43		\$ (2,175,472)	\$ (2,100,612)
Revenues						
Charges for Services	\$ 1,200,000.00	\$ 1,162,105.95	\$ (37,894.05)	96.84%	\$ 1,290,000	\$ 1,275,000
Agency Assessment	117,200.00	117,177.00	(23.00)	99.98%	117,200	117,200
Industry Contribution	-	15,000.00	15,000.00		-	15,000
Transfers In:						
Landfill Surcharge Reserve	17,500.00	\$ 15,746.47	(1,753.53)	89.98%	17,500	17,500
Total Revenues	\$ 1,334,700.00	\$ 1,310,029.42	\$ (24,670.58)	98.15%	\$ 1,424,700	\$ 1,424,700
Funds Available	\$ (1,177,900.00)	\$ (1,202,570.15)	\$ (24,670.15)		\$ (750,772)	\$ (750,772)
Expenditures						
Fixed Costs:						
Wages and Benefits	29,500.00	\$ 29,380.67	\$ (119.33)	99.60%	\$ 24,900	\$ 24,900
Misc. Administrative Expenses	3,100.00	2,490.94	(609.06)	80.35%	3,100	3,100
Misc. Supplies/Services	5,700.00	1,037.24	(4,662.76)	18.20%	5,200	5,200
Surfacing Materials-Slag/Sand	19,000.00	12,659.98	(6,340.02)	66.63%	19,000	19,000
Attorney Fees/Legal Services	29,400.00	34,096.32	4,696.32	115.97%	2,000	2,000
Engineering Consulting Services	40,000.00	37,342.55	(2,657.45)	93.36%	40,000	40,000
Lab Analysis Services	35,000.00	28,158.79	(6,841.21)	80.45%	35,000	35,000
Leachate Hauling Services	68,000.00	69,125.00	1,125.00	101.65%	75,000	75,000
Surfacing Materials Hauling	7,000.00	7,116.94	116.94	101.67%	(Inc. ^)	(Inc. ^)
Utilities	2,000.00	2,595.45	595.45	129.77%	2,000	2,000
Insurance	2,000.00	1,965.00	(35.00)	98.25%	2,100	2,100
Improvement/Repair Services	35,000.00	33,040.05	(1,959.95)	94.40%	25,500	25,500
Ravine Closure Costs	66,200.00	66,408.98	208.98	100.32%	-	-
Debt Service Transfers	120,122.00	120,122.00	-	100.00%	119,838	119,838
Administrative Transfers	45,400.00	45,400.00	-	100.00%	46,800	46,800
Closure Reserve Transfer	107,900.00	64,133.00	(43,767.00)	59.44%	107,900	70,000
Post-Closure Reserve Transfer	32,800.00	24,912.00	(7,888.00)	75.95%	32,800	30,000
Subtotal - Fixed Costs	\$ 648,122.00	\$ 579,984.91	\$ (68,137.09)	89.49%	\$ 541,138	\$ 500,438
Variable Costs:						
Landfill Operator	\$ 221,700.00	\$ 194,940.04	\$ (26,759.96)	87.93%	\$ 216,650	\$ 300,000 (1)
Landfill Operator Fuel Surcharge	(Inc. Above)	8,167.62	8,167.62		5,050	5,050
State Surcharge	73,500.00	66,135.15	(7,364.85)	89.98%	73,500	73,500
State Surcharge - Local Share	54,250.00	48,814.05	(5,435.95)	89.98%	54,250	54,250
Subtotal - Variable Costs	\$ 349,450.00	\$ 318,056.86	\$ (31,393.14)	91.02%	\$ 349,450	\$ 432,800
Total Expenditures	\$ 997,572.00	\$ 898,041.77	\$ (99,530.23)	90.02%	\$ 890,588	\$ 933,238
Ending Balance (Deficit), June 30	\$ (2,175,472.00)	\$ (2,100,611.92)	\$ 74,860.08		\$ (1,641,360)	\$ (1,684,010)
Increase (Decrease) in Fund Balance	\$ 337,128	\$ 411,988	\$ 74,860		\$ 534,112	\$ 416,602

1. Under the new contract with Dick Doyle Excavating, Inc., this will no longer be a variable cost based on tonnage. The new contract effective July 1, 2011 provides for a payment of \$25,000 per month for tonnage up to 50,000 on an annual basis.

Prepared by: City Finance Dept. (NL)

Date: July 21, 2011 (updated August 8, 2011 and September 1, 2011)

City of Muscatine
Refuse Collection Operations
Tons of Waste Collected and Recycled
Recent Years Actual Tonnage and FY 2011/2012 through August 31, 2011

	Tons of Waste Collected by City Refuse Vehicles						Tons of Recycling from Dropoff Trailers & Curbside Cardboard *				Tons of Recycling from Contracted Curbside Program			
	Actual Tons 2007/2008	Actual Tons 2008/2009	Actual Tons 2009/2010	Actual Tons 2010/2011 (2)	To Date 2011/2012 (2)	1st Five Mos. Change with Curbside Recycling	Actual Tons 2009/2010 *	Actual Tons 2010/2011 (2) *	To Date 2011/2012 (2)	1st Five Mos. Change with Curbside	Actual Tons 2009/2010	Actual Tons 2010/2011 (2)	To Date 2011/2012 (2)	1st Five Mos. Change with Curbside
July	752.57	727.65	735.78	699.01	598.63	(100.38)	89.23	98.97	23.71	(75.26)	-	-	116.51	116.51
August	836.75	495.34	720.09	730.46	701.67	(28.79)	98.29	104.03	21.00	(83.03)	-	-	105.48	105.48
September	644.75	684.84	696.72	691.75			92.03	96.73			-	-		
October	729.76	706.57	695.46	640.96			95.50	83.70			-	-		
November	710.95	587.02	661.92	697.05			114.20	97.42			-	-		
December	629.09	728.56	687.69	668.14			111.10	101.66			-	-		
January	681.39	578.42	580.77	643.52			88.59	82.99			-	-		
February	551.73	558.83	529.17	557.17			75.03	75.09			-	-		
March	652.69	654.04	715.09	669.95			113.24	78.42			-	-		
April	1,110.88	1,008.24	1,106.78	973.75		(133.03)	106.82	31.34		(75.48)	-	91.54		91.54
May	717.68	674.74	638.04	650.10		12.06	100.83	19.78		(81.05)	-	94.61		94.61
June	712.94	724.33	767.55	665.55		(102.00)	117.36	21.76		(95.60)	-	108.19		108.19
Total Tons (1)	8,731.18	8,128.58	8,535.06	8,287.41	1,300.30	(352.14)	1,202.22	891.89	44.71	(410.42)	-	294.34	221.99	516.33
Rate per Ton	\$ 41.00	\$ 41.00	\$ 60.00	\$ 60.00	\$ 60.00	\$ 60.00	* Includes curbside collection of cardboard for a portion of these years. The former trailer locations were used by non-residents and businesses as well as City regular residential customers.							
Refuse Collection Fund														
Payments to Transfer Station Fund/Landfill	\$ 357,978.02	\$ 333,271.63	\$ 512,104.00	\$ 497,244.80	\$ 78,018.20	\$ (21,128.20)								
						(for 5 months)								
Fees Allocated to:														
Transfer Station	\$ 218,279.28	\$ 203,214.41	\$ 170,701.33	\$ 165,748.27	\$ 26,006.07									
Landfill Fund	139,698.74	130,057.22	341,402.67	331,496.53	52,012.13									
Total	\$ 357,978.02	\$ 333,271.63	\$ 512,104.00	\$ 497,244.80	\$ 78,018.20									

1. Tons have varied from 8,129 to 8,731 in recent years. This is in part due to changes in waste volume from the City's commercial waste customers.
2. The City's Curbside Recycling Program began April 1, 2011. The recycling trailers located throughout the community were eliminated at that time with the exception of one trailer located at the Transfer Station. Highlighted areas above reflect refuse and recycling volumes after implementation of the Curbside Recycling Program.