



Monroe County  
Solid Waste Management District

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# **BUSINESS PLAN for a MATERIALS RECOVERY FACILITY**

For Presentation to the  
District Board of Directors  
July 14, 2011

## **Executive Summary**

The core mission of the Monroe County Solid Waste Management District (“the District”) is to reduce the amount of waste going to final disposal. The primary way to fulfill this core mission has always been for the District to provide free disposal of recyclables to the general public as well as industry. For the past several years, the District has been outsourcing the processing of recyclables, causing the District to provide this service at a substantial deficit.

By constructing its own Materials Recovery Facility (“MRF”), the District believes that it can provide this same service more efficiently while significantly reducing the deficit.

This Business Plan clearly demonstrates that the District will be well served by owning and operating its own Materials Recovery Facility. The undertaking is considered a part of the District’s core function and has been incorporated in its twenty year plan.

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# 1. Introduction

The Monroe County Solid Waste Management District (“the District”) was organized in 1990 by Indiana Code. The District proactively works with Monroe County residents, businesses, and community organizations to reduce the amount of waste going to final disposal (landfills and incinerators) through education, source reduction, reuse, and recycling. The District strives to ensure that recyclable material and environmentally harmful material is handled in an environmentally, socially and economically responsible manner.

This document proposes that the District build and operate a Materials Recovery Facility (“MRF”) -- something it has done twice in its past with success.

## **Background**

The District’s first MRF was located at 1611 S. Rogers Street from August 1991 through June 1996. It was a multi-commodity operation. The MRF processed recyclables from the City of Bloomington (COB), Indiana University, and District collection sites that averaged 5,972 tons of recyclables annually; the records indicate that the District obtained \$307,850 from sales of recyclables.

In 1996 the District purchased about 3.5 acres of land from COB Utilities at 3400 S. Walnut for \$160,200 and in June the District relocated to the new site. The original concept there did incorporate a MRF. However, when construction started it was determined that the Administration Building needed to be rotated from an east/west facing to a north/south facing. This change took away valuable space and a MRF could not be built.

The second MRF was located at the Monroe County Landfill, 7740 N. Fish Rd and opened on March 5, 2001. This MRF processed only fiber products from IU and District sites. The second MRF processed 625 tons of fiber in 2002 and 1,627 tons of fiber in 2003 with annual sales of fiber products ranging from \$57,348 in 2002 to \$73,687 in 2004. The fire at the Landfill placed the District in a financial hardship which resulted in employee reductions of greater than 50% and the closing of the MRF. With less than six months of operation in 2004, the MRF still had fiber sales greater than that of 2002 and was well on its way to exceed \$100,000 of sales.

Many nearby counties (Brown, Lawrence, Martin, Bartholomew) and towns (Seymour, Spencer) currently operate MRFs of their own.

## 2. Current Operation

The District is comprised of five separate facilities with integrated recyclables collection capability. The facilities are designed specifically for the needs of the Monroe County community. The District also owns a closed Landfill.

The **Central Station Facility (Central Station)** is a multifaceted facility. It houses a Household Hazardous Waste (HHW) collection site, a Green Business Network (GBN) operation center and is a central collection facility for recyclables. The Green Business Network collects recyclables from a variety of businesses within Monroe County. These recyclables are sorted at Central Station and then transported to a commercial processing

facility for baling. The Administration building is also at this location. This facility was built in 1996.

The four **Rural Recycling and Solid Waste Stations (RSWS)** are strategically positioned in the County on major highway arteries. These RSWS collect recyclables, limited amounts of HHW and domestic household waste from residents within the rural communities of Monroe County.

The **Monroe County Landfill** was closed for business in 2004. The Landfill continues to be maintained by the District and is monitored by the Indiana Department of Environmental Management (IDEM).

### ***Current Recycling Capacity***

The District's Central Station operates 10 hours a day, 5 days per week; two of the four RSWS's operate 11 hours a day, three days a week and the remaining two operate 11 hours a day, two days a week.

In 2010, the District collected 2,858 tons of recyclable materials, an average of 55 tons per week. This material breaks down into:

- 772 tons of Old Corrugated Cardboard (OCC)
- 495 tons of Newspaper
- 368 tons of Mixed Paper/ Magazines
- 22 tons of Sorted White Office Paper (SOP)
- 59 tons of Books
- 176 tons of Steel
- 45 tons of Aluminum
- 668 tons of Glass
- 253 tons of Plastics

## **3. Market Analysis**

### ***History from the 2004 Closure of the Landfill***

For the past four years (2005-2008) the District has outsourced the processing of 11,575 tons of recyclable materials (paper, cardboard, aluminum and plastic). The total value of the recycled commodities as identified by the last four years from Midwest/Central Commodities Market data (Appendix 4) was more than \$1.25 million. The District received a rebate for these commodities of approximately \$275,000. This outsourcing has cost the District almost \$1 million in revenue, lost to processing and marketing fees.

### ***Since The 2008 Recession***

The recycling commodities markets saw a near-total collapse in 2008 when the recession hit. The prices of fiber products, for example, dropped to \$40 a ton during the week of October 31, 2008 and continued to fall as low as \$25 a ton through January 2009.

Prices have resumed a slow uphill climb, with the value of our 2009 tonnage of 2,931 being worth \$84,802 on the Midwest/Central Commodities Market and we only received \$22,016 from our vendors. For 2010 our tonnage of 2,858 tons and was worth \$206,759 on the Midwest/Central Commodities Market, again we less than half of the market value \$95,739. As you can see clearly the values of recycling has rebound and the future demand for processed commodities remains strong.

### ***Local Service-Provider Competition Has Returned***

At the time of the Landfill closure, the only hauler in a position to provide comprehensive services to the District was Hoosier Disposal. The transfer station currently used by the District, the City of Bloomington and other customers was built by the Louisville-based firm Rumpke, which sold it to Hoosier in 2003. The sale included a five-year non-compete clause.

Since last 2009, the District has had options for hauling and disposal of municipal solid waste as well as recycling, and no longer has to accept an all-or-nothing requirement from a company (as Hoosier made in its response to the District's RFP process earlier this summer). These new options are helping to make this plan feasible.

### ***Future Projection of Required MRF Capacity***

The current sluggish economy does not suggest significant growth in the immediate future. The 2010 US Censes for Monroe County shows that the population served by the District has experienced a 14.4% growth over the last ten years. Over the past two years the quantity of recyclables processed by the District has remained relatively constant. As the District continues to expand the new facility should be capable of processing a minimum of 70 tons per week.

## **4. The Proposal**

### ***Building Acquisition***

It is proposed that the District would purchase a facility that is capable of processing a minimum of 70 tons a week of recycled materials, which will serve the District's needs for the next 10 years based on the current projected growth trends from the Indiana Business Research Center. The facility would also be designed with built-in redundancy provisions to ensure that the plant can continue to receive and process recyclables during periods of machine breakdowns and maintenance.

The facility would provide for an educational observation room for students, clubs and community to observe the recycling processes, and office space for the maintenance of records and general daily operational files.

The facility will consist of at least 45,000 sq ft. with a purchase price not to exceed \$850,000 (Appendix 3). The District currently has a located a suitable facility location, that also has 6.5 acres of ground and a rail-spur.

## ***Equipment Acquisition***

The District would move an existing forklift truck and front-loader Bobcat from Central Station and another Bobcat with grabbing hooks from the Landfill maintenance building. The five Green Business trucks would be moved to the MRF.

The District would lease/purchase two baling machines. A two-baler operation would allow a minimum production rate of 2 tons per hour, by running two parallel processing lines, one for fiber, one for plastics, we could maintain our pristine commodities line. The horizontal balers could be on a lease-purchase option and shall not exceed \$1,790 per baler per month (Appendix 2). The District has a proposal from Quincy Recycling for both the lease-purchase of equipment and the marketing of commodities.

By building an inexpensive hopper inside the MRF, the District would be able to sort commingled non-fiber recycling from other recycling collection vendors thus significantly increasing the revenue for the District.

Upon written approval from the Board of Directors, the District expects the facility to be operational within 120 days.

## ***Sale of Recyclables***

Currently the majority of recyclables collected by the District are transported to a commercial business for processing and marketing. This action started in 1996 when the District moved to 3400 S. Walnut Street and did not build a MRF there. Glass and metal are the only recyclable that the District markets locally.

Most income-generating commodities from a District-operated MRF will be marketed on the District's behalf on the Midwest / Central Commodities Exchange. The District will negotiate to retain the highest possible market value of commodities sold there. Some commodities will be sold to local businesses while others will be marketed to businesses in Indianapolis. It will be a goal of the District to strive to market commodities as locally as possible in order to reduce the District's current carbon footprint.

## **5. Financial**

### ***Capital Costs***

The capital required for this project is very reasonable. The project has been designed to have a minimum twenty-year life span. The District has identified a vendor willing to provide lease-purchase options for the balers (5 years with Quincy Recycling at \$21,600 annually per baler, who would also market the output), requiring virtually no down payments. The remaining capital costs for the facility could be accomplished by the sale of our Administrative facility at 3400 S. Walnut.

The savings from processing all of the District's recyclables in its own MRF would be immediate and substantial. Appendix 1 shows that cash flow from the District's more cost-effectively processed recyclables would more than cover the monthly capital cost and interest payments, reducing the deficit currently incurred by the District's recycling program in month one.

The start-up costs for year one would be \$48,509 and the subsequent years annual payment on the facility and equipment would be \$36,109.

- A sample of a 20-year financing by German American Bank Corp (GABC) is at \$36,109 annually (see Appendix 2 , baler purchase and Appendix 3 cash flow data sheet)
- Legal and investigation costs: \$2,400.00
- Clean, repair & remodel of the building: \$10,000

## **Operating Costs**

The annual gross operating costs are expected to be \$597,546 (see Appendix 1). Again, all capital and interest has been treated as an operating cost; the full-cost impact of the facility has been considered in this figure.

The District will run the facility and manage the day-to-day operations. The facility is designed to operate with five employees (the three GBN employees and two from the Central Station facility). There would be no net increase in overall District staff.

Multi-baler operation allows for the continued operation and processing of recyclables in the event that one baler has a major breakdown.

The most critical component to this Plan, the revenue generated from the sale of recyclables, has been projected at \$381,947 annually (about \$125 per ton). This amount represents the current market value using 2011 price trends. Should commodity prices fall to the worst levels in recent history, as seen in 2008, they would drop from this projection by only 37% (to \$129,809, or \$48 per ton). It is very unlikely that they will fall that low in the foreseeable future. Appendix 1 demonstrates the viability of the MRF's operation even under the worst market conditions.

Furthermore, Quincy Recycling has committed to receiving our recyclables for three years, regardless of market prices. Should markets completely dry up, the MRF will be viable.

## **6. Analysis**

### **Strengths**

- Significant reductions in the environmental impacts associated with final disposal and ground water pollution.
- Continued high quality educational outreach programs targeted at the two community school corporations, organizations and the adult community. Additional revenue will enable the District to enhance other outreach programs.
- More immediate and satisfactory proof to the community for the fulfillment of its aspirations and attitudes with respect to waste management, protection of the environment, and sustainability.
- Facility will have minimum annual capacity of 2,700 tons, but has the capability to increase capacity to 5,400 tons. This will enable the District to provide recycling assistance to other governmental agencies.
- The two-baler operation will enable the District to continue processing in the event of a failure in fiber or plastics feed lines.

- Higher quality of recyclables processed, managed with a strong QA program, will improve their sale value.
- Having a MRF will place the District in a much better financial position in the event that the District's tax levy is reduced or eliminated.
- Recyclables will have a positive revenue value, and will also reinforce to the community that "together we can reduce the waste stream."

### ***Weaknesses***

- Income from the sale of recyclables is subject to the commodity markets over which the District has no control; this can be mitigated to a certain extent with long-term sales contracts.
- Cash flow continues to impact the District's ability to move forward.
- Potential negative impact on local recycling programs.

### ***Opportunities***

- Processing services for other governmental agencies.
- An educational platform for schools and other organizations to develop and improve resource recovery rates through direct observation of the second phase of the recycling process.
- The District can increase its intellectual assets base, and can re-position itself as a leader in the waste management industry within the state.

### ***Threats***

- Municipal Solid Waste Host Fee has no bearing on this business plan.
- Unexpected increases in the cost of service
- Major breakdowns
- Poor product quality.

## **7. Conclusions**

The District's mission is to reduce the amount of waste that goes to final disposal. As such it must do more than just encourage the recycling process. With a MRF, the District would be able to guarantee that it can continue to provide free acceptance of clean recyclable materials.

### ***Effect on Customers***

Under this plan, local businesses entrepreneurs and small haulers will be able to dispose of their sorted recyclables for free. The MRF could generate revenue rather than expense for local customers.

### ***Effect on the District***

The establishment of the MRF, coupled with its relatively easy projected success, would guarantee the District to keep its existing level of recycling services and programs, most notably the Green Business Network. Without a MRF these services and programs could cease due to the decrease in revenue from taxes and the end of IDEM grants the District received.

The 6.9 acre MRF complex would allow the District to explore the possibility of taking recyclable materials it currently cannot, such as asphalt shingles, construction materials, carpet, latex paint and mattresses.

Most importantly, this proposal would advance the District's mission: the sustainability of the community would be significantly increased, improving the environment and saving the public money at the same time.

MCSWMD Plan for a Materials  
Recovery Facility (MRF)  
Appendix 1: Annual Operating Cost

**Part A: 2010 Actual** All the line items from the District's budget involved in the current recycling operation can be found in Part A below. The "contracted vendor" in all cases is Republic, doing business locally as Hoosier Disposal. The District currently runs a deficit of almost half a million dollars annually.

			A	
BUDGET LINE #	DESCRIPTION		2010 ACTUAL	NOTES
<b>Revenues</b>				
34295	GBN Memberships (GBN)		\$26,300	59 GBN Members
37100	Sale of Fiber Recyclables		\$32,703	Revenue received from contracted vendor for 1,710.35 tons
37100	Sale of Aluminum		\$47,808	Revenue received from contracted vendor for 45.29 tons
37100	Sale of Metals		\$20,409	Revenue received from contracted vendor for 185.64 tons
37100	Sale of Plastic		\$0	Revenue received from contracted vendor for 258.36 tons
37105	Sale of Glass		\$15,204	Revenue received from contracted vendor for 643.73 tons
		<b>REVENUES TOTAL</b>	<b>\$142,424</b>	
<b>Expenses</b>				
41000	Labor		\$358,211	
42231	Fuel (GBN)		\$7,212	
43310	Legal		\$0	
43420	Liability Insurance (MRF)		\$0	
43500	Utilities (Central Station)		\$7,944	Annual gas, electric and water cost
43500	Utilities (MRF)		\$0	
43610	Building Repair and Maintenance		\$7,620	
43640	GBN Vehicle Repair & Maint		\$6,256	Annual cost for repairs on 2 medium-duty trucks
43939	Disposal Processing Fee		\$98,566	Contracted proecessing fees for 1,968.71 tons of recyclables
43942	Transport of Recyclables to vendor		\$122,339	Contracted hauling fees for all recycling
43943	Transport of Glass to Indy		\$19,750	
44200	Lease of Building		\$0	
44400	Lease of Equipment		\$0	
		<b>EXPENSES TOTAL</b>	<b>\$627,898</b>	
		<b>NET PROFIT (LOSS)</b>	<b>(\$485,474)</b>	

MCSWMD Plan for a Materials  
Recovery Facility (MRF)  
Appendix 1: Annual Operating Cost

**Part B1: Fiscal 2011 Projected**

BUDGET LINE #	DESCRIPTION	A 2010 ACTUAL	B1 2011 PROJ.	NOTES
<b>Revenues</b>				
34295	GBN Memberships (GBN)	\$26,300	\$28,200	
37100	Sale of Fiber Recyclables	\$32,703	\$41,132	
37100	Sale of Aluminum	\$47,808	\$62,268	
37100	Sale of Metals	\$20,409	\$26,663	
37100	Sale of Plastic	\$0	\$0	
37105	Sale of Glass	\$15,204	\$15,257	Est. 2011 revenue from contracted vendor for 605.85 tons
	<b>REVENUES TOTAL</b>	<b>\$142,424</b>	<b>\$173,519</b>	
<b>Expenses</b>				
41000	Labor	\$358,211	\$373,974	
42231	Fuel (GBN)	\$7,212	\$6,620	Based on first 5 months of 2011
43110	Legal	\$0	\$0	
43420	Liability Insurance (MRF)	\$0	\$0	
43500	Utilities (Central Station)	\$7,944	\$11,781	Based on first 5 months of 2011 for gas, water, & electric
43500	Utilities (MRF)	\$0	\$0	
43610	Building Repair and Maintenance	\$7,620	\$7,620	
43640	GBN Vehicle Repair & Maint	\$6,256	\$5,000	Annual cost for repairs on 2 medium-duty trucks
43939	Disposal Processing Fee	\$98,566	\$96,120	Est. Contracted proprocessing fees fbased on first 5 months
43942	Transport of Recyclables	\$122,339	\$122,286	Est. contractor's hauling fees for all recycling based of First 5 months
43943	Transport of Glass to Indy	\$19,750	\$18,960	Est. Current contractor's hauling fees for glass
44200	Lease of Building	\$0	\$0	
44400	Lease of Equipment	\$0	\$0	
	<b>EXPENSES TOTAL</b>	<b>\$627,898</b>	<b>\$642,361</b>	
	<b>NET PROFIT/LOSS</b>	<b>(\$485,474)</b>	<b>(\$468,842)</b>	
	<b>SAVINGS OVER 2010</b>		<b>\$16,632</b>	
			<b>3%</b>	"2011 projection" is for 12-month period beginning Jan. 2011

MCSWMD Plan for a Materials  
Recovery Facility (MRF)  
Appendix 1: Annual Operating Cost

**Part B2: Fiscal 2011 Projected With Proposed Hoosier Contract**

BUDGET LINE #	DESCRIPTION	A 2010 ACTUAL	B1 2011 PROJ.	B2 2011 PROJ New Hoosier Contract	NOTES
<b>Revenue</b>					
34295	GBN Memberships (GBN)	\$26,300	\$28,200	\$28,200	
37100	Sale of Fiber Recyclables	\$32,703	\$41,132	\$95,531	
37100	Sale of Aluminum	\$47,808	\$62,268	\$40,473	
37100	Sale of Metals	\$20,409	\$26,663	\$26,663	
37100	Sale of Plastic	\$0 #	\$0	\$29,249	
37105	Sale of Glass	\$15,204	\$15,257	\$15,257	
	<b>REVENUES TOTAL</b>	<b>\$142,424</b>	<b>\$173,519</b>	<b>\$235,372</b>	
<b>Expense</b>					
41000	Labor	\$358,211	\$373,974	\$373,974	
42231	Fuel (GBN)	\$7,212	\$6,620	\$6,620	
43110	Legal	\$0	\$0	\$0	
43420	Liability Insurance (MRF)	\$0	\$0	\$0	0
43500	Utilities (Central Station)	\$7,944	\$11,781	\$11,781	
43500	Utilities (MRF)	\$0	\$0	\$0	
43610	Building Repair and Maintenance	\$7,620	\$7,620	\$7,620	
43640	GBN Vehicle Repair & Maint	\$6,256	\$5,000	\$5,000	
43939	Disposal Processing Fee	\$98,566	\$96,120	\$0	
43942	Transport of Recyclables	\$122,339	\$122,286	\$103,200	New contractor's hauling fees
43943	Transport of Glass to Indpls	\$19,750	\$18,960	\$18,960	
44200	Lease of Building	\$0	\$0	\$0	
44400	Lease of Equipment	\$0	\$0	\$0	
	<b>EXPENSES TOTAL</b>	<b>\$627,898</b>	<b>\$642,361</b>	<b>\$527,156</b>	
	<b>NET PROFIT/LOSS</b>	<b>(\$485,474)</b>	<b>(\$468,842)</b>	<b>(\$291,783)</b>	
	<b>SAVINGS OVER 2010</b>		\$16,632	\$193,691	
			3%	40%	
	<b>SAVINGS OVER CURRENT VENDOR</b>			<b>\$177,059</b>	
				38%	

MCSWMD Plan for a Materials  
Recovery Facility (MRF)  
Appendix 1: Annual Operating Cost

Part C1: Fiscal 2011 if MRF was established January 1, 2011.

BUDGET LINE #	DESCRIPTION	A	B1	B2	C1	NOTES
		2010 ACTUAL	2011 PROJ.	2011 PROJ New	2011 W/ MRF	
<b>Revenues</b>						
34295	GBN Memberships (GBN)	\$26,300	\$28,200	\$28,200	\$28,200	
37100	Sale of Fiber Recyclables	\$32,703	\$41,132	\$95,531	\$191,062	
37100	Sale of Aluminum	\$47,808	\$62,268	\$40,473	\$62,268	
37100	Sale of Metals	\$20,409	\$26,663	\$26,663	\$26,663	
37100	Sale of Plastic	\$0	\$0	\$29,249	\$58,497	
37105	Sale of Glass	\$15,204	\$15,257	\$15,257	\$15,257	
	<b>REVENUES TOTAL</b>	<b>\$142,424</b>	<b>\$173,519</b>	<b>\$235,372</b>	<b>\$381,947</b>	
<b>Expenses</b>						
41000	Labor	\$358,211	\$373,974	\$373,974	\$373,974	
42231	Fuel (GBN)	\$7,212	\$6,620	\$6,620	\$5,793	
43110	Legal	\$0	\$0	\$0	\$2,400	
43420	Liability Insurance (MRF)	\$0	\$0	\$0	\$5,000	Estimated
43500	Utilities (Central Station)	\$7,944	\$11,781	\$11,781	\$11,450	
43500	Utilities (MRF)	\$0	\$0	\$0	\$25,000	Estimated
43610	Building Repair and Maintenance	\$7,620	\$7,620	\$7,620	\$17,620	Estimated
43640	GBN Vehicle Repair & Maint	\$6,256	\$5,000	\$5,000	\$4,500	
43939	Disposal Processing Fee	\$98,566	\$96,120	\$0	\$0	
43942	Transport of Recyclables	\$122,339	\$122,286	\$103,200	\$103,200	
43943	Transport of Glass to Indpls (50 trips)	\$19,750	\$18,960	\$18,960	\$12,500	Est. \$250/trip
44200	Lease/Purchase of Building & Equip	\$0	\$0	\$0	\$36,109	Est. for 20 years
	<b>EXPENSES TOTAL</b>	<b>\$627,898</b>	<b>\$642,361</b>	<b>\$527,156</b>	<b>\$597,546</b>	
	<b>NET PROFIT/LOSS</b>	<b>(\$485,474)</b>	<b>(\$468,842)</b>	<b>(\$291,783)</b>	<b>(\$215,599)</b>	
	<b>SAVINGS OVER 2010</b>		\$16,632	\$193,690	\$269,875	
			3%	40%	56%	
	<b>SAVINGS OVER CURRENT VENDOR</b>			\$177,059		
				38%		



Date: June 28, 2011

Attn: Larry D. Barker  
Monroe County Solid Waste Management District  
Bloomington, IN

From: Jerrod Evans  
Quincy Recycle

RE: Recycling Proposal

- Quincy Recycle will supply two horizontal Excel EX63 balers and inground conveyors for Monroe County (See attached sheet with baler specifications).
- Quincy Recycle will pay for the delivery and installation of the balers, not including electrical hookup. Monroe County will pay for electrical hookup.

Purchase Options:

- Monroe County can purchase the baler and conveyor package for \$84,512 per unit outright plus \$7,500 for delivery and installation.
- QRP can finance the baling equipment for 8% - The total cost for 2 units will be \$176,524 – Monthly payments would be \$3,579.27 for 60 months.

Marketing Rights:

- Quincy Recycle will have exclusive marketing rights for 100 % of Monroe County's paper and plastic for the later of:
  - Three years from the date the balers are purchased.
- Quincy Recycle will provide OBM based pricing to Monroe County and will pay no less than 100 % of the Midwest Commodities Exchange Market price for those grades for full mill direct shipments of single commodity
- Combination loads will be priced based on market conditions.

Sample Nominal Annual Rate: 5.000 %

CASH FLOW DATA

	Event	Date	Amount	Number	Period	End Date
1	Lease	07/01/2009	450,000.00	1		
2	Lease Payment	07/01/2010	36,109.16	20	Annual	07/01/2029

Payments may change every 5 years based upon rate adjustments which are disclosed in exhibit "B"

AMORTIZATION SCHEDULE - Normal Amortization

	Date	Lease Payment	Interest	Principal	Balance
Lease	07/01/2009				450,000.00
2009 Totals		0.00	0.00	0.00	
1	07/01/2010	36,109.16	22,500.00	13,609.16	436,390.84
2010 Totals		36,109.16	22,500.00	13,609.16	
2	07/01/2011	36,109.16	21,819.54	14,289.62	422,101.22
2011 Totals		36,109.16	21,819.54	14,289.62	
3	07/01/2012	36,109.16	21,105.06	15,004.10	407,097.12
2012 Totals		36,109.16	21,105.06	15,004.10	
4	07/01/2013	36,109.16	20,354.86	15,754.30	391,342.82
2013 Totals		36,109.16	20,354.86	15,754.30	
5	07/01/2014	36,109.16	19,567.14	16,542.02	374,800.80
2014 Totals		36,109.16	19,567.14	16,542.02	
6	07/01/2015	36,109.16	18,740.04	17,369.12	357,431.68
2015 Totals		36,109.16	18,740.04	17,369.12	
7	07/01/2016	36,109.16	17,871.58	18,237.58	339,194.10
2016 Totals		36,109.16	17,871.58	18,237.58	
8	07/01/2017	36,109.16	16,959.71	19,149.45	320,044.65
2017 Totals		36,109.16	16,959.71	19,149.45	
9	07/01/2018	36,109.16	16,002.23	20,106.93	299,937.72
2018 Totals		36,109.16	16,002.23	20,106.93	
10	07/01/2019	36,109.16	14,996.89	21,112.27	278,825.45
2019 Totals		36,109.16	14,996.89	21,112.27	
11	07/01/2020	36,109.16	13,941.27	22,167.89	256,657.56
2020 Totals		36,109.16	13,941.27	22,167.89	
12	07/01/2021	36,109.16	12,832.88	23,276.28	233,381.28
2021 Totals		36,109.16	12,832.88	23,276.28	
13	07/01/2022	36,109.16	11,669.06	24,440.10	208,941.18
2022 Totals		36,109.16	11,669.06	24,440.10	
14	07/01/2023	36,109.16	10,447.06	25,662.10	183,279.08
2023 Totals		36,109.16	10,447.06	25,662.10	
15	07/01/2024	36,109.16	9,163.95	26,945.21	156,333.87
2024 Totals		36,109.16	9,163.95	26,945.21	
16	07/01/2025	36,109.16	7,816.69	28,292.47	128,041.40
2025 Totals		36,109.16	7,816.69	28,292.47	
17	07/01/2026	36,109.16	6,402.07	29,707.09	98,334.31
2026 Totals		36,109.16	6,402.07	29,707.09	
18	07/01/2027	36,109.16	4,916.72	31,192.44	67,141.87
2027 Totals		36,109.16	4,916.72	31,192.44	
19	07/01/2028	36,109.16	3,357.09	32,752.07	34,389.80
2028 Totals		36,109.16	3,357.09	32,752.07	
20	07/01/2029	36,109.16	1,719.36	34,389.80	0.00
2029 Totals		36,109.16	1,719.36	34,389.80	
Grand Totals		722,183.20	272,183.20	450,000.00	

Monroe County Solid Waste Management District Comprehensive Recycling Data 2005-2008

Commodity	2010 tons collected	Contractor market price	Contractor \$ paid District	Midwest Market price	Potential Revenue	2009 tons collected	Contractor market price	Contractor \$ paid District	Midwest Market price	Potential Revenue	2008 tons collected	Contractor market price	Contractor \$ paid District	Market price	Potential Revenue	2007 tons collected	Midwest Market price	Potential Revenue	2006 tons collected	Midwest Market price	Potential Revenue	2005 tons collected	Midwest Market price	Potential Revenue	Bottom line TOTALS	
Old Corrugated Cardboard	773	\$135	\$31,302	\$165	\$127,528	743	\$2.64	\$1,965	\$49	\$36,407	665.81	\$85	\$10,320	\$101	\$66,922	601.96	\$120	\$72,167	723.10	\$76	\$55,291	706.59	\$91	\$64,337		
Mixed Paper/Mag	185	\$80	\$2,406	\$87	\$16,196	215	\$0.14	\$31	\$66	\$14,190	208.58	\$80	\$2,712	\$81	\$16,901	150.79	\$85	\$12,801	166.1	\$83	\$13,834	492	\$87	\$42,563		
Newspaper	495	\$50	\$0	\$65	\$32,188	548	\$0.00	\$0	\$34	\$18,632	577.27	\$80	\$7,505	\$85	\$49,068	605.88	\$78	\$46,956	839.3	\$55	\$46,262	743.25	\$65	\$48,311		
Books	59	\$5	\$0	\$88	\$5,134	40	\$0.00	\$0	\$10	\$400	27.79	\$5	\$64	\$15	\$417	39.02	\$20	\$780	45.75	\$20	\$915	34.28	\$20	\$686		
Gaylords -Mx Paper no proc	113	\$80	\$1,469	\$88	\$9,888	123	\$2.82	\$347	\$66	\$8,118	11.11	\$60	\$33	\$71	\$783	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0		
Gaylords -Mx Paper w/proc											73.1	\$60	\$219	\$71	\$5,154	168.35	\$87	\$14,603	264.1	\$55	\$14,590	0	\$0	\$0		
Gaylords -SOP w/proc	22	\$200	\$1,633	\$255	\$5,704	35	\$29.66	\$1,038	\$126	\$4,410	77.52	\$200	\$5,659	\$203	\$15,713	54.66	\$180	\$9,851	46.5	\$113	\$5,237	33.79	\$103	\$3,473		
Gaylords-Mag-no proc	69	\$65	\$2,234	\$105	\$7,218	90		\$0	\$66	\$5,940	84.57	\$80	\$1,099	\$81	\$6,853	114.21	\$85	\$9,695	177.1	\$83	\$14,751	0	\$0	\$0		
Gaylords-Mag-w/proc											15.11	\$80	\$196	\$81	\$1,224	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0		
Plastic Bales - no proc											(HDPE)				\$0	16.2	\$672	\$10,954	47.2	\$682	\$32,172	13.18	\$666	\$8,781		
Sorted Office Paper (SOP)											6.67	\$200	\$487	\$203	\$1,352	0	\$0	\$0	6.96	\$113	\$784	0	\$0	\$0		
Scrap/Steel		\$0	\$0			164	\$28.00	\$4,684	\$67	\$10,988	175.73	\$90	\$15,803	\$133	\$23,284	212.54	\$107	\$22,718	220.47	\$85	\$18,696	259.2	\$86	\$22,309		
Aluminum Cans	45	\$1,340	\$60,688	\$1,500	\$67,482	45	\$467.00	\$21,018	\$1,340	\$60,300	32.28	\$871	\$28,129	\$1,562	\$50,428	31.63	\$1,585	\$50,140	36.59	\$1,402	\$51,314	39.64	\$953	\$37,761		
Glass	668	\$0	\$0	\$23	\$15,204	707	\$0.00	\$0	\$23	\$16,261	592.09	(\$41.00)		\$28	\$16,282	505.49	\$28	\$13,901	540.3	\$28	\$14,858	484.59	\$28	\$13,326		
Plastic	253	\$0	\$0	\$200	\$50,640	218	\$0.00	\$0	\$80	\$17,440	147.31	\$100	\$4,567	\$356	\$52,501	153.66	\$369	\$56,639	155.4	\$314	\$48,765	150.78	\$439	\$66,192		
Contractor paid District			\$99,732		\$337,182			\$29,083		\$193,086			\$76,794													
<b>Total Annual Tonnage</b>											2694.94					2654.39			3,268.87			2,957.30				
Midwest Market value (sum of line 5-19)					\$337,182					\$193,086					\$306,883				\$321,205			\$317,468			\$307,740	\$1,783,563
Revenues Rec'd from Contractor (see note below)					\$99,732					\$29,083					\$76,794				\$73,893			\$52,914			\$71,531	\$403,947
DELTA (potential lost revenue, sum of line 27 minus 29)					\$237,450					\$164,003					\$230,090				\$247,312			\$264,553			\$236,209	\$1,379,616
Contractor Processing Fee (sum of fiber tons X\$54 and Plastic X\$38)					\$102,278					\$105,160					\$99,964				\$100,397			\$130,975			\$114,977	\$653,751
Potential Revenue Lost (sum of line 31 plus line 33)					\$339,728					\$269,163					\$330,054				\$347,709			\$395,529			\$351,185	\$2,033,367

note\*\* all annual revenues numbers are from District's income statements