

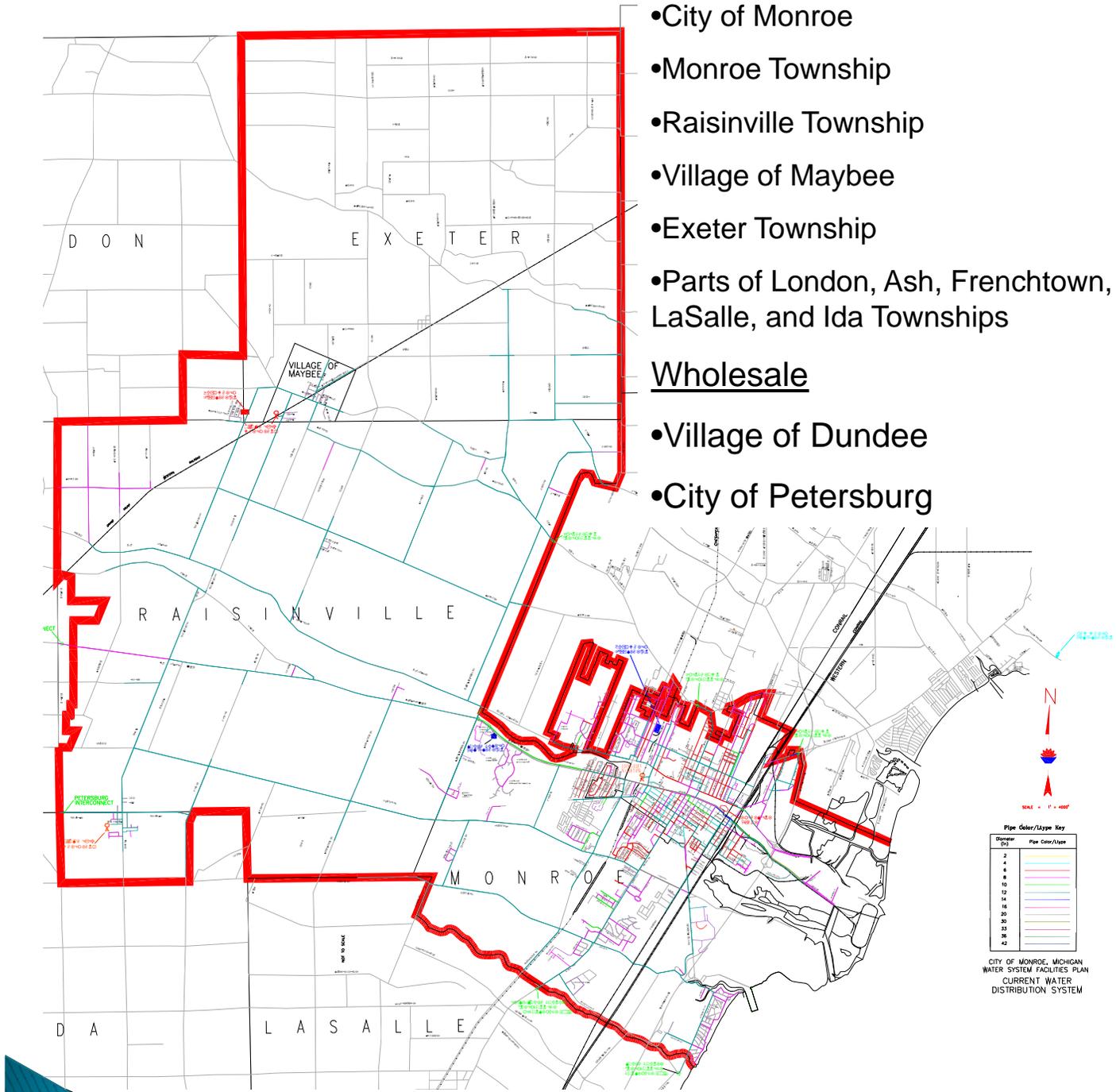
# **CITY OF MONROE WATER DEPARTMENT BUDGET FISCAL YEAR 2012-2013**

Presented by Barry S. LaRoy, P.E.  
Director of Water and Wastewater  
Utilities

March 13, 2012  
Monroe City Hall

# Water Service Area (117 sq mi)

15,039 Active Services, 298 Water Main Miles



- City of Monroe
- Monroe Township
- Raisinville Township
- Village of Maybee
- Exeter Township
- Parts of London, Ash, Frenchtown, LaSalle, and Ida Townships

## Wholesale

- Village of Dundee
- City of Petersburg

Pipe Color/Type Key

Diameter (in)	Pipe Color/Type
2	Blue
4	Blue
6	Blue
8	Blue
12	Blue
14	Blue
16	Blue
20	Blue
24	Blue
30	Blue
36	Blue
42	Blue

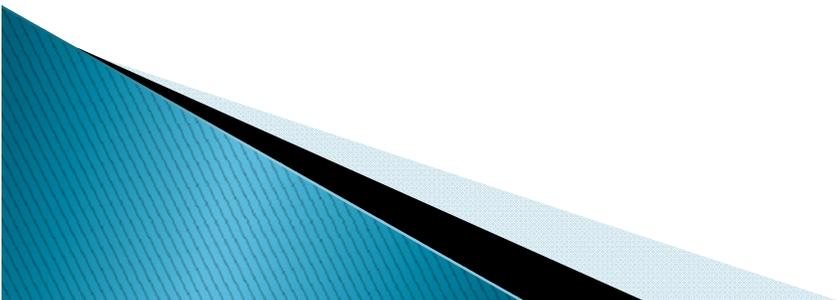
CITY OF MONROE, MICHIGAN  
WATER SYSTEM FACILITIES PLAN  
CURRENT WATER  
DISTRIBUTION SYSTEM

# Fiscal Year 2011 – 2012 Highlights

- 28.5 FTE
- Exceeded all water quality guideline standards for water, except Total Coliform Rule in 2011
- Billed >65,000 water / sewer bills
- Expanded customer base – 142 new water services
- Preventative Maintenance Program - 594 valves inspected & operated
- 70 valves & fire hydrants repaired / replaced / installed
- 81 water system breaks / leaks repaired
- Replaced / Repaired / Installed / Tested 1562 meters, 1001 radio reading devices, 31 large meters (3” and larger)
- Completed 14 CIP Projects (i.e. 6.7 miles water main Year 3)

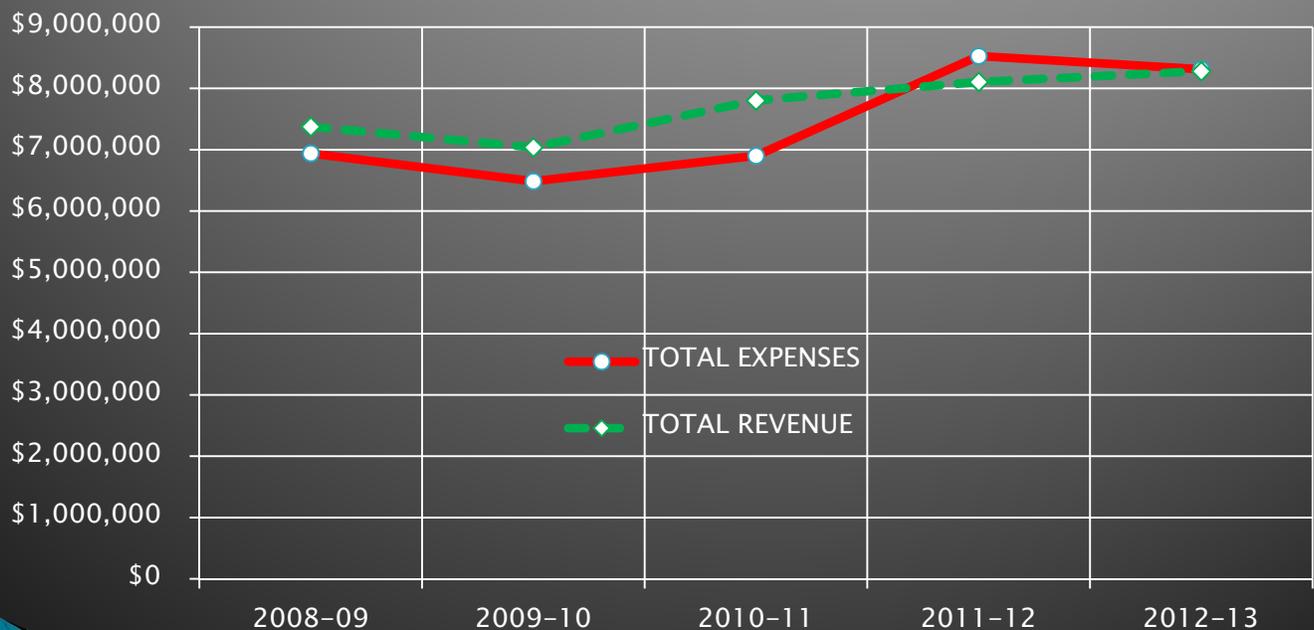
# Fiscal Year 2012 – 2013 Goals

- 28.5 FTE – maintain operations, service & project level
- Exceed all water quality and regulatory compliance standards for drinking water
- Overcome source water issues
- Maintain Water Rates - Service additional customers to distribute operational costs
- Finish retrofitting / replacing 900 meters / radio read devices by end of 2012
- Continue implementing Efficiencies & Preventative Maintenance (all facilities)
- Work on aggressive CIP schedule to complete 9 CIP Projects including finishing Year 3 Improvements (7.0 miles total)



# Expenses & Revenue Trend

	2008-09	2009-10	2010-11	2011-12	2012-13
DIVISION	ACTIVITY BUDGET	ACTIVITY BUDGET	ACTIVITY BUDGET	PROJECTED ACTIVITY	REQUESTED ACTIVITY
ADMINISTRATION	\$2,050,656	\$2,185,577	\$2,281,074	\$2,520,559	\$2,456,737
CUSTER PUMP STATION	\$47,129	\$36,795	\$46,343	\$44,619	\$46,544
FILTRATION	\$2,133,847	\$2,170,036	\$2,001,664	\$2,211,180	\$2,239,441
TRANSMISSION & DISTRIBUTION	\$1,069,167	\$1,009,253	\$1,174,730	\$1,421,663	\$1,412,146
METER SHOP	\$973,490	\$910,534	\$892,115	\$969,819	\$795,377
DEBT SERVICE	\$666,555	\$173,348	\$505,494	\$1,360,228	\$1,362,346
<b>TOTAL EXPENSES</b>	<b>\$6,940,844</b>	<b>\$6,485,543</b>	<b>\$6,901,420</b>	<b>\$8,528,068</b>	<b>\$8,312,591</b>
<b>TOTAL REVENUE</b>	<b>\$7,375,553</b>	<b>\$7,037,862</b>	<b>\$7,802,730</b>	<b>\$8,105,264</b>	<b>\$8,280,299</b>



# FY 2012–2013 Expenditures

## **Overall Budget**

- Expenses reviewed / reduced where possible
- Employee Fringes Increased 6% Overall
- Debt Service Increased <1%

## **Specific Areas**

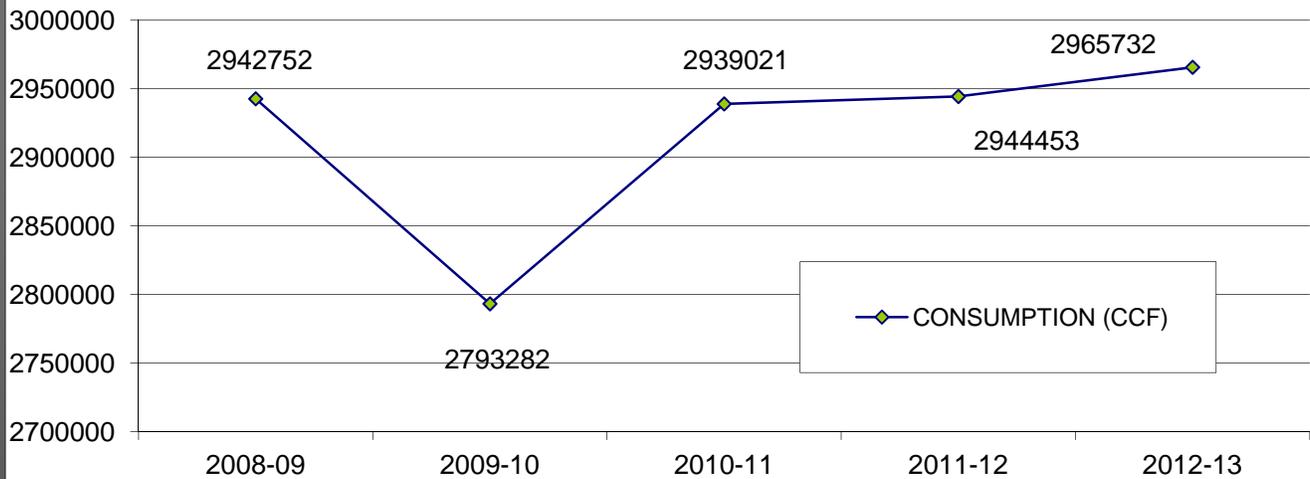
- Increased Pension Contribution - 24%
- Increase Cost of New & Renewal Water Services – 10%
- Increased Post Retirement Healthcare - 9%
- Increase City Hall Rent – 7.6%
- Increased Medical, Prescription, & Dental Insurance - 2%
- Increased Vehicle Fuel – 13%
- Overtime in Field Reduced - 20%

## **Efficiencies:**

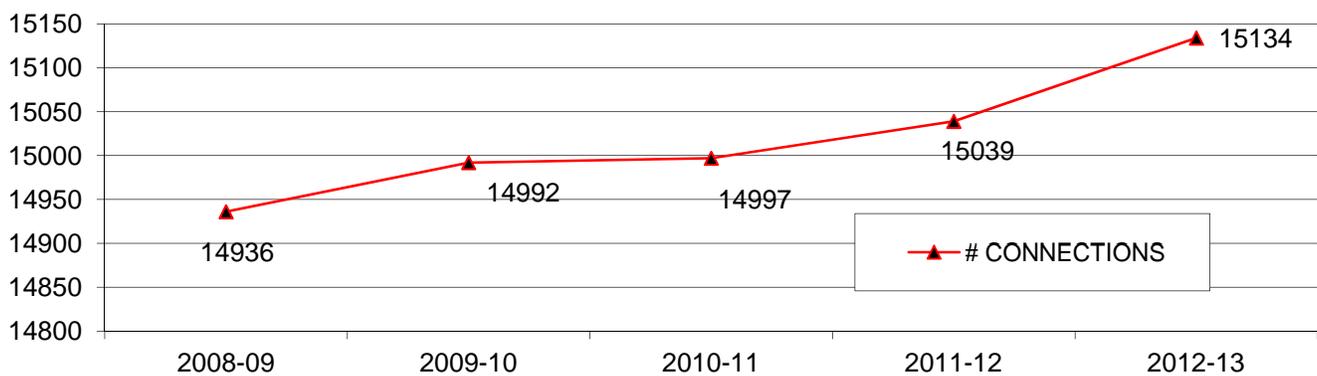
- ❖ Developed Water Rate Model
- ❖ MCHD Testing
- ❖ Ebilling for Water / Sewer Bills
- ❖ Filter Wash Water Recycling
- ❖ WTP Reduced Discharge Pressure & Electric
- ❖ Reduced Chlorine Dose
- ❖ Reduced Fluoride Dose
- ❖ Maintaining Reduced Staff at 28.5 FTE
- ❖ Water System - 93% Radio Read
- ❖ Shutting Down / Idling SCBS During Low Demand
- ❖ Replacing / Repairing Infrastructure with Staff
- ❖ Work Order Coordination – Time / Fuel Savings
- ❖ Autoflushers

# Consumption & Connection Trends

## 5 YEAR TREND OF WATER CONSUMPTION

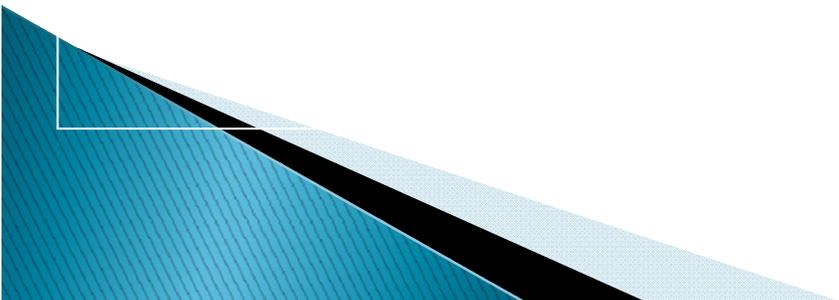


## 5 YEAR TREND OF ACTIVE CONNECTIONS



# Proposed FY 2012– 2013 Water Rates

- ▶ Maintain Pump Surcharge – \$0.15 / CCF
- ▶ Maintain System Development Fees– Based on the City of Monroe Water Department 2005 Water Rate Study methodology (See Table on Next Page)
- ▶ Maintain Administration Read Charge – \$4.50 / quarter
- ▶ Maintain Debt Service Read Charge – Based on meter size (See Table on Next Page)
- ▶ Increase Commodity Charges:
  - \$1.44 / CCF – City Residents
  - \$2.88 / CCF – Non–City Residents
  - \$3.03 / CCF – Non–City Residents (W/Pump Surcharge)
  - \$1.59 / CCF – Wholesale customers



# FY 2012–2013 Proposed Meter Read Charge & System Development Fees

City Residents		Non-City Residents		System Development Fees	
Meter Size	Fee	Meter Size	Fee	Meter Size	Fee
5/8"	\$9.90	5/8"	\$15.30	5/8"	\$1,400
3/4"	\$12.61	3/4"	\$20.72	1"	\$3,500
1"	\$18.01	1"	\$31.52	1-1/2"	\$7,000
1-1/4"	\$23.41	1-1/4"	\$42.32	2"	\$11,200
1-1/2"	\$31.51	1-1/2"	\$58.52	3"	\$24,500
2"	\$47.72	2"	\$90.94	4"	\$42,000
3"	\$99.05	3"	\$193.60	6"	\$87,500
4"	\$166.58	4"	\$328.66	8"	\$126,000
6"	\$342.17	6"	\$679.84	10"	\$203,000
8"	\$490.74	8"	\$976.98	12"	\$301,000
10"	\$787.88	10"	\$1,571.26		
12"	\$1166.07	12"	\$2,327.64		

# FY 2012–2013 Revenue

- **2.2% Increase Breakdown**

- Fringes (Pension, Post Retirement Healthcare, etc) 1.5%
- Reduced Consumption 0.5%
- Debt Service 0.1%

- (-) Numerous foreclosed & vacant homes / buildable lots available

- (+) Increased # of new customer installations: 142 in 2011

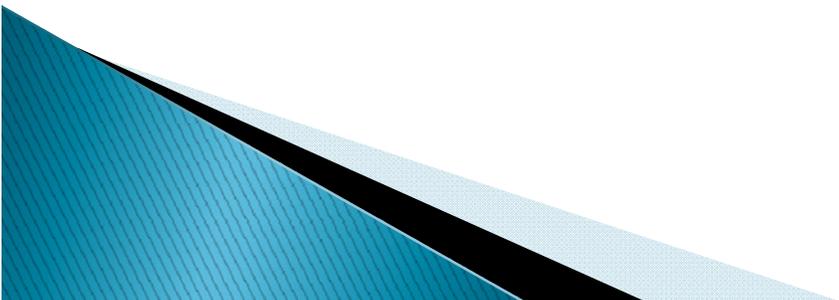
- (+) Exeter Water Districts #3, 4A & 4B (400+ potential customers)

- (+) Active accounts expected to increase to 15,134

- **Water Consumption Down Since FY 2005-06**

- City of Monroe down 19% (58% of system)
- Monroe Township down 12% (19% of system)
- Raisinville Township down 3% (5% of system)
- Dundee down 2% (12% of system)
- Petersburg down 2% (1% of system)

- **FY 2012-2013 expect flat water consumption (<1% increase)**



## WATER RATE COMPARISON\*

LOCATION	ANNUAL COST	\$/CCF	QUARTERLY SERVICE COST	% INCREASE (Monroe System Only)
Tecumseh	\$118.47	\$1.09	\$4.50	
City of Wyandotte	\$155.80	\$0.95	\$17.10	
City of Flat Rock	\$172.04	\$1.87	\$25.00	
<b>City of Monroe</b>	<b>\$172.08</b>	<b>\$1.44</b>	<b>\$9.90</b>	<b>2.2%</b>
Frenchtown Township	\$185.72	\$1.69	\$7.56	
City of Milan	\$188.83	\$1.50	\$12.80	
Ash Township	\$258.06	\$2.81	\$37.50	
YUCA	\$260.95	\$2.32	\$22.69	
City of Howell	\$276.03	\$2.45	\$12.75	
City of Ann Arbor	\$287.88	\$2.64	\$11.25	
Village of Dexter	\$289.03	\$2.27	\$20.13	
Berlin Charter Township	\$322.38	\$2.85	\$15.00	
<b>Monroe &amp; LaSalle Township- Monroe System</b>	<b>\$326.16</b>	<b>\$2.88</b>	<b>\$15.30</b>	<b>2.3%</b>
<b>Raisinville, Ida, London, Exeter Townships &amp; Village of Maybee - Monroe System</b>	<b>\$339.96</b>	<b>\$3.03</b>	<b>\$15.30</b>	<b>2.2%</b>
Village of Dundee	\$362.45	\$3.64	\$7.00	
South County Water	\$363.29	\$3.23	\$29.46	
City of Woodhaven	\$368.52	\$3.55	\$10.41	
City of Saline	\$379.20	\$3.34	\$18.07	
Village of Blissfield	\$417.15	\$2.30	\$51.30	
Village of South Rockwood	\$453.64	\$1.68	\$74.70	
City of Petersburg	\$528.03	\$3.10	\$60.61	
<i>*Annual cost based 92 ccf</i>				
<b>Dundee-Wholesale (6")</b>	<b>\$566,562.80</b>	<b>\$1.59</b>	<b>\$342.17</b>	<b>2.6%</b>
<b>Petersburg-Wholesale (2~4")</b>	<b>\$69,281.29</b>	<b>\$1.59</b>	<b>\$333.16</b>	<b>2.5%</b>

**Bold - Monroe Water System**