

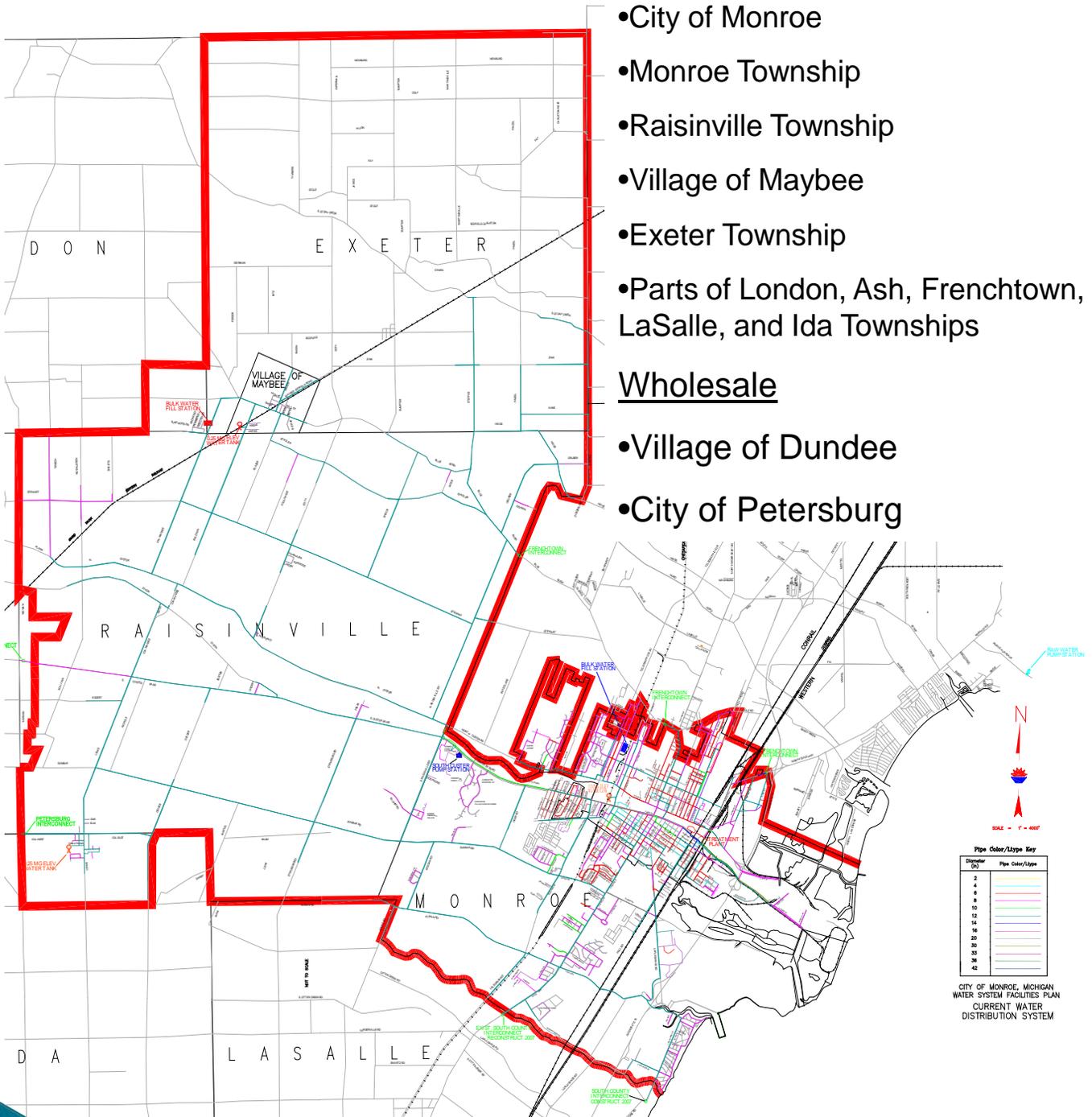
CITY OF MONROE WATER DEPARTMENT BUDGET FISCAL YEAR 2014-2015

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Director of Water and Wastewater
Utilities

March 31, 2014
Monroe City Hall

Water Service Area (117 sq mi)

15,260 Active Connections, 305 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

Scale = 1" = 400'

North Arrow

Pipe Size (in)	Pipe Color/Type Key
2	Blue
4	Green
6	Yellow
8	Orange
12	Red
14	Purple
16	Pink
20	Light Blue
24	Light Green
30	Light Yellow
36	Light Orange
42	Light Purple

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

Fiscal Year 2013 – 2014 Highlights

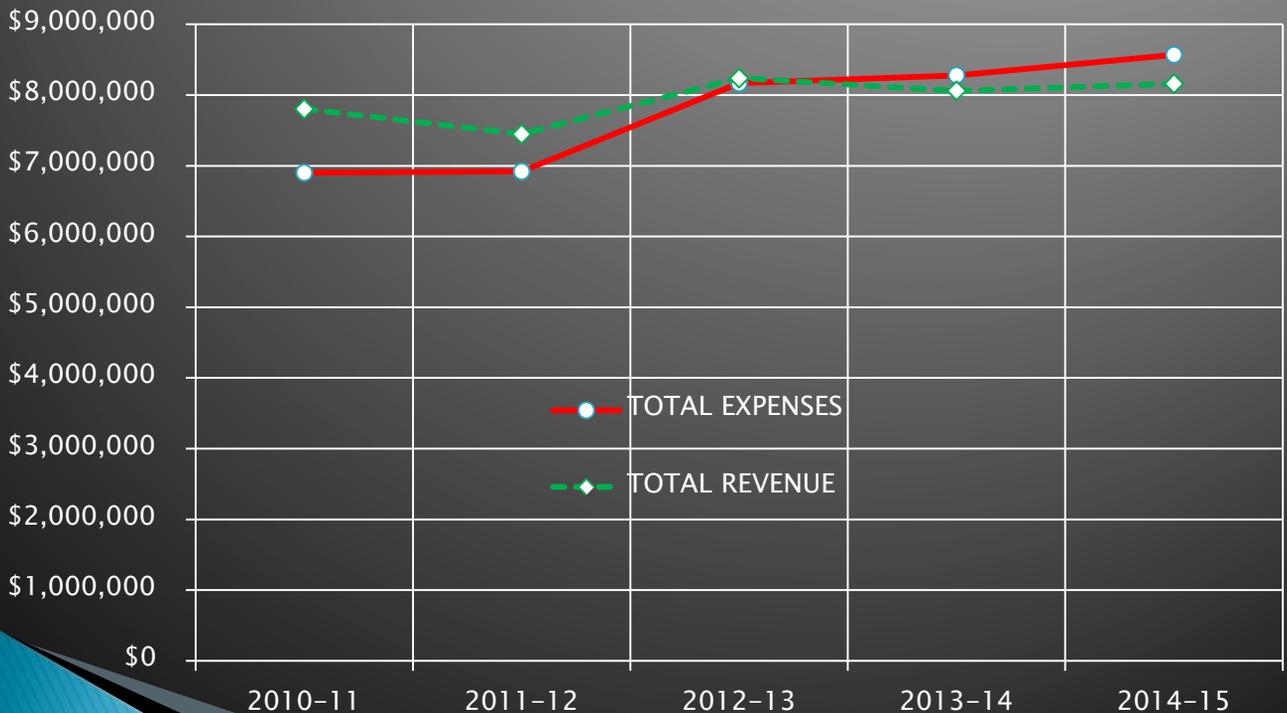
- 28.5 FTE
- Exceeded all water quality guideline standards for water
- Billed ~63,400 water / sewer bills
- Expanded customer base – 106 new water services
- Preventative Maintenance - 431 valves & 1524 hydrants inspected & operated
- 41 valves & fire hydrants repaired / replaced / installed / flow tested
- 59 water system breaks repaired
- Replaced / Repaired / Installed / Tested 386 meters/ radio reading devices / large meters (3" and larger)
- Completed 8 CIP Projects

Fiscal Year 2014 - 2015 Goals

- 27.5 FTE, 1 FTE reduction – maintain operations, service & project level
- Exceed all water quality and regulatory compliance standards for drinking water
- Source Water Treatment Measures
- Maintain Water Rates - Service additional customers to distribute operational costs
- Maintain ~15,300 meters / radio read devices in system (100% radio)
- Continue implementing Efficiencies & Preventative Maintenance (all facilities)
- Complete 9 CIP Projects

Expenses & Revenue Trend

DIVISION	2010-11	2011-12	2012-13	2013-14	2014-15
	ACTIVITY	ACTIVITY	ACTIVITY PROJECTED	REQUESTED	
	BUDGET	BUDGET	BUDGET	ACTIVITY	ACTIVITY
ADMINISTRATION	\$2,281,074	\$2,408,497	\$2,452,571	\$2,453,598	\$2,514,508
CUSTER PUMP STATION	\$46,343	\$44,687	\$50,465	\$52,490	\$51,145
FILTRATION	\$2,001,664	\$2,050,540	\$2,223,491	\$2,142,394	\$2,113,793
TRANSMISSION & DISTRIBUTION	\$1,174,730	\$963,101	\$1,390,375	\$1,416,708	\$1,443,347
METER SHOP	\$892,115	\$984,046	\$737,283	\$757,657	\$729,899
DEBT SERVICE	\$505,494	\$468,407	\$1,312,445	\$1,456,233	\$1,716,794
TOTAL EXPENSES	\$6,901,420	\$6,919,278	\$8,166,630	\$8,279,080	\$8,569,486
TOTAL REVENUE	\$7,802,730	\$7,446,752	\$8,238,633	\$8,060,684	\$8,160,338



FY 2014-2015 Expenditures

Overall Budget

- Expenses reviewed / reduced where possible
- Operational Budget Increased 4%
 - 4% Increase Breakdown
 - Debt Service ~3%
 - City Fees, Depreciation, Operations / Maintenance, Reduced Usage ~1%

Specific Areas to Concern

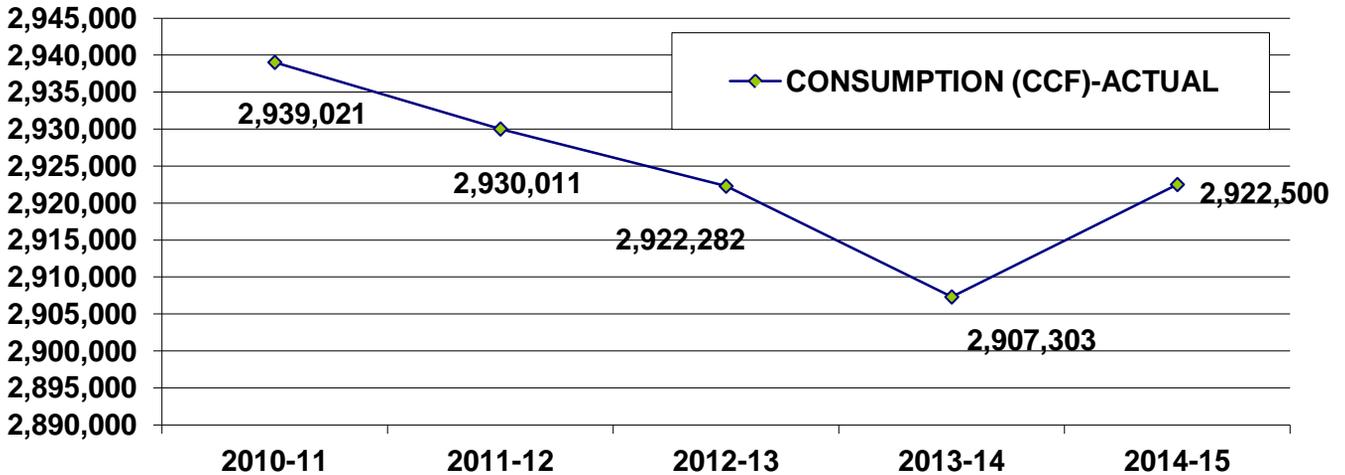
- Chemicals - 6%
- Vehicle Fuel - 3%
- Pension Contribution - 18%
- Natural Gas – 1%
- City Hall Rent – 2%

Efficiencies:

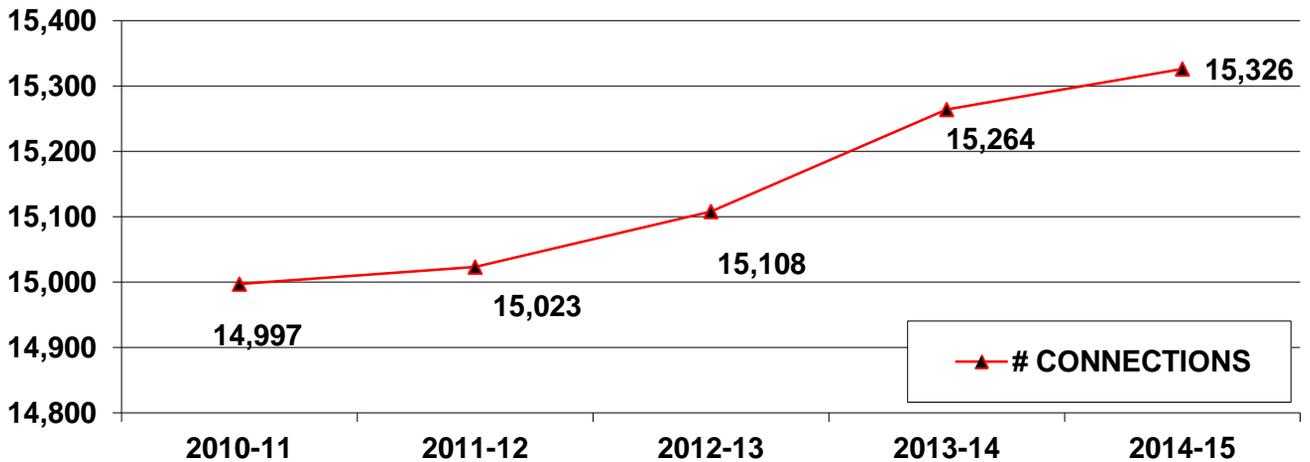
- ❖ Developed Water Rate Model
- ❖ System Development Fee & Fire Line Rate Modifications
- ❖ Monroe County Health Department Testing
- ❖ Coordinated Delinquent Bill Shutoffs / Building Department
- ❖ Ebilling for Water / Sewer Bills
- ❖ Filter Wash Water Recycling - Less Sewer Costs
- ❖ WTP Reduced Discharge Pressure – Less Electricity Costs
- ❖ Reduced Chlorine & Fluoride Doses
- ❖ Maintaining Services via Reduced Staff at 27.5 FTE, 1 FTE reduction
- ❖ Water System - 100% Radio Read
- ❖ Shutting Down / Idling SCBS During Low Demand
- ❖ Replacing / Repairing Infrastructure with Staff
- ❖ Work Order Coordination – Time / Fuel Savings
- ❖ Autoflushers – Maintain Water Quality & Less OT
- ❖ In-House CCR Development / Distribution

Consumption & Connection Trends

5 YEAR TREND OF WATER CONSUMPTION



5 YEAR TREND OF ACTIVE CONNECTIONS



Proposed FY 2014– 2015 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
- ▶ **Increase Debt Service Read Charge** – Based on meter size (See Table on Next Page)
- ▶ **Increase Fire Line Charges** – Based on fire line size (See Table on Next Page)
- ▶ **Increase Commodity Charges:**
 - \$1.52 / CCF – City Residents
 - \$3.04 / CCF – Non-City Residents
 - \$3.19 / CCF – Non-City Residents (W/Pump Surcharge)
 - \$1.67 / CCF – Wholesale customers

FY 2014-2015 Proposed Read & Fire Line Charges, Fees

	City Residents	Non-City Residents	Fire Line Charges		System Development Fees
Meter / Line Size	Fee	Fee	City	Non-City	Fee
5/8"	\$10.02	\$15.54	\$0.52	\$1.04	\$1,400
3/4"	\$12.80	\$21.10	\$0.84	\$1.68	-
1"	\$18.32	\$32.14	\$1.80	\$3.60	\$3,500
1-1/4"	\$23.84	\$43.18	\$3.24	\$6.48	-
1-1/2"	\$32.13	\$59.76	\$5.23	\$10.46	\$7,000
2"	\$48.71	\$92.92	\$11.14	\$22.28	\$11,200
2-1/2"	\$73.58	\$142.66	\$20.04	\$40.08	-
3"	\$101.22	\$197.94	\$32.37	\$64.74	\$24,500
4"	\$170.31	\$336.12	\$68.97	\$137.94	\$42,000
6"	\$349.94	\$695.38	\$200.36	\$400.72	\$87,500
8"	\$501.92	\$999.34	\$426.97	\$853.94	\$126,000
10"	\$805.90	\$1,607.30	\$767.84	\$1,535.68	\$203,000
12"	\$1,192.79	\$2,381.08	\$1,240.28	\$2,480.56	\$301,000

WATER RATE COMPARISON

JURISTICTION	ANNUAL COST	\$/CCF	QUARTERLY SERVICE COST	% INCREASE (Monroe System Only)
Tecumseh	\$165.47	\$1.31	\$11.26	
City of Monroe	\$179.92	\$1.52	\$10.02	2.9%
City of Wyandotte	\$197.20	\$1.40	\$17.10	
Frenchtown Township	\$208.00	\$1.85	\$9.45	
City of Flat Rock	\$210.45	\$2.24	\$1.00	
City of Milan	\$211.47	\$1.68	\$14.33	
Ash Township	\$258.06	\$2.81	\$37.50	
Village of Dexter	\$306.10	\$2.40	\$21.30	
City of Ann Arbor	\$307.20	\$2.85	\$11.25	
YUCA-Township	\$308.15	\$2.56	\$25.02	
City of Howell	\$322.38	\$2.92	\$13.50	
Monroe & LaSalle Township- Monroe System	\$341.84	\$3.04	\$15.54	
City of Adrian	\$341.84	\$2.50	\$27.96	
Berlin Charter Township	\$343.03	\$3.08	\$15.00	
Raisinville, Ida, London, Exeter Townships & Village of Maybee - Monroe System	\$355.64	\$3.19	\$15.54	2.9%
City of Woodhaven	\$364.78	\$3.87	\$2.25	
Village of Dundee	\$366.45	\$3.64	\$8.00	
City of Saline	\$383.12	\$3.34	\$19.05	
Village of Blissfield	\$417.15	\$2.30	\$51.30	
South County Water	\$418.69	\$4.30	\$23.00	
Village of South Rockwood	\$453.64	\$1.68	\$74.70	
City of Petersburg	\$576.20	\$3.63	\$60.61	
<i>*Annual cost based 92 ccf</i>				
Dundee-Wholesale (6")	\$539,867.88	\$1.67	\$349.94	3.1%
Petersburg-Wholesale (2~4")	\$83,566.56	\$1.67	\$340.62	3.1%

Bold - Monroe Water System

FY 2014–2015 Revenue

- **2.9% Average Customer Increase Breakdown**

- Debt Service 2.0%
- Operations & Maintenance 0.2%
- Depreciation 0.2%
- City Fees 0.2%
- Reduced Consumption 0.3%

- (-) Numerous foreclosed & vacant homes / buildable lots available
- (+) Increased # of new customer installations: 106 in 2013
- (+) New Water Districts (potential customers)
- (+) Active accounts expected to increase, but consumption reduced

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

Location	% Down	% System Consumption
City of Monroe	20%	59%
Monroe Township	17%	19%
Raisinville Township	3%	5%
Village of Dundee	12%	11%

- **CY 2013 Consumption Down 2.7%**
- **FY 2014-2015 expect flat water consumption (<1% increase)**