



2012 Proposed Water & Wastewater User Rates

Monday, January 23, 2012



2012 Proposed Rates - Assumptions

- Rates are consistent across the Town
- The 2012 water consumption and sanitary sewage flows are maintained in 2012 from 2011 budget levels
- User charges cover:
 - Operating costs
 - Current portion of capital repairs, capital replacement and updates to existing infrastructure



2012 Proposed Rates - Assumptions

- Budget and corresponding water rates are based on Staff report FIS.11.11 – “20 Year Capital Plan – Water Division” adopted by Council in April 2011.
- Budget and corresponding wastewater rates based on the philosophy of the “20 Year Capital Plan – Water Division”.
- 2012 Proposed Rates (fixed & consumption) up 6.25% for water and 7.25% for wastewater
- Total increase for Water & Wastewater < \$60 based on 180 m³ / year



2012 Proposed Rates - Assumptions

- Water and Wastewater fees do not pay for growth
- Contributions to a Rate Stabilization Reserve
 - \$35,000 generated through water rates
- Contributions to the Asset Replacement Reserve Funds are:
 - \$710,236 for Water
 - \$716,641 for Wastewater



2012 Proposed Rates - Assumptions

- 2011 surplus or deficit will be transferred to or funded from reserves and reserve funds
- Estimated growth has been considered in the calculation of 2012 rates
- Other water supply and wastewater use rates will be adjusted in accordance with the rates adopted by Council
 - Bulk Water Sales
 - Flat Rate Charge (no meter installed, newly constructed building)
 - Holding Tank Wastewater
 - Septage Waste

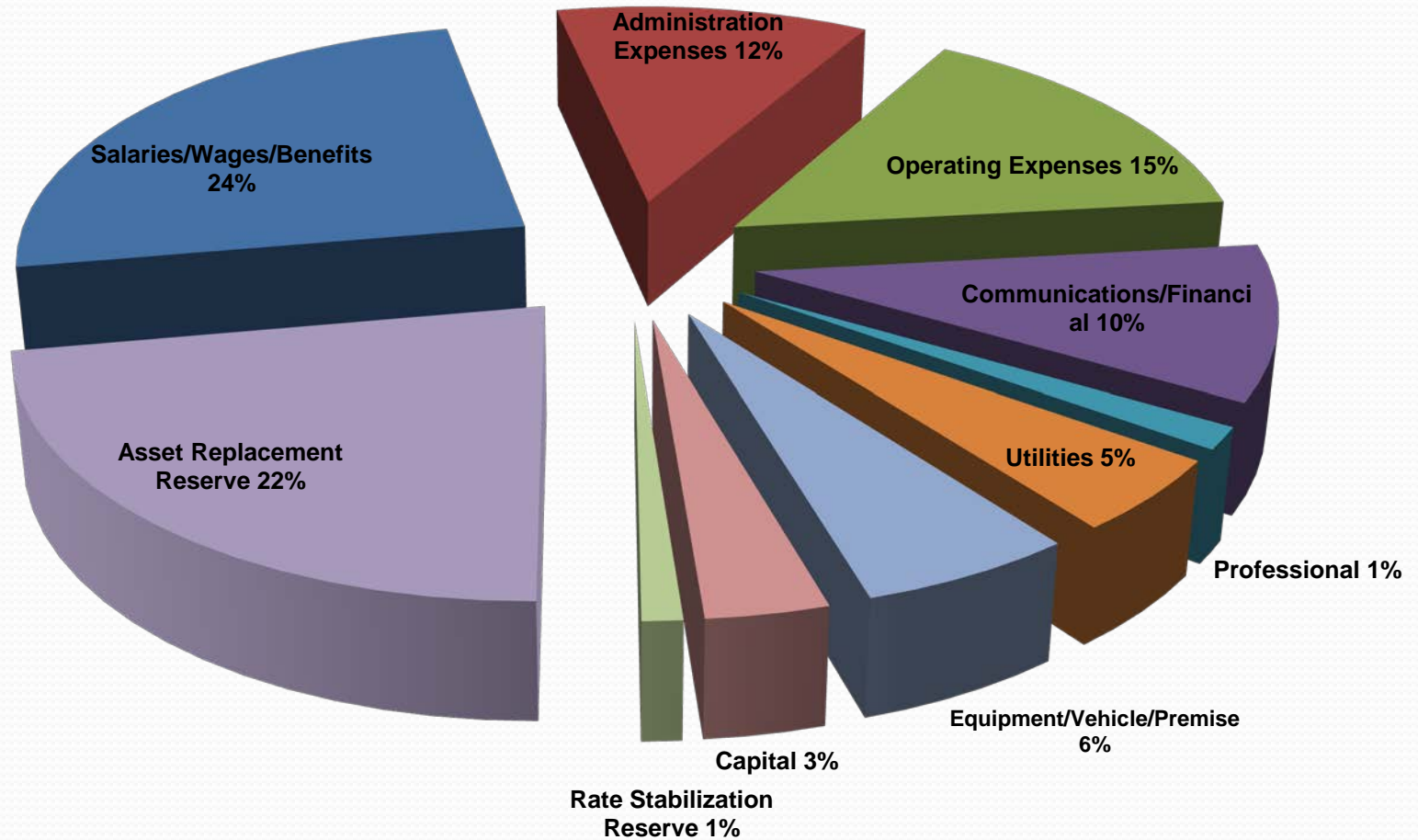
2012 Proposed Budget Dollars



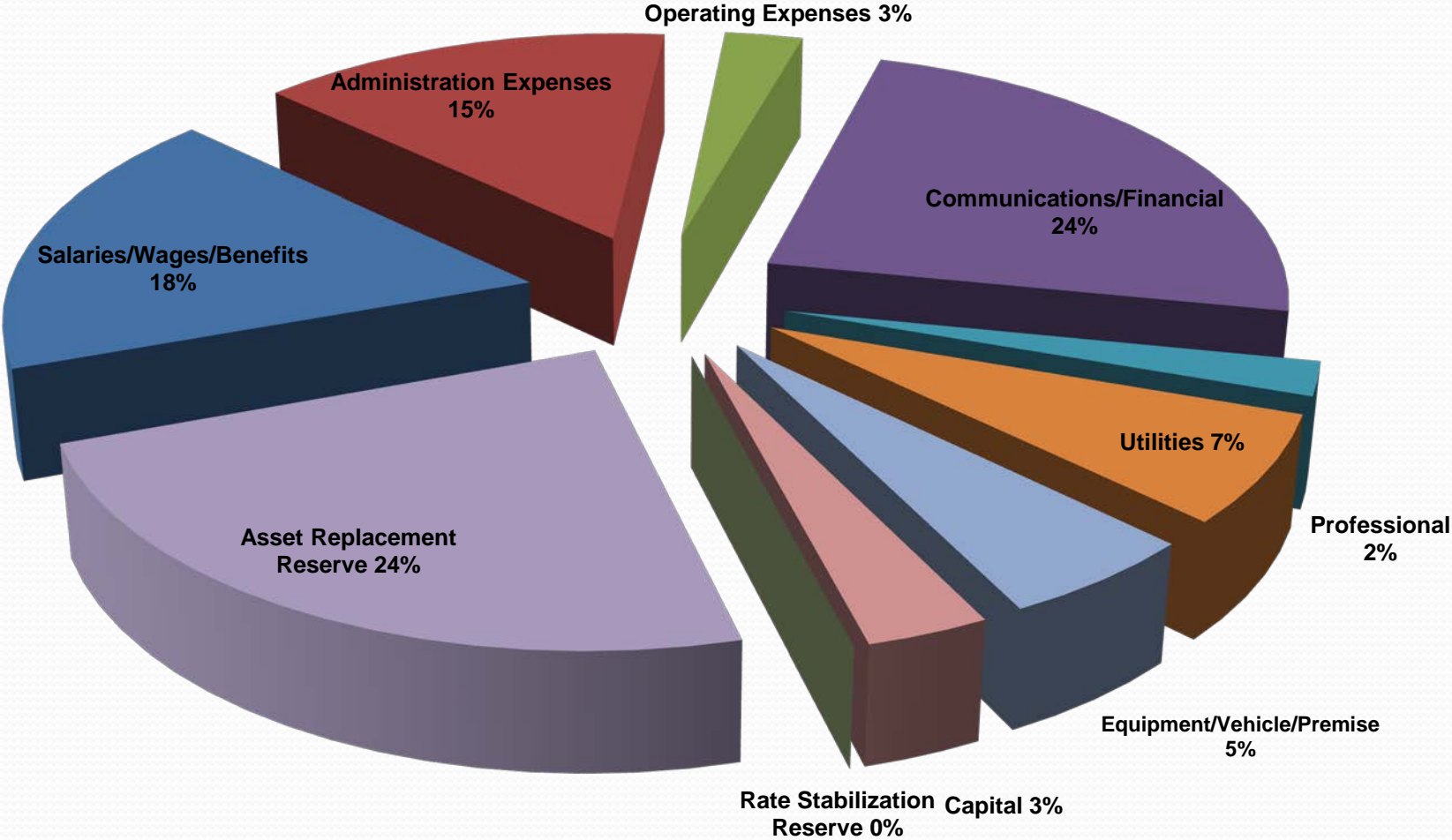
- Total 2012 Proposed Water and Wastewater Budget has over \$5.6M in service and project spending (2011 \$5.29M)



2012 Operating Budget by Expense – Water



2012 Operating Budget by Expense - Wastewater



Revenue Requirements



Revenue Requirements / # of Units / Proposed Rates

	<u>2011</u>	<u>2012</u>	<u>Diff</u>	<u>%Chge</u>
Water Budget – Req'd Revs	\$3,087,358	\$3,285,601	\$198,243	+ 6.4%
# of units – used to set rates	6,023	6,042	19	+ 0.3%
Water consumption billed	1,109,895m ³	1,109,895m ³	0	0%
Proposed Annual Water Chge	\$459	\$487	\$28	+ 6.25%

(5/8" meter, 180m³/yr)

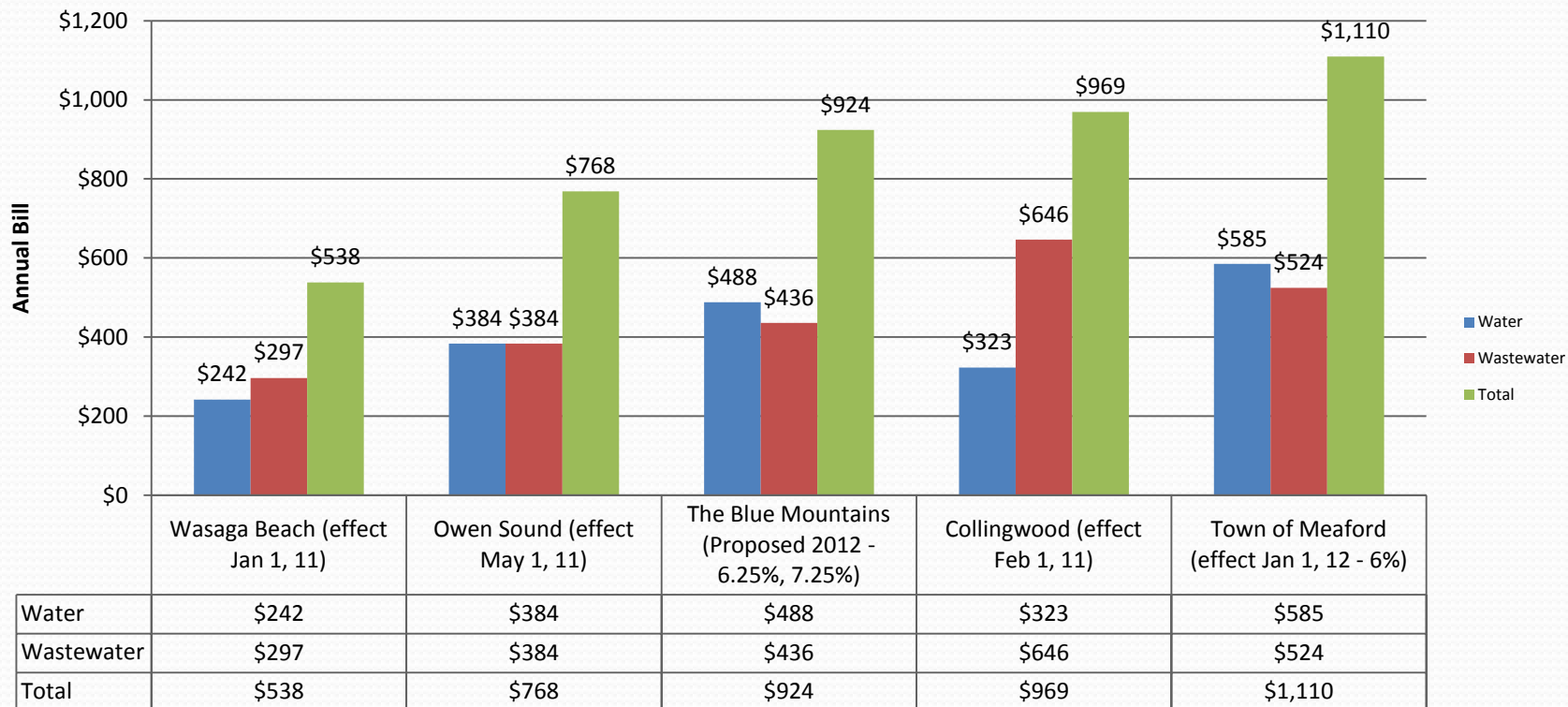
Wastewater Budget – Req'd Revs	\$2,211,508	\$2,317,550	\$106,042	+ 4.8%
# of units – used to set rates	4,719	4,833	114	+ 2.4%
Water consumption billed	845,873m ³	845,873m ³	0	0%
Proposed Annual WW Chge	\$406	\$435	\$29	+ 7.25%

(5/8" meter, 180m³/yr)



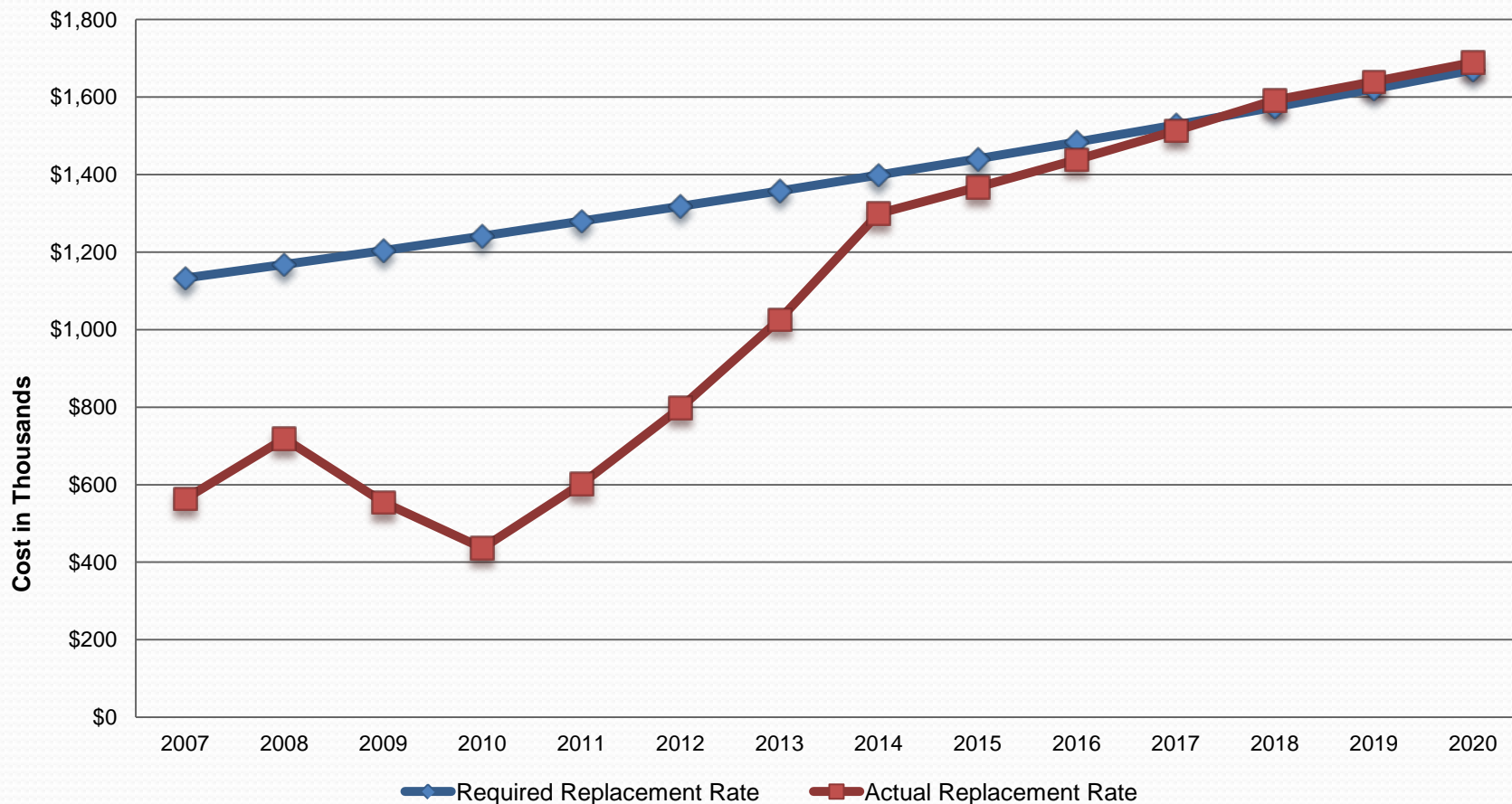
Municipal Comparisons

Annual Water and Wastewater Bill 5/8" Meter Users - 180 m³/year



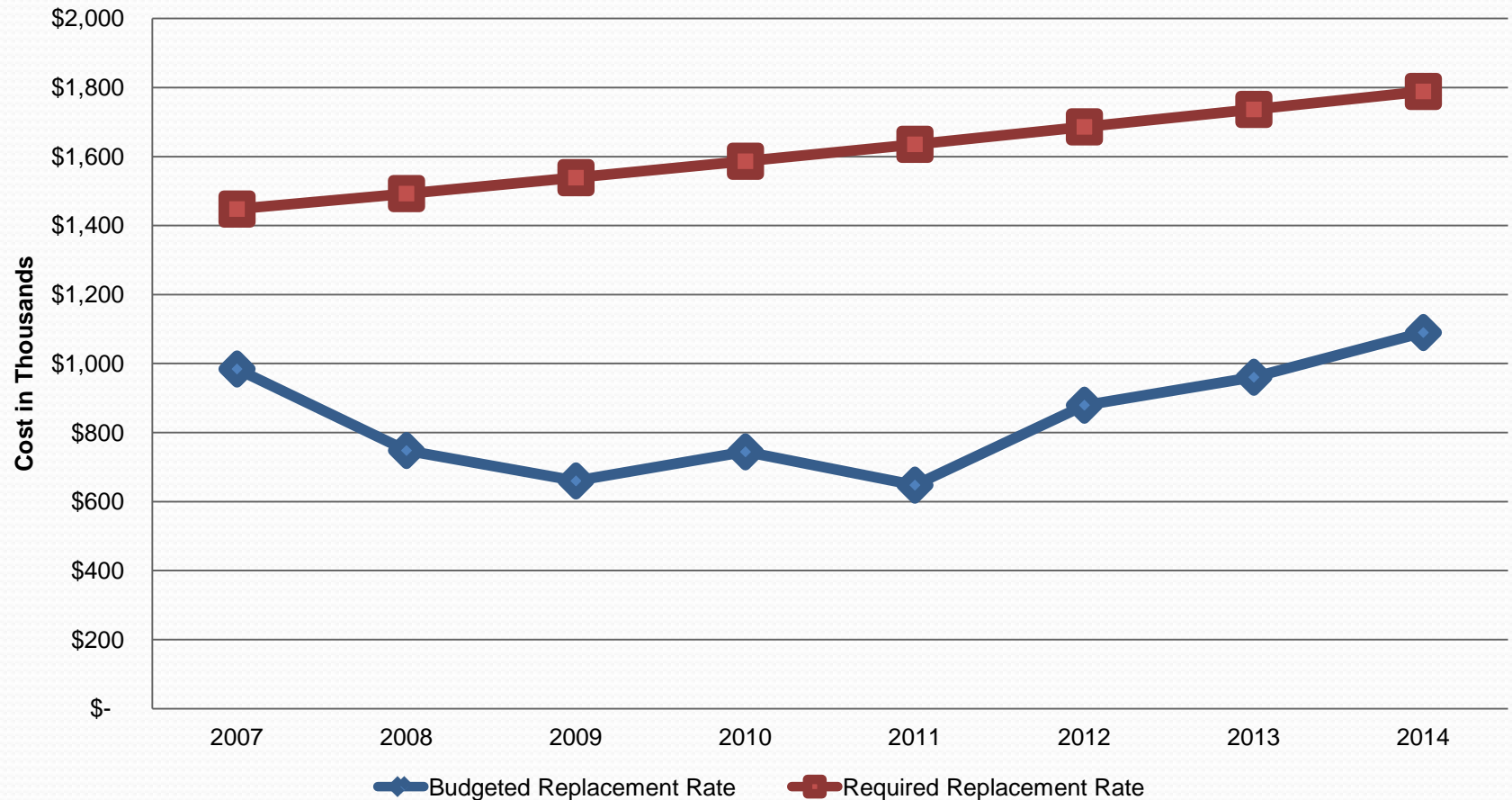


Water Infrastructure Deficit Gap





Wastewater Infrastructure Deficit Gap





2012 Water & Wastewater Budget Highlights



2012 Water Budget Highlights

Hydraulic Water Model Completed in 2012

Completion of Town wide comprehensive, calibrated water model that identifies deficiencies and makes recommendations on water storage and the distribution system. Will assist staff with future extensions and ongoing maintenance.

Operational Improvements

Continuation of valve maintenance program, preventative maintenance and energy conservation through reduced flow shower heads

Implementation of backflow prevention program



2012 Water Budget Highlights

DWQMS

- DWQMS is a quality management system that requires detailed documentation striving for continual improvement.



2012 Wastewater Budget Highlights

Wastewater Inflow and Infiltration Study for Spot Repairs

- Determine amount of excess water from below ground or surface entering the wastewater collection systems
- Will involve computer flow monitoring and also flushing and video surveillance

2012 Wastewater Budget Highlights



Mill Street Pump Rebuild

- Mill Street Pump Station transfers all wastewater in Thornbury to the Wastewater Treatment Plant. One of the two large pumps requires rebuilding to ensure there is a back up pump at all times Operational Improvements
- Continue ongoing maintenance of collection systems to monitor inflow and infiltration
- Preventative maintenance and energy conservation