

# Water Treatment Plant Capital Plan Expenditures by Funding Source 2013-2015

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	<b>Total Cost</b>	<b>SIF</b>	<b>Unrestricted</b>
Water Treatment Plant	<b>\$10.7M</b>	<b>\$6.6M</b>	<b>\$4.1M</b>
Chemical Building	<b>\$10.3M</b>	<b>\$5.15M</b>	<b>\$5.15M</b>
<b>Total</b>	<b>\$21.0M</b>	<b>\$11.75M</b>	<b>\$9.25M</b>

***NOTE: Unrestricted portion to be funded from loan proceeds.***

# Water Treatment Plant Project Components

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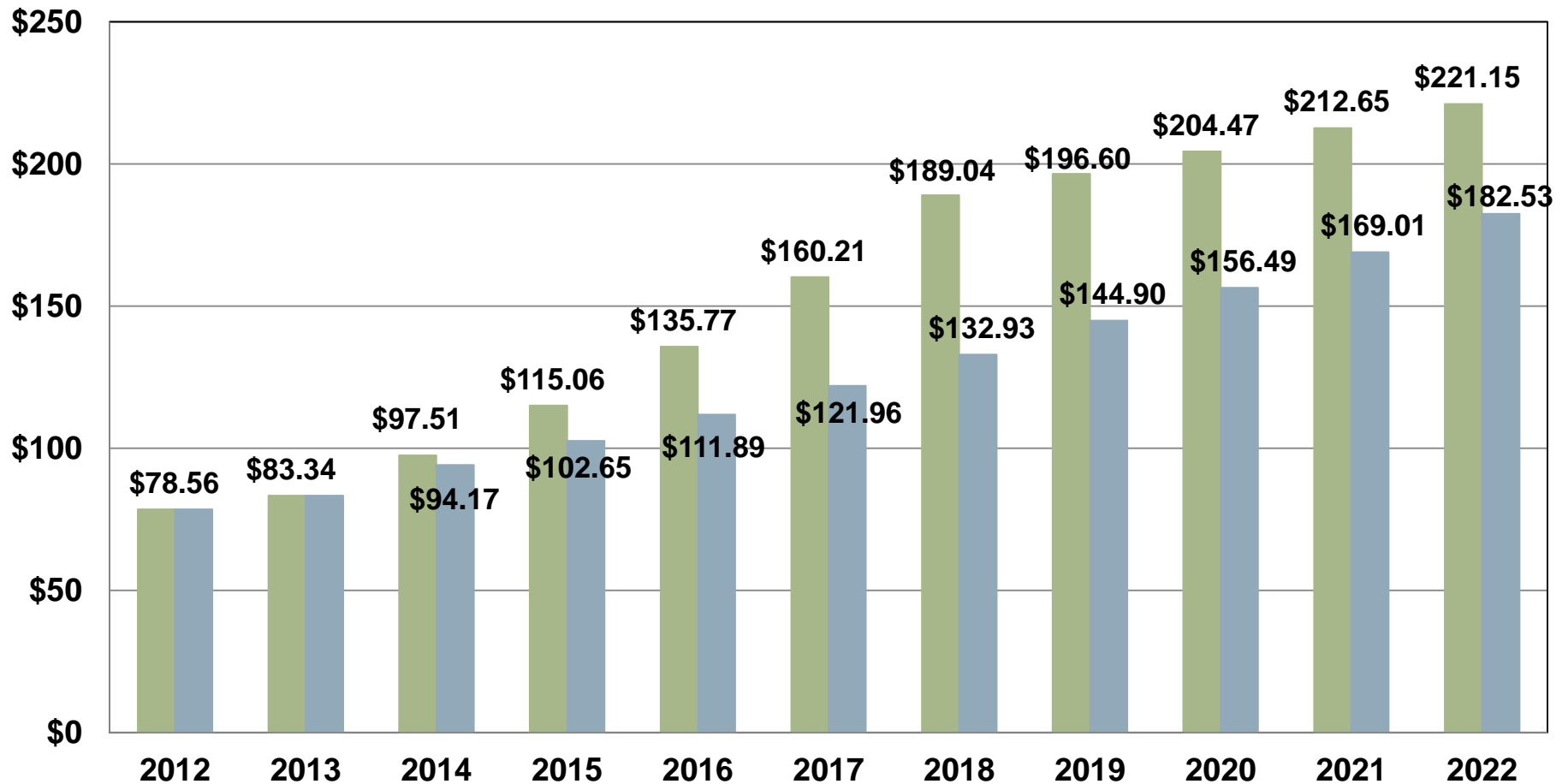
	<b>Total Cost</b>	<b>SIF</b>	<b>Unrestricted</b>
Chemical Building	<b>\$10.3M</b>	<b>\$5.15M</b>	<b>\$5.15M</b>
Filter Plant #1	<b>\$7.5M</b>	<b>\$6.0M</b>	<b>\$1.5M</b>
Secondary Electrical Feed System	<b>\$1.1M</b>	<b>\$0.6M</b>	<b>\$0.5M</b>
Lagoon 8	<b>\$1.1M</b>	<b>\$0.00</b>	<b>\$1.1M</b>
Filter Plant #2	<b>\$1.0M</b>	<b>\$0.00</b>	<b>\$1.0M</b>
<b>Total</b>	<b>\$21.0M</b>	<b>\$11.75M</b>	<b>\$9.25M</b>

***NOTE: Unrestricted portion to be funded from loan proceeds.***

# Estimated Average Monthly Commercial Water Bill 2012-2022 (41,630 gallons per month) – Alternative Funding Scenarios

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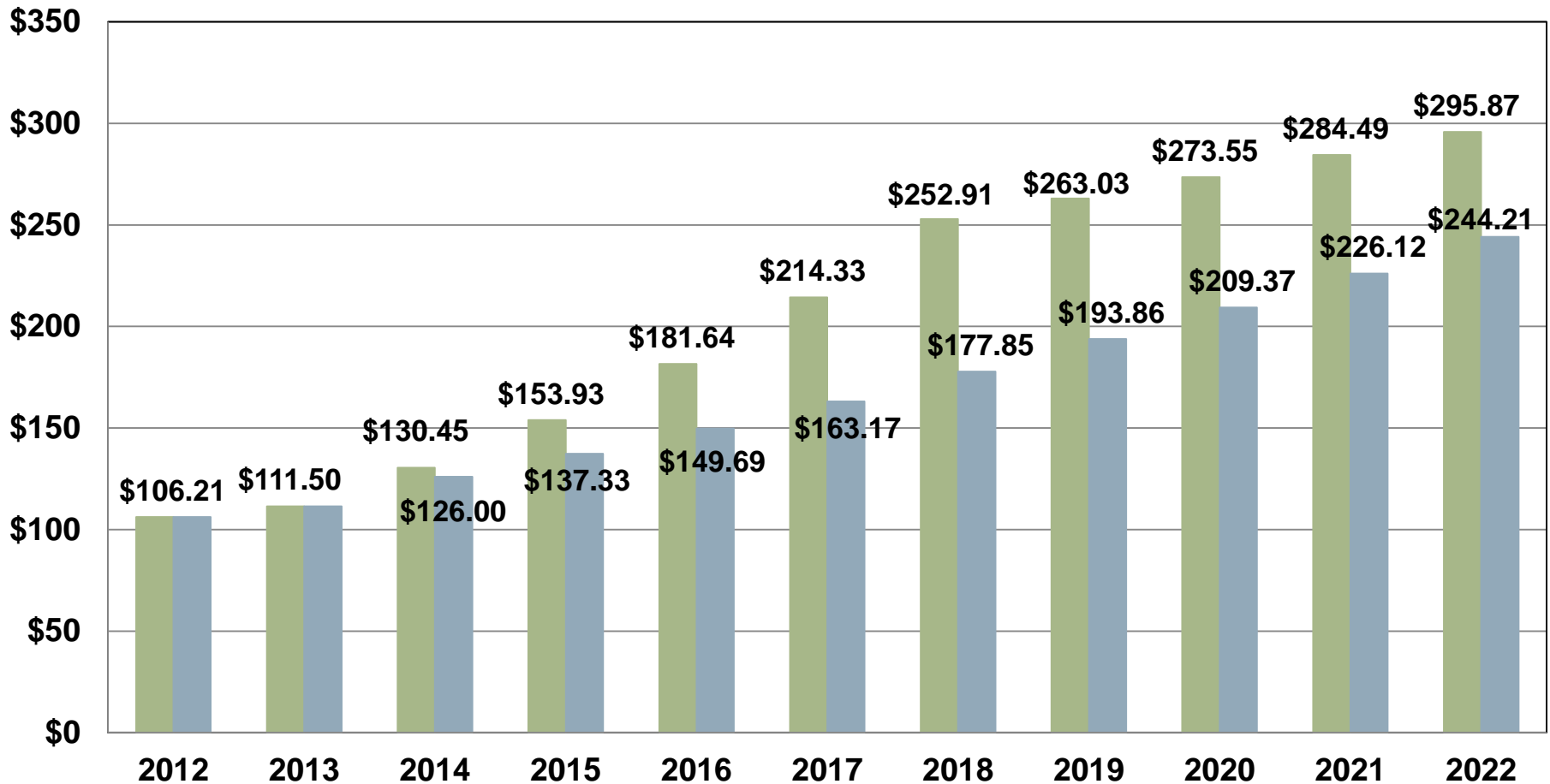
- Average bill based on \$16M, 30 year External Loan (Scenario A)
- Average bill based on \$12M, 20 year External Loan (Scenario B) & Internal Loan (Scenario C)



# Estimated Average Monthly Irrigation Water Bill 2012-2022 (46,700 gallons per month) – Alternative Funding Scenarios

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- Average bill based on \$16M, 30 year External Loan (Scenario A)
- Average bill based on \$12M, 20 year External Loan (Scenario B) & Internal Loan (Scenario C)



# 2002 Water Rate Comparisons-Residential (based on 2013 projected 8,100 gallons/mo)

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	Loveland 2002	Ft. Collins 2002	Greeley 2002	Longmont 2002
<b>Residential: 8,100 gallons/mo.; ¾" tap size</b>				
Monthly Base Charge	\$5.43	\$15.62	\$10.70	\$2.30
Usage Charge per 1,000 Gallons	\$1.50	\$1.39	\$1.73	\$2.60+
Total Bill	\$17.58	\$26.88	\$24.71	\$23.36
Rank (1=lowest)	1	4	3	2

# 2002 Water Rate Comparisons-Commercial (based on 2013 projected 41,630 gal/mo.)

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	Loveland 2002	Ft. Collins 2002	Greeley 2002	Longmont 2002
<b>Commercial: 41,630 gallons/mo.; 1" tap size</b>				
Monthly Base Charge	\$7.29	\$38.49	\$11.30	\$2.60
Usage Charge per 1,000 Gallons	\$1.29	\$1.39	\$1.67	\$2.45+
Total Bill	\$60.99	\$96.36	\$80.82	\$104.59
Rank (1=lowest)	1	3	2	4

# 2008 Water Rate Comparisons-Residential (based on 2013 projected 8,100 gallons/mo)

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	Loveland 2008	Ft. Collins 2008	Greeley 2008	Longmont 2008
<b>Residential: 8,100 gallons/mo.; ¾" tap size</b>				
Monthly Base Charge	\$4.16	\$12.72	\$7.60	\$2.30
Usage Charge per 1,000 Gallons	\$1.55	\$1.97+	\$2.34	\$2.53+
Total Bill	\$16.72	\$29.00	\$26.55	\$22.79
Rank (1=lowest)	1	4	3	2

# 2008 Water Rate Comparisons-Commercial (based on 2013 projected 41,630 gal/mo.)

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	Loveland 2008	Ft. Collins 2008	Greeley 2008	Longmont 2008
<b>Commercial: 41,630 gallons/mo.; 3/4" tap size</b>				
Monthly Base Charge	\$4.16	\$11.62	\$7.60	\$2.30
Usage Charge per 1,000 Gallons	\$1.50	\$2.02+	\$2.29	\$2.39
Total Bill	\$66.61	\$95.73	\$102.93	\$101.80
Rank (1=lowest)	1	2	4	3



# 2013 Water Rate Comparisons-Residential (based on 2013 projected 8,100 gallons/mo)

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	Loveland 2013	Ft. Collins (Current)	Greeley (Current)	Longmont 2013
<b>Residential: 8,100 gallons/mo.; ¾" tap size; Summer rates</b>				
Monthly Base Charge	\$10.07	\$14.42	\$10.00	\$4.36
Usage Charge per 1,000 Gallons	\$1.75	\$2.23+	\$3.56	\$1.89+
Total Bill	\$24.25	\$32.85	\$38.84	\$24.03
Rank (1=lowest)	2	3	4	1

# 2013 Water Rate Comparisons-Commercial (based on 2013 projected 41,630 gal/mo.)

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	Loveland 2013	Ft. Collins (Current)	Greeley (Current)	Longmont 2013
<b>Commercial: 41,630 gallons/mo.; 3/4" tap size; Summer rates</b>				
Monthly Base Charge	\$10.07	\$12.90	\$10.00	\$4.36
Usage Charge per 1,000 Gallons	\$1.76	\$2.24	\$3.22	\$2.55
Total Bill	\$83.34	\$106.28	\$144.05	\$110.52
Rank (1=lowest)	1	2	4	3

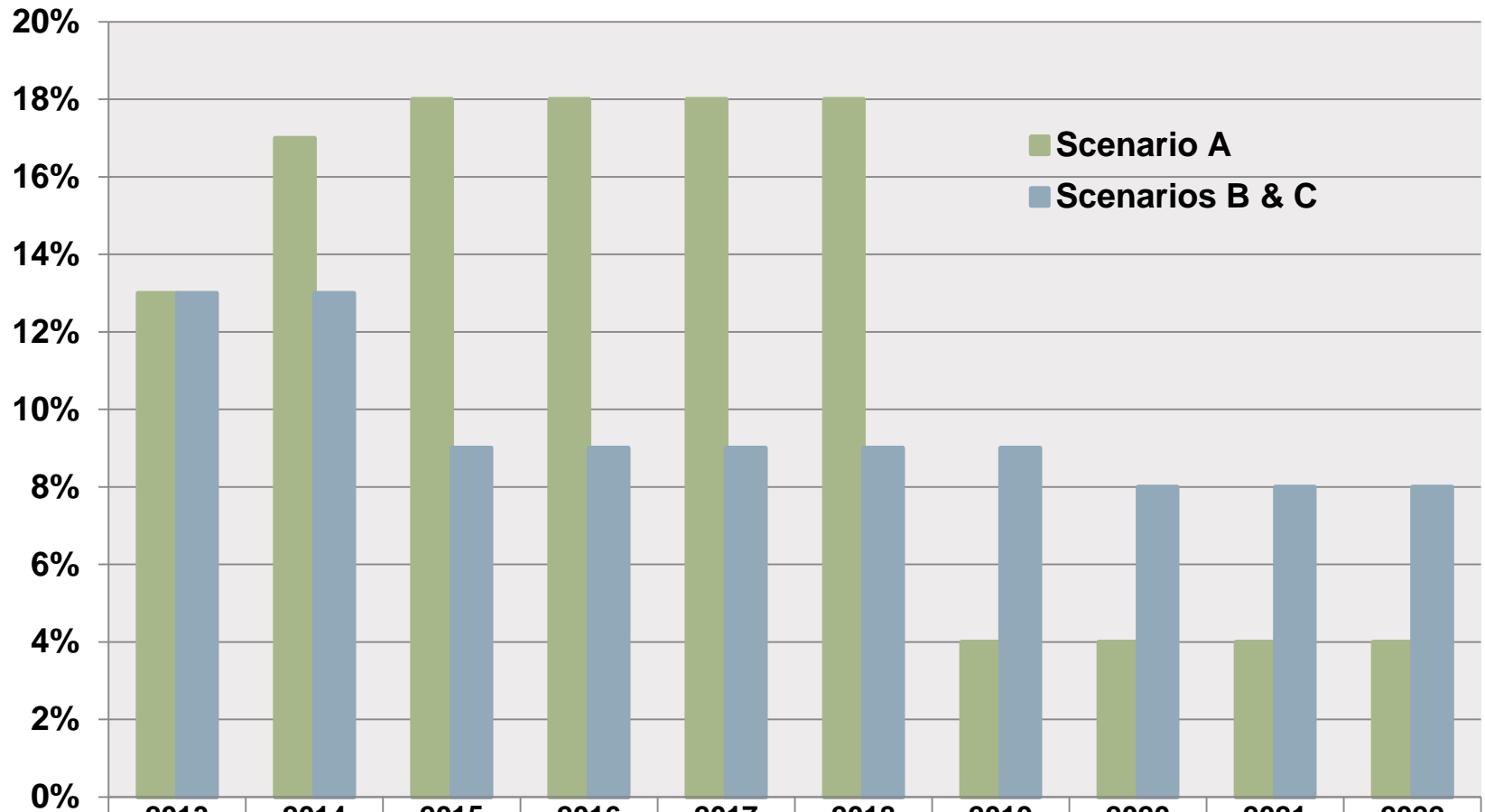
# History of Water Rate Changes 1990-2013 By Customer Class

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	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Overall Average Rate Increase	6.00%	5.00%	5.00%	5.00%	4.00%	4.00%	4.00%	4.00%	0.00%	0.00%	0.00%	-33.00%
% of Increase for Raw Water	2.00%	2.00%	4.00%	4.00%	3.00%	3.00%	3.00%	3.00%	0.00%	0.00%	0.00%	-26.70%
% of Increase for Operations	4.00%	3.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	0.00%	0.00%	0.00%	-6.30%
Residential	5.70%	5.00%	5.00%	5.00%	4.00%	4.00%	4.00%	4.00%	0.00%	0.00%	0.00%	-33.00%
Commercial	26.60%	5.00%	5.00%	5.00%	4.00%	4.00%	4.00%	4.00%	0.00%	0.00%	0.00%	-33.00%
Irrigation	5.70%	5.00%	5.00%	5.00%	4.00%	4.00%	4.00%	4.00%	0.00%	0.00%	0.00%	-33.00%

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Overall Average Rate Increase	0.00%	0.00%	0.00%	0.00%	4.75%	1.00%	1.00%	1.00%	1.00%	8.20%	6.00%	13.00%
% of Increase for Raw Water	0.00%	0.00%	0.00%	0.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
% of Increase for Operations	0.00%	0.00%	0.00%	0.00%	3.75%	0.00%	0.00%	0.00%	0.00%	7.20%	5.00%	12.00%
Residential	0.00%	0.00%	0.00%	0.00%	4.75%	1.00%	-10.00%	1.00%	1.00%	8.20%	6.00%	23.20%
Commercial	0.00%	0.00%	0.00%	0.00%	4.75%	1.00%	0.00%	1.00%	1.00%	8.20%	6.00%	6.10%
Irrigation	0.00%	0.00%	0.00%	0.00%	4.75%	1.00%	13.00%	1.00%	1.00%	8.20%	6.00%	5.00%

# Projected Annual Water Rate Increases 2013-2022



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Scenario A	13%	17%	18%	18%	18%	18%	4%	4%	4%	4%
Scenarios B & C	13%	13%	9%	9%	9%	9%	9%	8%	8%	8%

# Debt Service Comparison






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Scenario	Loan Amount	Loan Type	Interest Rate	Annual Debt Service	Total Interest Payments
<b>A</b>	\$16M	30 Year External Loan	3.4% (fixed)	\$820K	\$9.0M
<b>B</b>	\$12M	20 Year External Loan	3.05% (fixed)	\$800K	\$4.0M
<b>C</b>	\$10M	10 Year Internal Loan	1.7% (variable)	\$1.1M	\$1.0M (assuming 1.7%)
<b>D</b>	\$10M – 20 Yr External \$6M – 8 Yr Internal		3.05% (fixed) 1.5%-4.0% (variable)	\$675K + <u>\$843K</u> \$1.5M	\$4.1M

**NOTE: Scenario D requires General Fund contribution**

# Level of Funding Provided

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Scenario	Loan Amount	Loan Type	WTP	Line Replacements	First Year of Line Replacements
 A	\$16M	30 Year External Loan	Fully Funded (\$27.4M)	Fully Funded (\$23.5M)	2013
 B	\$12M	20 Year External Loan	Fully Funded (\$27.4M)	\$12.8M	2013
 C	\$10M	10 Year Internal Loan	Fully Funded (\$27.4M)	\$7.9M	2020
  D	\$10M – 20 Yr External \$6M – 8 Yr Internal		Fully Funded (\$27.4M)	\$17.5M	2013