REPORT TO
Utilities Rate Advisory Commission
City of Sacramento

1395 35th Ave. Sacramento, CA 95822
www.cityofsacramento.org/utilities

Discussion Calendar
11/14/2011

Honorable Chair and Members of
Utilities Rate Advisory Commission

Title: Requested follow-up items from October 26, 2011 Utilities Rate Advisory Commission Meetings

Location/Council District: (Citywide)

Recommendation: Review and File

Contact: Dave Brent, Interim Director, 808-1420 Department of Utilities

Presenters: Dave Brent

Department: Department of Utilities

Division: Administration

Organization No: 14001011

Description/Analysis

Issue: Several questions and requests for additional information was made by commissioners and the public during the October 26, 2011 meeting of the Utilities Rate Advisory Commission. As these questions were posed in a public setting, staff wishes to address and provide answers to these questions in a public setting.

Rational for Recommendation: The Department continues to remain committed toaccountibility and transparency in its operations and financial matters. This response is consistent with that commitment.

Financial Considerations: None

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Respectfully Submitted by: /s/. Dave Brent

Dave Brent
Interim Director

Attachments
Background
Potential Wholesale Water
5 Year Water CIP Program
Pipe Age Charts
Operating Costs Charts

Background

At the October 26, 2011 meeting of the Utilities Rate Advisory Commission, several requests for additional information were made by Commission Members and members of the public. Staff has compiled answers to all of the requests generated at that meeting, as noted below:

1. **Please provide the profit (gross versus net revenue) from the sale of water**

   We have five wholesale water customers/contracts.

   1. California American Water Company (Wholesale)
   2. Fruitridge Vista Water Company (Wholesale)
   3. Sacramento County Water Agency – Sacramento International Airport and Metro Air Park (Wholesale)
   4. Sacramento County Water Agency – Franklin Blvd. (Wheeling)
   5. Sacramento Suburban Water District (Wholesale)

   The rate for wholesale water customers is based on projected operating and CIP costs within the water fund that is not related to the distribution of water. We take the overall budget for operating and CIP within the water fund and reduce it by distribution related costs. These costs are identified as follows:

   · The overhead related to distribution is identified using the percentage of our pipes that is identified as being for distribution (12" or less) compared to our total pipes and applying that to the overhead costs.

   · The admin costs related to distribution is identified using the percentage of the percentage of our overhead costs for distribution to our total overhead costs and applying that to admin costs.

   · Unrelated CIP/MYOP costs are identified by the project managers.

   · All debt service is deemed unrelated since it was all debt related to distribution.

   · Non-operating revenue is backed out as well.

   · For Wheeling customers, water rights are also backed out.

   The total budgeted expenses calculated above are then divided by the prior year water production in acre feet to determine the cost per acre foot of water sold. Therefore, our wholesale rates reflects the department's actual costs to produce the treated water for wholesale customers, roughly the same cost for retail customers less the distribution-related costs.

2. **Please provide a list of likely wholesale customers for the sale of water**

   A list of likely wholesale customers was developed as part of the Department's Urban Water Management Plan, which was approved by the City Council in 2011. This list includes:

   - Sacramento County Water Agency Zone 40
   - Fruitridge Vista Water Agency

- Expansion of current wholesale customer agreements with California American Water Company and Sacramento Suburban Water District.

The complete list of potential wholesale customers can be found in Attachment 1 of this report.

3. **A further breakout of the 5 year CIP in terms of the specific projects**
   Spreadsheets containing the specific projects proposed in the Capital Improvement Program can be found in Attachment 2 of this report.

4. **A further breakout by years of the yellow color in the pie charts for the water and sewer projects was requested**
   New copies of this chart, reflecting the yellow portion of the pie chart broken into 10 year increments is attached to this report in Attachment 3.

5. **The recent history and future prospects for State and Federal grants.**
   Staff will provide this information during the Utilities Rate Advisory Commission Meeting on November 14, 2011.

6. **Suggestion regarding the public information program, ensue outreach to homeowners' organizations.**
   Neighborhood associations play a key role in communicating with our customers regarding this program. As part of Phase 1 of Your Utilities. Your Voice., neighborhood associations were reached out to via email by city staff and Councilmembers to participate in the survey process. In addition, staff attended community meetings with neighborhood leaders with the Neighborhood Services Department, attended the Mayor's Office Hours and prepared newsletter articles, which were sent to interested neighborhood leaders about the survey process. Staff also attended homeowners association meetings for Land Park Community Association and Hollywood Park Neighborhood association at the request of neighborhood leadership.

   Staff continues to remain committed to engaging with neighborhood leaders and is soliciting and accepting invitations to attend meetings throughout the City.

7. **Was the 12th Street water pipe related to RT construction? (question posed by Greg Hatfield, resident)**
   No, the project was not associated with the RT construction. In fact, the City saw some efficiencies by completing the project at the same time as the RT project was being done as the road was already ripped up for construction.

8. **Did we receive money from First5 for the fluoridation program? (question posed by Greg Hatfield, resident)**
   We have received word that we will be receiving a $550,000 grant from First5 to help offset the $3.7 million of immediate capital costs for needed upgrades. The City estimates that it will cost a total of

$29 million (in present day dollars) over 20 years to bring the system up to speed and supply chemical during that time.

Staff is working with First5 on contract language and will bring the proposed contract to City Council for approval before grant funds are accepted.

9. **How much money was spent for pipe replacement and where did this occur in the recent past? (question posed by Greg Hatfield, resident)**
   Staff will provide this information during the Utilities Rate Advisory Commission Meeting on November 14, 2011.

10. **A suggestion was made to add the failure rate next to the table related to the age of pipe (proposed by Greg Hatfield, resident)**
    Staff appreciates this suggestion and is working to incorporate it into future presentations.

11. **Why do we rehabilitate wells? (question posed by Greg Hatfield, resident)**
    The City's water supply is currently made up of about 85% surface water and 15% ground water. The ground water component is an important part of our water portfolio; providing reliability and an alternative source of drinking water when access to surface water is limited. There are four major reasons why the City's groundwater system is important and worth making the investment to rehabilitate.
    1. North Sacramento relies on groundwater for its water supply due to the layout of the distribution system (small pipe diameters connected to a centrally located groundwater well). To provide surface water throughout North Sacramento would require a substantial investment in upsizing the small pipes.
    2. Groundwater wells provide water reliability to City customers. During low flows on the American River, the City is required to reduce diversions off the American River and relies on groundwater wells to meet water demands.
    3. Groundwater wells can provide water during certain emergency situations: water treatment plant outage, river water contamination, etc.
    4. Groundwater wells provide the City an opportunity to generate revenue through surface/groundwater transfers.

12. **Why does Utilities paying in lieu property taxes and franchise fees since the City is exempt from paying property taxes and doesn't need to pay a franchise fee to itself?**
    The slide presented to the Utilities Rate Advisory Commission on October 26, 2011 noted "Property Tax" as an uncontrollable cost. As Mr. Hatfield pointed out, the City does not pay property tax and doesn't pay a franchise fee to itself. This label was actually meant to reflect property assessments, such as SAFCA assessments, which the City does pay. The slide has been updated for use in the future presentations. A copy can be found in Attachment 4 of this report.

13. **What is the cost of the public information program associated with Your Utilities. Your Voice.?**

The Department of Utilities has been criticized in the past for not working to engage the community enough in its discussions about services, its infrastructure and its financial forecasting. To help engage the community in these discussions, the Department has contracted with Crocker and Crocker for a total not-to-exceed contract amount of $160,395. This contract was approved by the City Council and is being paid for by the Department's public outreach and education account and the Director's Other Professional Services account. Their contract includes survey research (phone, written and online surveys) conducted in Phase 1 of the program, development and maintenance of the Your Utilities. Your Voice. website, video development and creation of the Your Utilities. Your Voice. introduction video and the infrastructure tour video, assistance in communication with neighborhood associations and the business associations, media relations assistance, assistance with the development of the Proposition 218 notification and graphic development. Services such as video development (including talent searching, filming and editing), graphic design, conducting and tabulating research data are outside of the skill set of our Public Information Team. In addition, given the current workload of our Public Information Officer, additional assistance was needed in some areas to help ensure success of our community engagement process.

14. **How does the Department intend to remain accountable for the expenditures over the next few years assuming that the Department is able to obtain rate increases for its services?**
The Department is putting together its accountability plan to share with customers how their money is being spent. This will include, but is not limited to:
    - An accurate listing on the Department's website of upcoming capital improvement projects for the upcoming fiscal year. Each project name will link to an information sheet which will show the project's criticality score and condition score (which was used to rank the project in the asset management system), its age, and current type of material.
    - At the end of each fiscal year, as part of the budget process, the Department will develop a review of the projects to have been completed in the previous fiscal year with funds from the rate adjustment. It will publicly report all projects completed and publicly explain why any other projects were not completed during that time. It will also state estimated project costs (proposed vs. actual) and provide a list of projects for the upcoming fiscal year.
    - This report will be made to the Utilities Rate Advisory Commission, provided to the City Council and will be placed on the Department's website for review.

Table 14 Potential Sales to Other Water Agencies (Guidebook Table 9) 2010 Urban Water Management Plan City of Sacramento							
Customer	**Sales, AFY**						
	2005	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**
Sacramento International Airport and Metro Air Park	0	296	1,876	3,456	5,036	5,293	5,293
Sacramento Suburban Water District - Town and Country System(1)	0	2,225	16,593	16,593	16,593	16,593	16,593
California American Water Company - Arden	0	0	228	457	685	913	913
California American Water Company - Rosemont	0	0	1,540	3,080	4,620	6,160	6,160
California American Water Company - Parkway	2,478	1,030	1,120	2,240	3,360	4,480	4,480
Sacramento County Water Agency Zone 40 Wholesale	0	0	2,661	5,322	7,983	10,644	10,644
Sacramento County Water Agency Zone 40 Wheeling	4,720	1,540	3,088	6,175	9,263	12,350	12,350
Fruitridge Vista Water Company	0	0	3,629	3,629	3,629	3,629	3,629
Total, AFY	**7,198**	**5,091**	**30,735**	**40,952**	**51,169**	**60,062**	**60,062**

Notes: "Guidebook Table X" refers to a specific table in the "Guidebook to Assist Urban Water Suppliers to Prepare of 2010 Urban Water Management Plan" by DWR. Source: 2005 data from the City annual Report. 2010 data from spreadsheet titled WaterFlow2010.xlxs provided by the City. 1. This is the maximum that Sacramento Suburban Water District (SSWD) would take if American River Water was available throughout the year, and if SSWD elected to purchase it from the City. See Chapter 4 regarding diversion limitations.

5-YEAR WATER CIP PROGRAM					
	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17
	1 year	2 year	3 year	4 year	5 year
PROGRAMMATIC CIPs	**$4,291,250**	**$4,163,250**	**$3,193,000**	**$3,288,000**	**$3,553,000**
Reserve/Miscellaneous	**$2,476,250**	**$2,678,250**	**$2,183,000**	**$2,428,000**	**$2,543,000**
Base CIP Reserve (10%) ***	$1,006,250	$1,208,250	$1,338,000	$1,583,000	$1,698,000
Unplanned Corrective Maintenance - Emergency Repair	$250,000	$250,000	$250,000	$250,000	$250,000
Asset Management	$50,000	$50,000	$50,000	$50,000	$50,000
Condition Assessment	$1,000,000	$1,000,000	$375,000	$375,000	$375,000
Fire Hydrant & Gate Valve Replacement	$150,000	$150,000	$150,000	$150,000	$150,000
Grant Writer	$20,000	$20,000	$20,000	$20,000	$20,000
Regulatory	**$735,000**	**$635,000**	**$810,000**	**$660,000**	**$410,000**
Utilities ADA Improvements	$10,000	$10,000	$10,000	$10,000	$10,000
Backflow Prevention Devices	$200,000	$200,000	$200,000	$200,000	$200,000
Air Quality - Generators	$0	$0	$250,000	$250,000	$0
Drinking Water Quality (LIMS software - $200K 1st year)	$300,000	$175,000	$100,000	$100,000	$100,000
Water System Security (Homeland Security)	$125,000	$150,000	$150,000	$0	$0
Groundwater Protection Program (well abandonment)	$100,000	$100,000	$100,000	$100,000	$100,000
Planning	**$100,000**	**$100,000**	**$100,000**	**$100,000**	**$500,000**
Water Supply Master Planning	$100,000	$100,000	$100,000	$100,000	$500,000
Information Technology	**$980,000**	**$750,000**	**$100,000**	**$100,000**	**$100,000**
IT Projects (audit response)	$250,000	$250,000	$100,000	$100,000	$100,000
Utility Energy Efficiency (water optimization software)	$500,000	$500,000	$0	$0	$0
CMMS (replace Cityworks) *	$230,000	$0	$0	$0	$0
REHABILITATION & REPLACEMENT	**$156,777,500**	**$9,127,500**	**$11,525,000**	**$32,125,000**	**$15,125,000**
**Pipe - Transmission Main ** **	**$1,100,000**	**$2,200,000**	**$3,300,000**	**$4,400,000**	**$5,500,000**
Miles of pipe installed	**0.3**	**0.7**	**0.8**	**1.2**	**1.8**
9th St - E to H Sts	$772,727				
9th St - H to I Sts	$257,576				
9th St - I St to K/L Alley		$684,508			
9th St - K/L Alley to Capitol Mall		$386,364			
12th & L Sts to 14th & K Sts		$772,727			
14th St - J to I Sts		$257,576			
14th St - I to H Sts		$257,576			
Stockton Blvd - 2nd Ave to Broadway			$1,076,667		
Broadway - Stockton Blvd to 53rd St			$1,766,970		
Broadway - 5th to Martin Luther King Blvd				$2,534,545	
Martin Luther King Blvd - Broadway to 9th Ave				$755,341	
Alhambra Blvd - Hwy50 to X St				$334,848	
Alhambra Blvd @ X/Y Alley				$38,636	
Alhambra Blvd @ X St				$90,152	
Alhambra Blvd & J/K Alley to Alhambra Reservoir				$354,167	
J St - 41st to 51st Sts					$1,931,818
24th St - Broadway/X Alley to 5th/Donner Alley					$2,704,545
R St - 34th to 40th Sts					$1,513,258
**Pipe - Distribution Main ** **	**$1,500,000**	**$3,000,000**	**$4,500,000**	**$6,000,000**	**$7,500,000**
Miles of pipe installed	**2.0**	**3.0**	**4.2**	**6.2**	**5.4**
Project #1 (10,765 ft - 2 miles)	$2,000,000				
Boundary: 4th Ave - 22nd St - Broadway - 99 Fwy					
Project #2 (16,325 ft - 3 miles)		$3,000,000			
Boundary: 4th Ave - 99 Fwy - Broadway - San Joaquin St					
Project #3 (22,395 ft - 4.2 miles)			$4,200,000		

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Boundary: Broadway - Sac River - T St - 34th St					
Project #4 (32,500 ft - 6.2 miles)				$6,200,000	
Boundary: Broadway - Sac River - R St - 20th St					
Project #5 (40,540 ft - 7.7 miles)					$7,700,000
Boundary: R St - Sac River - Capitol Mall - 20th St					
Reservoirs	**$100,000**	**$100,000**	**$100,000**	**$100,000**	**$100,000**
Wells	**$2,000,000**	**$2,000,000**	**$2,000,000**	**$2,000,000**	**$2,000,000**
2 Wells per year *****	2 wells	2 wells	2 wells	2 wells	2 wells
Treatment Plants	**$150,600,000**	**$600,000**	**$600,000**	**$18,600,000**	**$0**
Sacramento River	$150,000,000	$0	$0	$0	$0
E.A. Fairbairn (rehab filters 1-8)	$0	$0	$0	$18,000,000	$0
E.A. Fairbairn (replace filter media 9-16)	$500,000	$500,000	$500,000	$500,000	$0
Pump Replacement Program (high and low lift pumps)	$100,000	$100,000	$100,000	$100,000	$0
Building	**$477,500**	**$227,500**	**$25,000**	**$25,000**	**$25,000**
Meter Shop Improvements	$102,500	$102,500	$0	$0	$0
Fullertown House Improvements	$100,000	$100,000	$0	$0	$0
Warehouse Storage Building *	$250,000	$0	$0	$0	$0
Misc - Facility Repair	$25,000	$25,000	$25,000	$25,000	$25,000
Other	**$1,000,000**	**$1,000,000**	**$1,000,000**	**$1,000,000**	**$0**
Fluoride Equipment Rehab	$1,000,000	$1,000,000	$1,000,000	$1,000,000	$0
IMPROVEMENT	**$0**	**$0**	**$0**	**$1,000,000**	**$20,000,000**
South Sacramento T-Main ****	$0	$0	$0	$1,000,000	$20,000,000
RESIDENTIAL WATER METER PROGRAM through 2025 (Option 1)	**$13,920,000**	**$19,020,000**	**$24,120,000**	**$34,533,112**	**$34,533,112**
Pay Go	$1,532,308	$1,632,308	$1,732,308	$1,712,308	$1,712,308
Finance	$12,387,692	$17,387,692	$22,387,692	$32,820,804	$32,820,804
TOTAL	**$174,988,750**	**$32,310,750**	**$38,838,000**	**$70,946,112**	**$73,211,112**

*** Multi-funded**

**** Estimated 100-Year Useful Life**

***** Excludes Treatment Plants @ $150M & $18M, Water Meter Program, and Improvement/Development**

****** Bonding for $20M transmission main to Florin Road**

******* 10 wells are currently being assessed and ranked for rehab**

TOTAL ASSET REPLACEMENT COST = $3.3 BILLION

5-YEAR SEWER CIP PROGRAM					
	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17
	1 year	2 year	3 year	4 year	5 year
PROGRAMMATIC CIPs	**$5,814,500**	**$15,834,000**	**$4,711,500**	**$16,216,500**	**$25,816,500**
Reserve/Miscellaneous	**$1,124,500**	**$2,049,000**	**$1,026,500**	**$2,106,500**	**$3,006,500**
Base CIP Reserve (10%) ****	$704,500	$1,629,000	$606,500	$1,686,500	$2,586,500
Unplanned Corrective Maintenance - Emergency Repair	$250,000	$250,000	$250,000	$250,000	$250,000
Asset Management	$50,000	$50,000	$50,000	$50,000	$50,000
Condition Assessment	$100,000	$100,000	$100,000	$100,000	$100,000
Grant Writer	$20,000	$20,000	$20,000	$20,000	$20,000
Regulatory	**$4,060,000**	**$13,385,000**	**$3,435,000**	**$13,860,000**	**$22,560,000**
SSMP/CSPA Repair/Replacement (5's) ***	$1,000,000	$1,000,000	$2,450,000	$2,450,000	$2,450,000
SSMP/CSPA Repair/Replacement I&I and Capacity Assurance ***	$0	$0	$0	$0	$1,000,000
NPDES - CSS Improvement Plan	$0	$0	$0	$0	$0
7th Street K to P	$2,500,000	$0	$0	$0	$0
Curtis Park Storage	$0	$12,000,000	$0	$0	$0
L Street 7th to 9th Street	$0	$0	$600,000	$0	$0
Oak Park Regional Storage	$0	$0	$0	$10,000,000	$0
McKinley Village Regional Storage	$0	$0	$0	$1,000,000	$19,000,000
Flow Monitoring/Hydrology	$100,000	$100,000	$100,000	$100,000	$100,000
Utility ADA Improvements	$10,000	$10,000	$10,000	$10,000	$10,000
Air Quality - Generators	$50,000	$50,000	$50,000	$150,000	$0
Sewer System Security (Homeland Security)	$50,000	$75,000	$75,000	$0	$0
Update CSS Improvement Plan	$200,000	$0	$0	$0	$0
Flow metering	$150,000	$150,000	$150,000	$150,000	$0
Planning	**$150,000**	**$150,000**	**$150,000**	**$150,000**	**$150,000**
Combined Sewer System Planning	$50,000	$50,000	$50,000	$50,000	$50,000
Sewer System Master Planning	$100,000	$100,000	$100,000	$100,000	$100,000
Information Technology	**$480,000**	**$250,000**	**$100,000**	**$100,000**	**$100,000**
IT Projects (audit response)	$250,000	$250,000	$100,000	$100,000	$100,000
CMMS (replace Cityworks) *	$230,000	$0	$0	$0	$0
REHABILITATION & REPLACEMENT	**$1,935,000**	**$2,085,000**	**$1,960,000**	**$2,335,000**	**$2,635,000**
Pipe - Combined System (NPDES) **	**$400,000**	**$800,000**	**$1,200,000**	**$1,600,000**	**$2,000,000**
Miles of pipe installed	**0.1**	**0.3**	**0.5**	**0.4**	**1.2**
Replacement Projects					
3200 J Street Easement Pipe Replacement - 336 FT	$139,951				
L St Pipe Replacement, 22nd to 23rd Streets - 373 FT	$250,925				
O/P St. Alley Replacement, 17th to 18th St - 402 FT		$197,165			
H/I Alley Replacement, 22nd to 23rd St - 398 FT		$246,671			
Bear Flag Wy Pipe Replacement, I to J St - 807 FT		$337,335			
P/Q Alley Replacement, 26th to 27th St - 776 FT			$392,460		
Donner/5th Ave Alley Replacement, 26th to 27th St - 540 FT			$256,324		
S/T Alley Replacement, 9th to 10th St - 370 FT			$229,868		
14th St & D/E alley btwn 13th & 15th - 700 FT			$472,161		
3030 Capitol Ave - 360 FT				$184,506	
32nd St btwn X & Y St - 160 FT				$159,140	
1254 Sunland Vista - 140 FT				$128,193	
Broadway and 39th Street - 302 FT				$233,990	
24th Street from 3rd Ave to Castro Way - 470 FT				$334,172	
1608 Q Street - 270 FT				$234,241	
1700 Santa Ynez - 300 FT				$223,100	
V/W Alley from 14th-15th St - 352 FT				$273,018	
Lining Projects					
4730 J St - 340 FT					$59,958
East Curtis & 7th Ave Easement - 815 FT					$99,198

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1116 Alhambra Blvd - 298 FT					$55,811
1782 11th Ave - 225 FT					$33,282
Btwn Y St and Sherman Wy - 429 FT					$61,086
Easement btwn 22 & 23rd st & 9th to 10th St. - 601 FT					$96,390
4th Ave & 22nd St - 205 FT					$31,307
715 19th St - 417 FT					$67,561
3421 I Street - 529 FT					$78,620
Easement 43rd-44th St- 12th-13th Ave - 225 FT					$33,282
Bursting Projects					
1800 3rd Street - 383 FT					$211,566
Sherman Way/Y Street Easement from Miller Way to 39th St - 750 FT					$283,191
Special Projects					
1913 D Street - 450 FT					$340,000
1914 L Street - 400 FT					$300,000
1901 F Street - 400 FT					$300,000
Potential Projects (TBD)					
estimated 20 miles being evaluated					$0
Pipe - Separated System (SSMP/CSPA) **	**$0**	**$0**	**$0**	**$0**	**$0**
Miles of pipe installed	**0.7**	**0.7**	**1.6**	**1.6**	**1.6**
Replacement Projects					
Congress Ave. Pipe Replacement - 354 FT	$143,316				
Gloria Ave Pipe Failure Replacement - 212 FT	$101,152				
Lampasas and Frove Ave Pipe Replacement - 2,235 FT	$1,087,382				
Harbor Lt btwn Riverwind & Zephyr Ranch - 260 FT		$132,413			
Del Rio and Campbell ln - 75 FT		$56,286			
5621 Milner Way - 650 FT		$245,188			
Lining Projects					
Easement btwn 32nd Ave & Claudia Dr - 1,816 FT		$225,588			
560 Franklin/Fruitridge - 423 FT		$59,773			
St Josephs Ave - 427 FT		$75,483			
5281 25th St - 115 FT		$29,886			
7085 Remo Way - 144 FT		$32,699			
19th Ave and 32nd St - 587 FT		$30,081			
1410 Birchwood Lane - 372 FT		$70,779			
4631 Larson Way - 498 FT		$90,033			
2931 Altos Ave - 117 FT			$22,419		
Easement btwn Armington and Ferran Way - 300 FT			$47,837		
7651 Laurie Way - 297 FT			$47,546		
38th St btwn H & KcKinley Blvd - 1300 FT			$162,409		
4361 Larson Way - 300 FT			$47,837		
5605 Bradd in Easement - 974 FT			$128,562		
35th St, East of Park Village St. - 1,544 FT			$191,534		
St Josephs and Fruitridge - 345 FT			$52,204		
2020 Quincy Ave - 415 FT			$58,997		
28th St and 16th Ave - 145 FT			$32,797		
Easement btwn Hillsboro and Del Rio - 676 FT			$99,645		
Easement btwn 58th and 59th Streets - 753 FT			$100,738		
7225 17th St & 1708 Wakefield - 466 FT			$71,606		
6017 13th Street - 330 FT			$58,409		
5941 Newman Ct - 455 FT			$63,653		
Easement btwn Grove and Edgewater - 380 FT			$58,835		
Bursting Projects					
Main between Grove St and Bay Ct - 380 FT			$151,223		
Deeble Street and Atlas Ave - 250 FT			$145,915		
Easement 50th-51st St- W. of Golfview - 400 FT			$169,946		
Special Projects					
Invert Arden Creek Siphon - ?			$300,000		
Easement East of Benbow St - 130 FT			$100,000		
Babette & 23rd St. - 560 FT			$420,000		
Hogan btwn Monifieth & Middlecoff Wy - 133 FT			$100,000		
Potential Projects (TBD)					
estimated 20 miles being evaluated				$2,500,000	$2,500,000
Sumps (electrical rehab)	**$400,000**	**$450,000**	**$75,000**	**$50,000**	**$200,000**

PROJECT COSTS IN THIS SECTION ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT INCLUDED IN SPREADSHEET

85	$200,000	$0	$0	$0	$0
146	$100,000	$0	$0	$0	$0
145	$100,000	$0	$0	$0	$0
137	$0	$400,000	$0	$0	$0
143	$0	$50,000	$0	$0	$0
40	$0	$0	$75,000	$0	$0
81	$0	$0	$0	$50,000	$0
Other	$0	$0	$0	$0	$200,000
Sumps (other)	**$150,000**	**$150,000**	**$150,000**	**$150,000**	**$150,000**
Other	$150,000	$150,000	$150,000	$150,000	$150,000
Sump 1/1A (other)	**$10,000**	**$10,000**	**$10,000**	**$10,000**	**$10,000**
Other	$10,000	$10,000	$10,000	$10,000	$10,000
Sump 2/2A (other)	**$100,000**	**$100,000**	**$100,000**	**$100,000**	**$100,000**
Other	$100,000	$100,000	$100,000	$100,000	$100,000
CWTP (electrical rehab)	**$200,000**	**$150,000**	**$0**	**$0**	**$0**
MCC "B"	$100,000	$0	$0	$0	$0
MCC "D"	$100,000	$0	$0	$0	$0
Chem Building/Control Room	$0	$150,000	$0	$0	$0
CWTP (other)	**$250,000**	**$250,000**	**$250,000**	**$250,000**	**$50,000**
Potable/non potable Replacement Study	$50,000	$150,000	$150,000	$150,000	$0
Service Road (NEW)	$100,000	$0	$0	$0	$0
Chemical Tank Replacement	$50,000	$50,000	$50,000	$50,000	$0
Other	$50,000	$50,000	$50,000	$50,000	$50,000
Pioneer	**$100,000**	**$100,000**	**$100,000**	**$100,000**	**$50,000**
Chemical Tank Replacement	$50,000	$50,000	$50,000	$50,000	$0
Other	$50,000	$50,000	$50,000	$50,000	$50,000
Manholes	**$50,000**	**$50,000**	**$50,000**	**$50,000**	**$50,000**
Building	**$275,000**	**$25,000**	**$25,000**	**$25,000**	**$25,000**
Warehouse Storage Building *	$250,000	$0	$0	$0	$0
Misc - Facility Repair	$25,000	$25,000	$25,000	$25,000	$25,000
TOTAL	**$7,749,500**	**$17,919,000**	**$6,671,500**	**$18,551,500**	**$28,451,500**

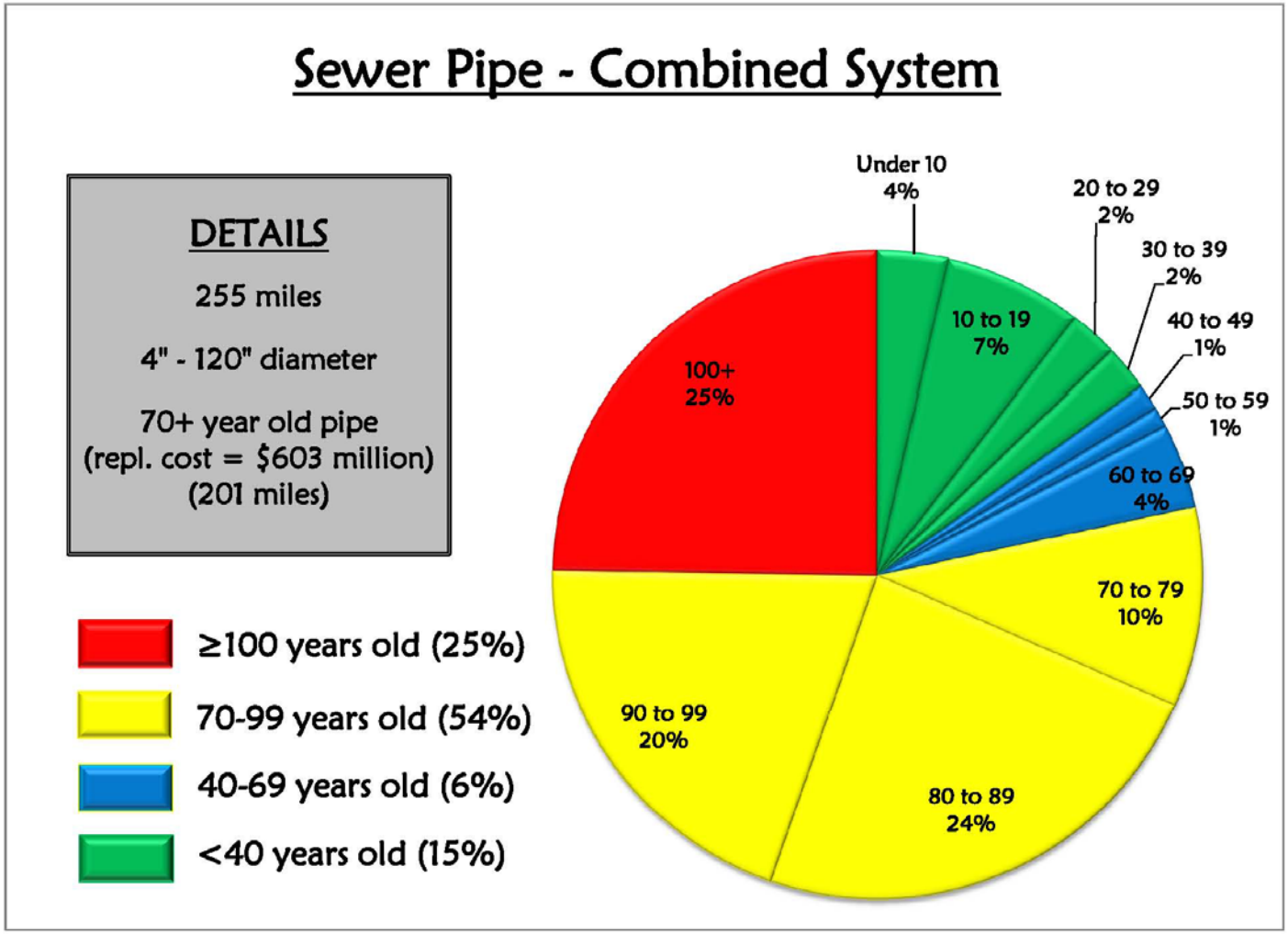
*** Multi-funded**

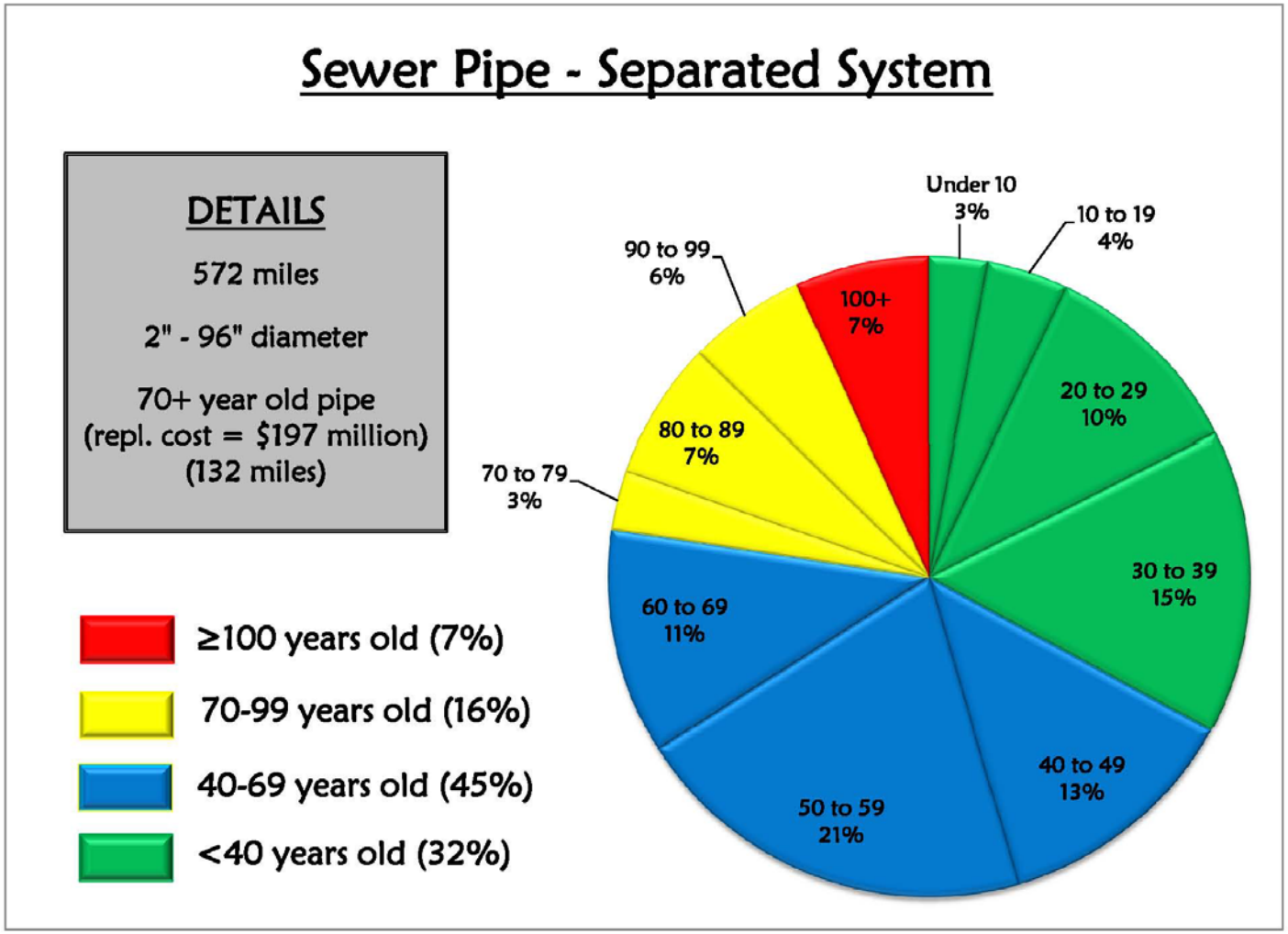
**** Estimated 70-Year Useful Life**

***** Per Consent Decree**

****** Excludes Improvement/Development**

TOTAL ASSET REPLACEMENT COST = $2.2 BILLION


Sewer Pipe - Combined System
DETAILS
255 miles
4" - 120" diameter
70+ year old pipe
(repl. cost = $603 million)
(201 miles)
≥100 years old (25%)
70-99 years old (54%)
40-69 years old (6%)
<40 years old (15%)
Under 10
4%
20 to 29
2%
30 to 39
2%
40 to 49
1%
50 to 59
1%
60 to 69
4%
70 to 79
10%
80 to 89
24%
90 to 99
20%
100+
25%
10 to 19
7%


Sewer Pipe - Separated System
DETAILS
572 miles
2" - 96" diameter
70+ year old pipe
(repl. cost = $197 million)
(132 miles)
≥100 years old (7%)
70-99 years old (16%)
40-69 years old (45%)
<40 years old (32%)
Under 10
3%
10 to 19
4%
20 to 29
10%
30 to 39
15%
40 to 49
13%
50 to 59
21%
60 to 69
11%
70 to 79
3%
80 to 89
7%
90 to 99
6%
100+
7%

Water Pipe - Distribution Mains

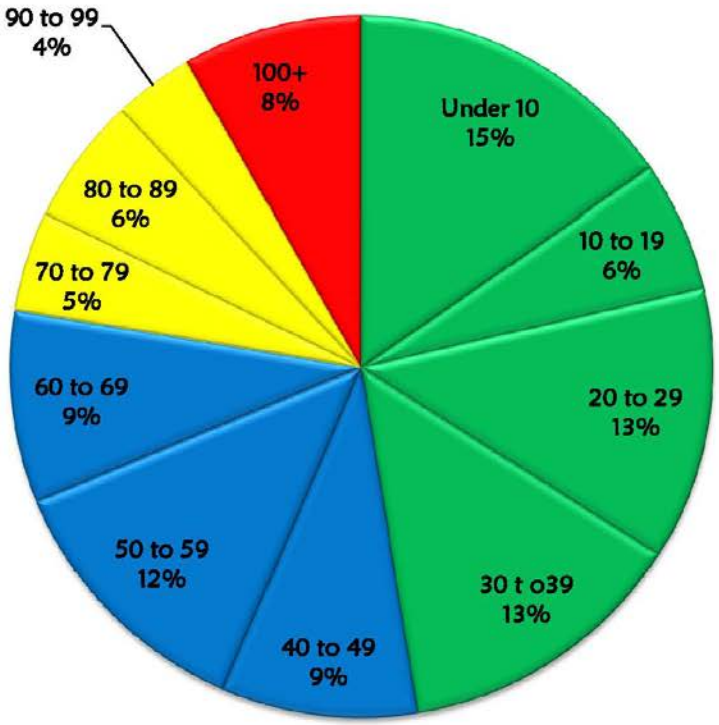
DETAILS

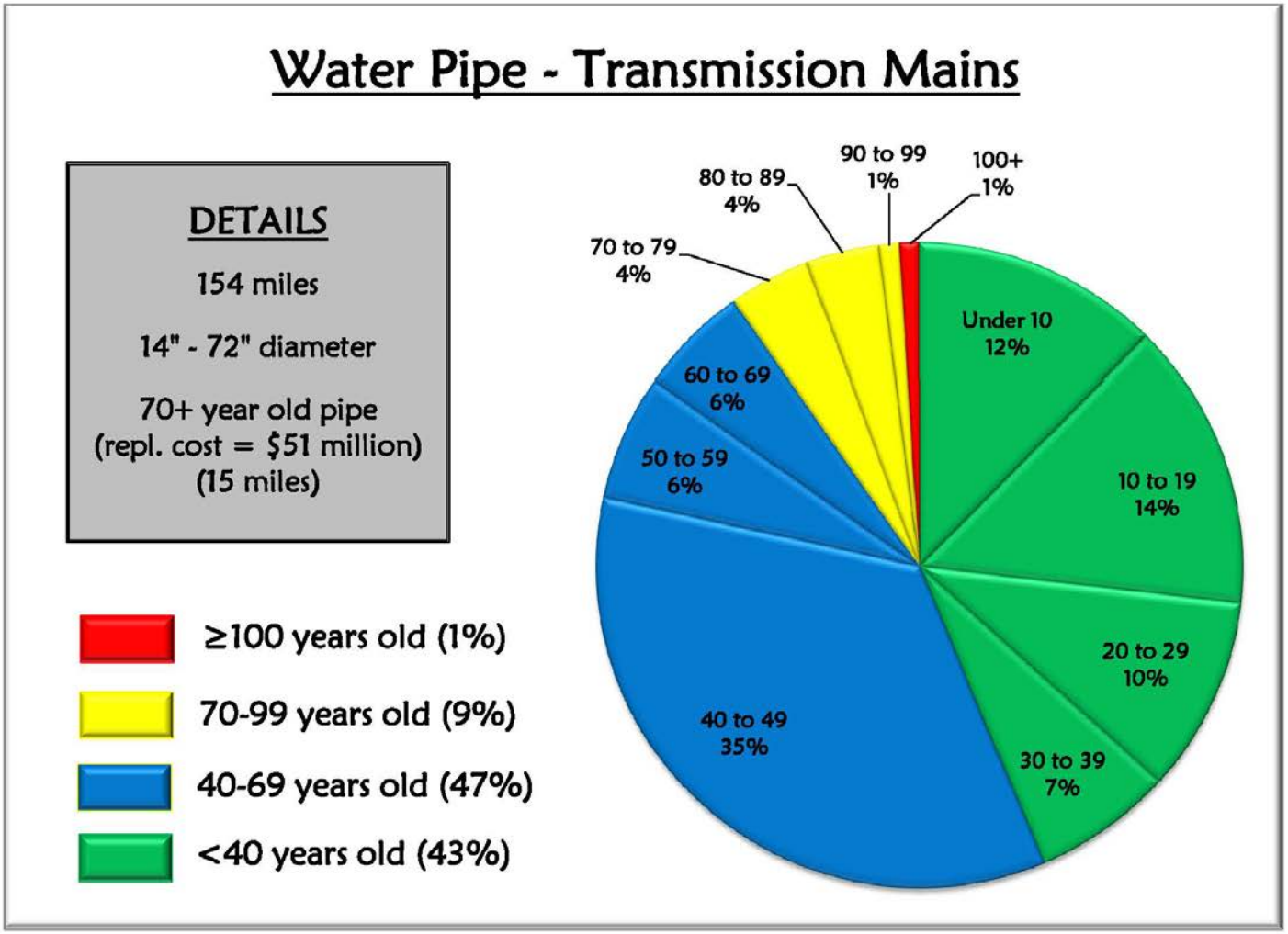
1,440 miles

1" - 12" diameter

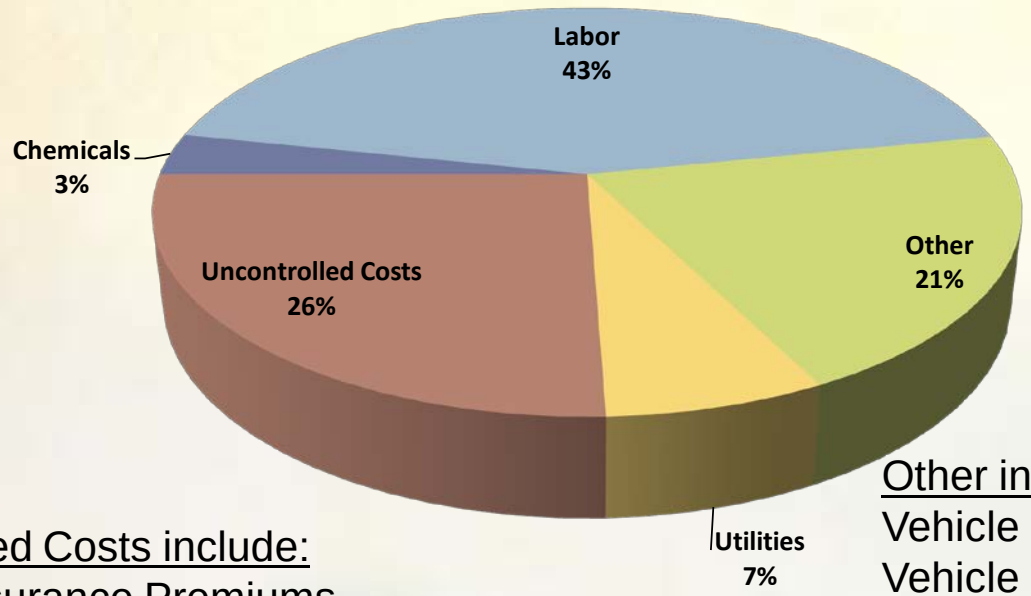
70+ year old pipe
(repl. cost = $331 million)
(331 miles)

- ≥100 years old (8%)
- 70-99 years old (15%)
- 40-69 years old (30%)
- <40 years old (47%)




Water Pipe - Transmission Mains
DETAILS
154 miles
14" - 72" diameter
70+ year old pipe
(repl. cost = $51 million)
(15 miles)
≥100 years old (1%)
70-99 years old (9%)
40-69 years old (47%)
<40 years old (43%)
Under 10
12%
10 to 19
14%
20 to 29
10%
30 to 39
7%
40 to 49
35%
50 to 59
6%
60 to 69
6%
70 to 79
4%
80 to 89
4%
90 to 99
1%
100+
1%

FY12 Percentage of Operating Costs for Waste and Wastewater



Uncontrolled Costs include:
Liability Insurance Premiums
Bad Debt Expense
Assessments
Cost Plan
General Fund Tax

Other includes:
Vehicle Replacement
Vehicle Repair/Maintenance
Fuel
Other Professional Services

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