

DWSD-R: POST BIFURCATION OVERVIEW

FRC DISCUSSION 12/21/2015

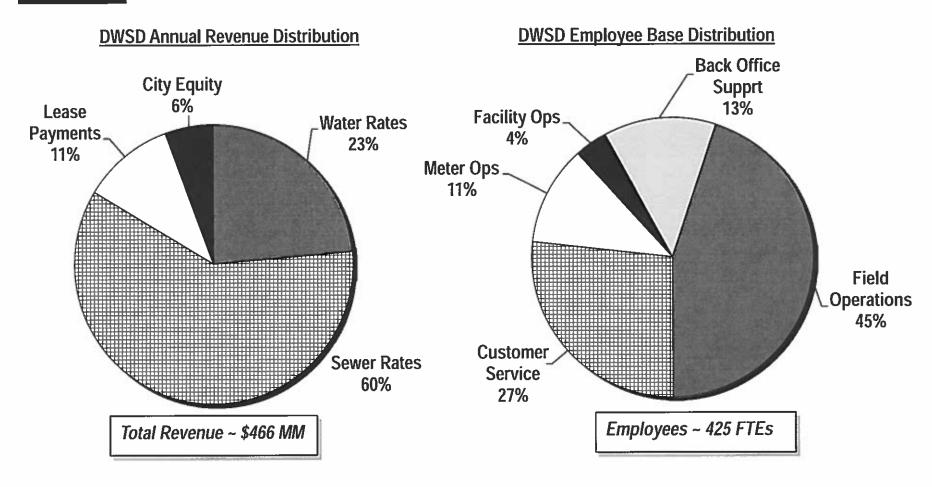
The conditions precedent for the leasing of water and sewer operating assets to GLWA have been completed; allowing for a January 1 bifurcation of DWSD



- Bondholder consents have been secured
- ► Shared services agreements between DWSDR and GLWA have been approved by the BOWC, Mayor and the GLWA board
- ► Agreement on methodology for allocating pension funding and investment expenses to GLWA / DWSDR has been completed
- ▶ Wholesale customers have agreed to the assignment of contracts from DWSDR to GLWA

After the 1/1/2016 bifurcation of DWSD the remaining local system will be a 425 employee \$466 million organization





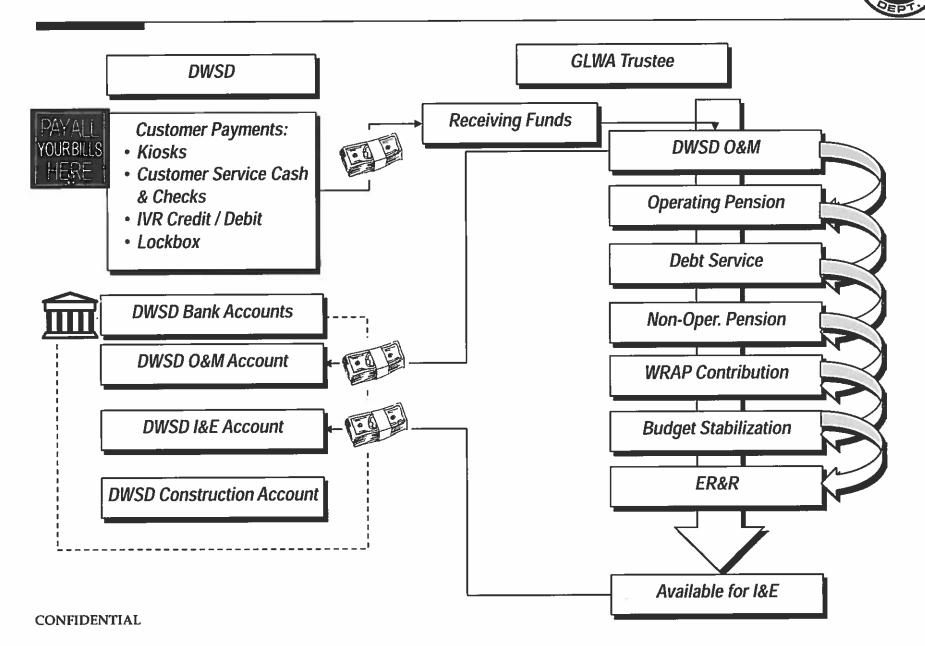
- Currently operating with approximately 394 FTE's
- Biggest headcount gaps in meter operations and customer service

DWSD has assembled an executive team with a broad array of experience to move the operations forward



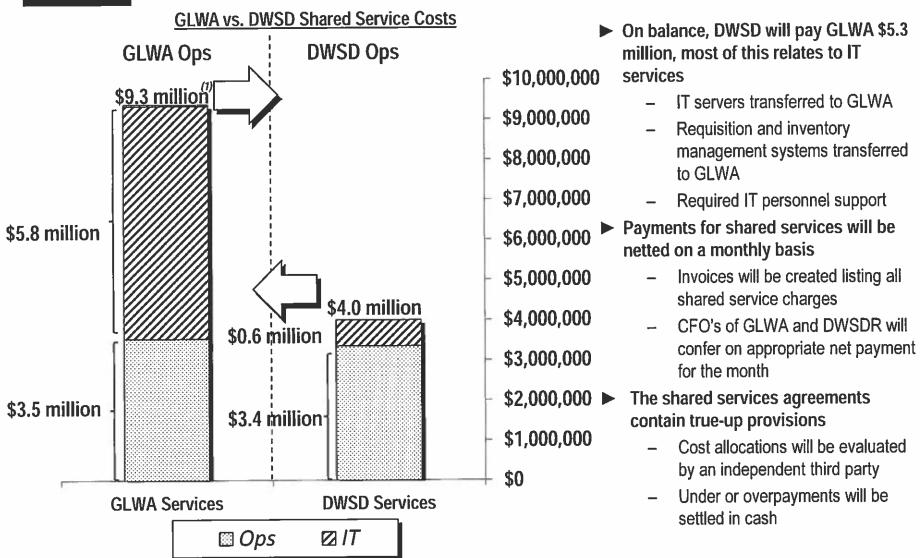
Team Member	Position	Background
Gary Brown	Executive Director	 BS Degree from Wayne State University Master's Interdisciplinary Technology - Eastern Michigan University 26 Years - Detroit Police Executive 3.5 Years - President Pro Tem - Detroit City Council 18 Months Chief Operating Officer - City of Detroit (Bankruptcy) 2 Years Chief Operating Officer - Mayor Michael Duggan Administration 18 Months - Member of Root Cause Committee for DWSD under Judge Sean Cox Vice Chair of Great Lakes Water Authority Interim Director of DWSD
Rob Presnell	Chief Operating Officer	 Tier One Consulting background in Strategy, Operations and Technology MBA from Ross School of Business at the University of Michigan Served as Chief of Staff and Special Projects for Detroit COO during bankruptcy Experience with both public and private entities delivering multi-million dollar transformation projects
Palencia Mobley	Deputy Director / Chief Engineer	 15 Years of Engineering Planning, Design and Construction Experience for municipal water and wastewater utilities Licensed for 10 Years as Professional Engineer in the State of Michigan BS Chemical Engineering (University of Michigan) and MS Civil Engineering (Wayne State University) Specializes in Asset Mgmt. and Capital Improvement Program Mgmt. Focused on data driven decision making for optimal organizational efficiency
Marcus Hudson	Chief Financial Officer	 23 Years of Financial, Operational, and Strategy experience MBA from University of Michigan Extensive restructuring experience CPA, CMA, Certified Turnaround Professional, Certified Insolvency & Restructuring Advisor Served as VP of Purchasing / Supply Chain and Treasurer for \$1 billion public company

DWSD continues to collect retail revenues; however, collections are pledged to GLWA and run through a "flow of funds" before DWSD can use for I&E



DWSD and GLWA will continue to share certain back office functions; each party will pay the other for services received

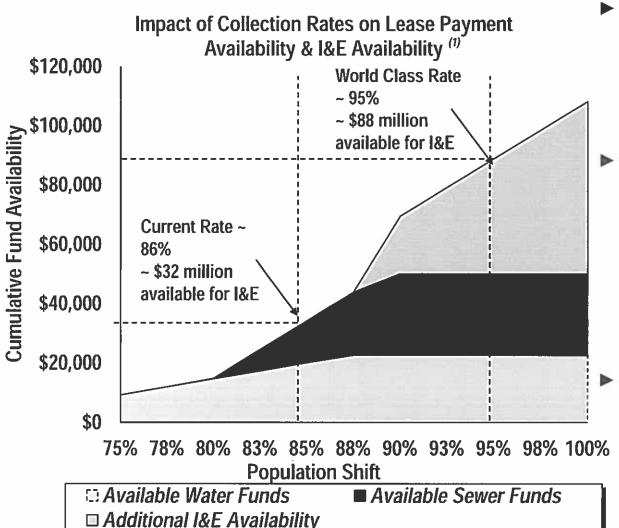




(1) Excludes approximately \$38,000 in payment for procurement services CONFIDENTIAL

DWSD's ability to generate funds for system improvement will ride on our ability to improve and sustain our collection rate above 85%





- ► DWSD lease payments can be used for one of three purposes
 - Paydown of debt in support of rates
 - Improvement & extension of the local system
 - Monetization for construction
- ► In FY 2016, DWSD used approximately \$22 million to support rates; without improvement in collection rates this amount is likely to continue
 - Volumes are flat to declining
 - Organization has already reduced headcount significantly
 - Costs are likely to rise, not fall going forward
 - World class collection rates exceed 95%; achieving this rate would raise an additional \$56 million for investment
 - Cut system replacement time from 50 years to 20
 - Improve self funding viability
 - Improve pipe leakage issues; reducing customer costs

Shut-offs will only take us so far – optimizing the collection rate requires redefining DWSD as a customer oriented organization; this is our mission



Refocusing DWSD Priorties

- ► While shut-offs can be somewhat successful in driving increased collection; it's limited in its ability to drive sustainable value
 - Expensive to conduct
 - Promotes conflict between the utility and the customer and a desire to "beat the system"
 - Doesn't address root causes of non-payment including accessibility and affordability
- ► Reaching the goal of making DWSD a world class organization will require a different approach: the customer has to be first. Accordingly, we are redefining the priorities of our organization...
- ► ...First priority: Improve customer service
- ...Second priority: See our first priority
- ...Third priority: See the first two priorities

To hit the ground running, we have already begun formulating projects around the "three A's" of customer management to support our mission



DWSD Project Focus / Thought Starters

Three A's	Purpose	Projects / Studies	Potential Impact
Accountability	Drive personal accountability to customers that have an ability to pay	 Upgrading of IT systems to become PCI compliant Linking of accounts to names and social security numbers Changes in account opening process Examination of landlord / tenant requirements 	 Tie accounts to responsible parties; decreasing ability to "walk away" from bad debt Redirect bills to parties ultimately responsible for properties Decrease bad debts built into rate structure
Accessibility	 Improve convenience of paying for customers Increase customers ability to contact DWSD 	 Leverage of DTE payment Kiosk infrastructure Upgrading / improving of IVR system Centralized complaint system 	 Increased customer payment touch points Quicker / focused response to customer complaints Improvement in cash collections
Affordability	Minimize cost of service for all customer classes and ensure equitable allocation of costs between classes	 Blue Ribbon Panel study Examination of rate allocations & wholesale rate advocacy Investment in green infrastructure Investigation into broader fund source for plumbing retrofit Revision of drainage charges 	 Lower costs for low usage customers Improve efficiency of system Improve efficiency of extended infrastructure; i.e., housing stock Reduce allocation of fixed charges to retail customers

Though there is some low hanging fruit, implementation of projects and "fixing" the department will take time



- Significant data clean-up issues must be resolved
 - Billing / customer data
 - Fixed asset data
- System upgrades / modifications required to billing system to support potential changes in rate calculations
 - Multiple rates blocks
 - Impervious area charges
- System requirements for integration into DTE kiosks yet to be defined
- Cost studies required to support changes in rate structure and allocation methodology
- ► Legal review of any proposed changes in landlord / tenant arrangements and drainage revisions



Appendix: Detroit Resident Dynamics

In hopes of facilitating an affordability solution, we have analyzed the Detroit customer base to answer several basic questions



DETROIT RESIDENTIAL ANALYSIS OVERVIEW

The Data	 Monthly CCF usage of 128,000 Households out of 217 pipe size and lower Eliminated churches Eliminated residential businesses Eliminated outliers Households grouped into 1,017 census tracts for regree 	
Questions	Why Its Important	What We Found
What are the drivers of water usage?	Determines focus, design, and potential effectiveness of varying water affordability programs	Income, household population, structural age major drivers of usage
What is the basic level of water use in the typical Detroit?	 Points to most basic level of monthly usage; i.e., lifeline usage Determines potential starting point for inclining blocks 	Base water usage appears to approximate 2.5 CCF for a household of two at the lowest income levels
What is the distribution of water usage for Detroit customers	 Determines reach of potential solutions; i.e., who is aided by water affordability programs and who isn't Determines magnitude of potential issues Highlights other issues that may be important to providing affordable rates 	Wide distribution of water usage across and within income classes suggesting "cheap" water isn't the sole issue
What is the probability of customer payment given income and water prices?	Highlights other issues that may be important to providing affordable water	Strong relationship between income and probability to pay and days outstanding

		Initial Budg New DWSD Fo		BO!		oved Budget Budget	Ca	sh on Day 1	Budget	Submission to FRC	Comments
	Appropriation Categories (2)	FTEs	buogei	TILS		Daviger					
	Water Revenues				s	49.703.100		36.547.876		66,250,976	
£	20173 - WDWSD-R Operating Revenue	S			3	45,703,100	3	30,347,070	•	00,250,510	
2	20176 - WDWSD-R Non-Operating Revenue				_		_		_	00.000.000	
2	Total Water Revenues				•	49,703,100	\$	36,547,876	\$	86,250,976	
	Water Expenditures										
4	20166 - WDWSD-R Administration	\$	-			4,342,006	\$	-	\$	4,342,006	Includes Pension Reimbursement Includes \$5,65 million of Allocated Expenses
5	20167 - WDWSD-R Operations					18,404,738				18,404,738 2,194,735	Includes \$5.65 million of Allocated Expenses
6	20168 - WDWSD-R Compliance		-			2,194,735		•		860,259	
2	20169 - WDWSD-R Finance		-			860,259		-		4,412,992	
	20170 - WDWSD-R Customer Svc		-			4,412,992 27,169		-		27,169	
	20171 - WDWSD-R Planning			_	-		-		s	30,241,900	
9	Total Water O&M	- \$	-	•	\$	30,241,900	3		•	30,241,900	
10	20172 - WDWSD-R Debt Svc & Amort	S				16,192,900		15,100,000		31,292,900	
71	20173 - WDWSD-R Operating Revenue	-				211,100		111,382		322,482	WRAP payment
12	20174 - WDWSD-R Long-Term Planning					1.893.700		20,172,981		22,066,681	Net Lease Payment to I&E
	20175 - WDWSD-R Reserves					1,163,500		1,163.513		2,327,013	Budget Stabilization
13						19,461,200		36,547,876	-	56,009,076	
14	Total Water Non-O&M										
15	Total Water Expenditures Budget	<u>s</u>			1	49.703.100	<u>\$</u>	36.547.876	<u> </u>	_86,250,976	
	Capital Funds					15,000,000				15.000.000	
15	13522 - Water Bond Fund Series 2011 Revenue					15,000,000				15,000,000	
17	13522 - Water Bond Fund Series 2011 Expense					15,000,000				15,555,555	
18	Sewer Revenues 20184 - SDWSD-R Operating Revenue	5			s	122,622,500	\$	55,967,279	\$	178,589,779	
18	20187 - SDWSD-R Non-Operating Revenue					-		•			
19	Total Sewerage Revenues				\$	122,622,500	S	55,967,279	\$	178,589,779	
	-										
	Sewer Expenditures	s			s	3,307,762	s			3,307,762	Includes Pension Reimbursement
30	20177 - SDWSD-R Administration	•		-		90,282,218		_		90,282,218	Includes \$82.3 million of Allocated Expenses
21	20178 - SDWSD-R Operations 20179 - SDWSD-R Compliance					2,045,909				2,045,909	
22	20179 - SDWSD-R Compilance 20180 - SDWSD-R Finance					689,218		-		689,218	
23	20181 - SDWSD-R Customer Svc					4,412,992		-		4,412,992	
25	Total Sewer O&M	. 5			5	100,738,100	\$		5	100,738,100	
23	I DIGI SEWEI COM	•			, _						
26	20183 - SDWSD-R Debt Svc & Amort	s			\$	16,760,200	s	35,100,000		51,860,200	Includes \$5.6 million of Budget Stabilization
27	20184 - SDWSD-R Operating Revenue	•				3,643,300		6,542,518		10,185,818	Includes WRAP & Share of Lease Payment
28	20185 - SDWSD-R Long-Term Planning					1,480,900		11,529,026		13,009,926	Additional Reserves From Lease payment
29	20186 - SDWSD-R Reserves							2,795,735		2,795,735	
30	Total Sewer Non-O&M		==:		_	21,884,400		55,967,279		77,851,679	
31	Total Sewerage Expenditures Budget	<u>\$</u>			<u>s</u>	122,622,500	<u>.</u>	55.967.279	<u>. </u>	178,589,778	
	Capital Funds										
30	13723 - Water Bond Fund Series 2015 Revenue					-					
32 33	13723 - Water Bond Fund Series 2015 Revenue 13723 - Water Bond Fund Series 2015 Expense					-					
						400 000 000	•			130,980,000	7
3.0	Total Water & Sewer O&M	- \$	54	•	\$	130,980,000			\$		
35	Total Water & Sewer Non-O&M	\$			5	41,345,600	\$	92,516,154	\$	133,860,754	
36	Total Budgeted Expenditures		•			172,325,600		92,515,154		264,840,754	

Note 1: All amounts are zero as this is the initial budget. Note 2: "R" indicates the local "retail" system.

	FTE:	Budg	ed Full Year et Budget	OWSD Half Year Budget	Stub Year	DWSD-R Budget***	Strib Year GLWA Budget****	
Water Revenues						40.000.000		*****
04825 - Revenue - Water Receiving		\$	402,093,889	201,048,945	5	49,703,100	\$ 151,343,845	20173 - WDWSD-R Operating Revenue
4827 - Revenue - Water Operation -Maintenance			94,700	47,350			47,350	20176 - WDWSD-R Non-Operating Revenue
0183 - Dett Service and Maintenance			1,035,700	517,850			517,850	
0164 - Water System Improvements			404,500	202.250			202,250	
0583 - Water Extraordinary Repair and Replacement			170,500	65,250			85,250	
			170,300	65,250			00,200	
2140 - Water Bend Fund Series 2007		_	<u> </u>		_			
otal Water Revenues		-	403,799,289	1 201,899,645	1	49.703.100	\$ 152,190,545	Total Water Revenues
Vaker Expenditures								Weter Expenditures
0085 - Administration	105	8	22,601,250	\$ 11,400,625.15	\$	4,369,175	\$ 7,031,450	20166 - WDWSD-R Admirestration
0086 - Financial Services	98		4,152,832	2,076,416		860,260	1,216,156.00	20169 - WDWSD-R Finance
0087 - Asset Maintenance	293		35,851,009	17,925,504		-	17,925,504.48	
0088 - Water Operations	151		57,702,082	28,851,041		18,404,738	10,446,303.20	20157 - WDWSD-R Operations
2448 - Information Technology & Systems Integration & Operations	68		29,999,065	14,999,533		2,194,735	12,804,797.52	20168 - WDWSD-R Compliance
2758 - Public Affairs	187		11,475,318	5,737,659		4,412,992	1,324,667.10	20170 - VVDWSD-R Customer Svc
3314 - Process and Quality Control	14		783 732	391.868			391.866.00	20171 - WDWSD-R Planning
	915	8	162,765,200	\$ 81,362,644.46	1	30,241,900	\$ \$1,140,744	Total Water O.M
Total Weler O&M	916		162,765,289	3 81,362,646.46		30,241,200	\$ 31,140,144	TOTAL STATE COMM
0163 - Debt Service and Maintenance		5	193 362 800	\$ 96,681,400.00	5	16,192,900	\$ 80,488,500	20172 - WDWSD-R Debt Svc & Amort
0164 - Water System Improvements		-	20,566,100	10.283.050		1,893,700	\$ 8,389,350	20174 - WDWSD-R Long-Term Planning
			1,981,200	990,600		211,100	\$ 779,500	20173 - VYDWSD-R Operating Revenue
4826 - Water Receiving						211,100	\$ 11,250,000	terro - stossoort, oherend ustande
4827 - Water Operation -Maintenance			22,500.000	11,250,000				
I0583 - Water Extraordinary Repair and Replacement							\$.	
5733 - Reserve Depotet			2,623 900	\$ 1,311,950.00	3	1,163 500	\$ 148,450	20175 - WDWSD-R Reserves
Total Water Non-O&M			241,034.000	\$ 120,517,000.00		19,461,200	\$ 101.055,800	Total Water Non-OSM
otal Water Expenditures Budget			403,799,289	1 201,899,644	\$	49,703,100	152.194.544	Total Water Expenditures Budget
Ord Heter Experiments broder			-104-125-255					
Capital Funds**								Capital Funds
3522 - Water Bond Fund Senes 2011 - Revenue		5	203.587.500	\$ 101,793,750,00	8	15,000,000	\$ 86,793,750	13522 - Water Bond Fund Senes 2011 Reveru
3522 - Water Bond Fund Senes 2011 - Expense			203,587,500	\$ 101,793,750.00		15,000,000	\$ 86,793,750	13522 - Water Bond Fund Senes 2011 Expens
J4229 - Revenue - Severage Recerving J4229 - Revenue - Severage Operation - Maintenance J3163 - Interest and Bond Redemption J3169 - Severage System Improvements J3443 - Extra portionary Requira and Replacement			527,302,247 135,900 1,387,300 365,400 244,700	\$ 283,651,124 \$ 67,950 \$ 693,650 \$ 182,700 \$ 122,350		122 622 500	141,028,624 67,950 693,650 182,700 122,350	20184 - SDWSD-R Operating Revenue 20187 - SDWSD-R Non-Operating Revenue
11773 - Severage Bond Fund Series 2015		Can To		See 'Capital Fund section				
otal Sewerage Revenues		1	529.435.547	1 264,717,774	3	122,622,500	142.095.274	Total Sewerage Revenues
_								Sewer Expenditures
Sever Expenditures		5	33.030.424	\$ 16,515,212,24	1.5	3 307 762	\$ 13,207,450	20177 - SDWSD-R Administration
0090 - Financial Services		*	6 229 241	3,114.621		689 218	\$ 2 425 402	20180 - SDWSD-R Finance
10161 - Asset Maintenance	. 23		19 314 367	9 657 194			\$ 9 657 194	
0162 - Wastewater Plant Operations	442		118,690,401	58,345,200		38,508,205	\$ 19 836,995	20178 - SDWSD-R Operations
	-42		28,697,005	14,448,503		30,300,203	\$ 14,448,503	
								20181 - SDAVSD-R Customer Svc
2449 - Information Technology & Systems Integration & Operations						4 417 997	\$ 950 381	
2449 - Information Technology & Systems Integration & Operations 2759 - Public Affairs	•		10,726,750	5 363,375		4,412,992	\$ 950,383 \$ 902,719	
2449 - Informatium Technology & Bystems Integration & Operations 2759 - Public Affairs 3315 - Process and Quality Control	442				\$	4,412,992	\$ 950,383 \$ 902,719 \$ 59,362,737	Folal Senur O&M
2449 - Informations Technology & Systems Integration & Operations 2759 - Public Affaes 3315 - Process and Quality Control Total Sawer D&M	442		10,726,750 1 605,438 216,693,647	5 363.375 902.719 6 100,346,823	:	48,964,067	\$ 902,719 \$ 59,362,737	Folal Sewer O&M
249 - Information Technology & Systems Integration & Operations 2759 - Public Affairs 3315 - Process and Quality Control Total Sawer O.E.M (I) 68 - Interest and Bond Redemption	442	\$s	10,726,750 1 805,438 218,893,647 253,468,400	5 363.375 902.719 6 108,346,823 5 126,734.200.00	\$	48,964,067 68,534,213	\$ 902,719 \$ 59,362,737 \$ 58,199,987	Fotal Seway G&M 20183 - SDWSD-R Debt Svc & Amort
2449 - Informations Technology & Systems Integration & Operations 7759 - Public Affairs 3315 - Process and Quality Control Total Sever D&M 10168 - Interest and Bond Redemption 0169 - Sewerage System Improvements	442		10,726,750 1 805,438 218,893,647 253,468,400 25,958,300	5 363.375 902.719 6 108,346,823 \$ 126,734.200.00 \$ 12,979,150.00	\$	48,964,067	\$ 902,719 \$ 59,362,737 \$ 58,199,987 11,498,250	Folal Sewer O&M
2449 - Information Technology & Systems Integration & Operations 2759 - Public Affairs 3315 - Process and Quality Control Total Sewer D&M (I) 68 - Interest and Bond Redemption 01091 - Sewerage System Improvements 4828 - Sewerage Recovering	442		10,726,750 1 605,438 218,693,647 253,468,400 25,958,300 2,610,800	\$ 383.375 902.719 \$ 108.346,823 \$ 126,734.200.00 \$ 12,979,150.00 \$ 1305,400.00	\$ 5	48,964,067 68,534,213 1,480,900	\$ 902,719 \$ 58,382,737 \$ 58,199,987 11,498,250 1,305,400	Fold Sewer O&M 20183 - SDWSD-R Debt Svc & Amort 20185 - SDWSD-R Long-Term Planning
2449 - Information Technology & Systems Integration & Operations 7759 - Public Affairs 3315 - Process and Quality Control Total Server D&M 0168 - Interest and Bond Redemption 0169 - Severage System Improvements 4228 - Severage Receiving 4229 - Severage Operation—Maintenance	442		10,726,750 1 605,438 218,693,647 253,468,400 25,958,300 2,610,800 27,500,000	5 363.375 902.719 8 108,346,823 \$ 126,734.200.00 \$ 12,979,150,00 \$ 1,305,400.00 \$ 13,750,000.00	\$	48,964,067 68,534,213	\$ 902,719 \$ 59,382,737 \$ 58,199,987 11,496,250 1,305,400 10,106,700	Fotal Sewer O&M 20183 - SDWSD-R Debt Svc & Amort 20185 - SDWSD-R Long-Term Planning 20184 - SDWSD-R Operating Revenue
2449 - Information Technology & Systems Integration & Operations 27759 - Public Affairs 3315 - Process and Quality Control 3315 - Process and Quality Control 37618 Sewer 0.84M (II.68 - Interest and Bond Redempt on 0.168 - Sewerage System Improvements 4628 - Sewerage Receiving 4629 - Sewerage Operation — Manufanance 5755 - Sewerage Reserving Depart	442		10,726,750 1 605,438 218,693,647 253,468,400 25,958,300 2,610,800	\$ 383.375 902.719 \$ 108.346,823 \$ 126,734.200.00 \$ 12,979,150.00 \$ 1305,400.00	\$	48,964,067 68,534,213 1,480,900	\$ 902,719 \$ 58,382,737 \$ 58,199,987 11,498,250 1,305,400	Fold Sewer O&M 20183 - SDWSD-R Debt Svc & Amort 20185 - SDWSD-R Long-Term Planning
2449 - Information Technology & Systems Integration & Operations 2755 - Public Affairs 3315 - Process and Quality Control Total Saver O&M 10168 - Interest and Bond Redemption 10169 - Sewerage System Improvements 48226 - Sewerage System Improvements 48227 - Sewerage Operation — Maintenance 17335 - Sewerage Bond Fund Simme 3007	442		10,726,750 1 805,438 218,893,647 253,468,400 25 958,300 2,610,800 27,500,000 3,204,400	\$ 363,375 902,719 \$ 108,346,823 \$ 126,734,200,00 \$ 12,979,150,00 \$ 1305,400,00 \$ 13,750,000,00 \$ 1,802,200,00	\$ 5	48,964,067 68,534,213 1,480,900 3,643,300	\$ 902,719 \$ 58,382,737 \$ 58,199,987 11,498,250 1,305,400 10,106,700 1,602,200	Total Season O&M 20183 - SDWSD-R Debt Svc & Amort 20183 - SDWSD-R Long-Term Planning 20184 - SDWSD-R Operating Revenue 20186 - SDWSD-R Reserves
2449 - Information Technology & Systems Integration & Operations 2759 - Public Affairs 3315 - Process and Quality Control Total Server O&M 10168 - Interest and Bond Redempt on 0169 - Severage System Improvements 4629 - Severage Receiving 4629 - Severage Receiving 4629 - Severage Receiving 4629 - Severage Receiving 4629 - Severage Reserve Deposit	442		10,726,750 1 605,438 218,693,647 253,468,400 25,958,300 2,610,800 27,500,000	5 363.375 902.719 8 108,346,823 \$ 126,734.200.00 \$ 12,979,150,00 \$ 1,305,400.00 \$ 13,750,000.00	\$	48,964,067 68,534,213 1,480,900	\$ 902,719 \$ 59,382,737 \$ 58,199,987 11,496,250 1,305,400 10,106,700	Fotal Sewer O&M 20183 - SDWSD-R Debt Svc & Amort 20185 - SDWSD-R Long-Term Planning 20184 - SDWSD-R Operating Revenue
2449 - Information Technology & Systems Integration & Operations 2759 - Public Affairs 3115 - Process and Quality Control Total Sewer D&M 10168 - Interest and Bond Redempt on 10169 - Sewerage System Improvements 4228 - Sewerage Receiving 4229 - Sewerage Operation - Marietanance 5753 - Sewerage Reserve Depast 2139 - Sewerage Bond Fund Simes 2007 Total Sewer Mon-O&M	442		10,726,750 1 805,438 218,893,647 253,468,400 25 958,300 2,610,800 27,500,000 3,204,400	\$ 363,375 902,719 \$ 108,346,823 \$ 126,734,200,00 \$ 12,979,150,00 \$ 1305,400,00 \$ 13,750,000,00 \$ 1,802,200,00	\$ \$	48,964,067 68,534,213 1,480,900 3,643,300	\$ 902,719 \$ 58,382,737 \$ 58,199,987 11,498,250 1,305,400 10,106,700 1,602,200	Total Server O&M 20183 - SDWSD-R Debt Svc & Amort 20183 - SDWSD-R Long-Term Planning 20184 - SDWSD-R Operating Revenue 20186 - SDWSD-R Reserves
2449 - Information Technology & Systems Integration & Operations 2759 - Public Affairs 3315 - Process and Quality Control Total Saver O&M Willes - Interest and Bond Redemption 00168 - Interest and Bond Redemption 00168 - Sewerage System Improvements MAZZE - Sewerage System Improvements MAZZE - Sewerage Operation—Mantenance 975735 - Sewerage Operation—Mantenance 175735 - Sewerage Bond Fund Sames 2007 Total Sewer Mon-O&M Total Sewer Mon-O&M Total Sewerage Expenditures Budget Capital Funds***	442	1	10,726,750 1 605 438 218,893,647 253 488 400 25 958 300 2619,800 27,500 000 3,204 400 312,741,900	\$ 383,375 902,719 \$ 100,348,823 \$ 126,734,200,00 \$ 12,979,150,00 \$ 1305,400,00 \$ 137,50,000,00 \$ 1,602,200,00 \$ 1,602,200,00 \$ 156,370,950,00	\$	48,964,067 68,534,213 1,480,900 3,643,300 73,658,413	\$ 902,719 \$ 59,382,737 \$ 58,199,987 11,496,250 1,305,400 10,109,700 1,602,200 	Total Sewer O&M 20183 - SDWSD-R Debt Svc & Amort 20165 - SDWSD-R Long-Term Planning 20184 - SDWSD-R Operating Revenue 20186 - SDWSD-R Reserves Total Sewer Non-O&M
2449 - Information Technology & Systems Integration & Operations 2759 - Public Affaer 3315 - Process and Quality Control Total Sewer D&M 20168 - Interest and Bond Redemption 20169 - Sewerage System Improvements 34229 - Sewerage System Improvements 44229 - Sewerage Receiver 2429 - Sewerage Receiver 2429 - Sewerage Bond Fund Semes 2007 Total Sewer Non-O&M Total Sewer Non-O&M Total Sewerage Expenditures Sudget 33191 - Severage Expenditures Sudget 33193 - Sewerage Expenditures Sudget	442		10,726,750 1 605,438 218,893,647 253 468,400 25 958,300 2,619,800 27,500,000 3,204,400	\$ 383,375 902,719 \$ 100,348,823 \$ 126,734,200,00 \$ 12,979,150,00 \$ 13,750,000,00 \$ 1,502,200,00 \$ 1,502,200,00 \$ 156,370,950,00	\$ \$	48,964,067 68,534,213 1,480,900 3,643,300 73,658,413	\$ 902,719 \$ 58,382,737 \$ 58,199,987 11,498,250 13,05,400 10,108,700 1602,200 82,712,537	Total Seway O&M 20183 - SDWSD-R Debt Src & Amort 20165 - SDWSD-R Long-Term Planning 20184 - SDWSD-R Operating Revenue 20186 - SDWSD-R Reserves Total Seway Non-O&M
12449 - Information Technology & Systems Integration & Operations 12759 - Public Affairs 13115 - Process and Quality Control Total Sever D&M D0168 - Interest and Bond Redemption D1699 - Sewerage System Improvements 14229 - Sewerage System Improvements 14229 - Sewerage Operation—Maintenance 15735 - Sewerage Receives Deposit 12319 - Sewerage Bond Fund Sames 2007 Total Sewer Non-O.E.M Total Sewerage Expenditures Budget Capital Funds** 13723 - Sewerage Bond Fund Senes 2015 - Revenue 13723 - Sewerage Bond Fund Senes 2015 - Revenue 13723 - Sewerage Bond Fund Senes 2015 - Expense		\$\$	10,726,750 1 605,438 216,893,647 253,468,400 25.958,300 2,610,800 27,500,000 3,204,400 312,741,900 529,435,547 6,900,000 6,000,000	\$ 383,375 902,719 \$ 109,348,823 \$ 126,734,200 00 \$ 12,979,150,00 \$ 137,50,000,00 \$ 1,602,200,00 \$ 1,602,200,00 \$ 244,717,773 \$ 3,000,000 \$ 3,000,000	\$	48,964,067 68,534,213 1,480,900 3,643,300 73,658,413	\$ 902,719 \$ 59,382,737 \$ 58,199,987 11,498,250 10,109,700 1,602,200 62,712,537 \$ 192,095,274 3,000,000 3,000,000	Total Seway O&M 20183 - SDWSD-R Debt Src & Amort 20165 - SDWSD-R Long-Term Planning 20184 - SDWSD-R Operating Revenue 20186 - SDWSD-R Reserves Total Seway Non-O&M
12449 - Informatium Technology & Bystems Integration & Operations 17215 - Potace Affairs 13115 - Process and Quality Control 17218 Sewer D&M 10168 - Interest and Bond Redemption 10169 - Sewerage System Improvements 18229 - Sewerage System Improvements 18229 - Sewerage Operation - Maintenance 195735 - Sewerage Operation - Maintenance 12139 - Sewerage Bond Fund Semes 2007 17218 Sewer Mon-O.LM 17218 Sewerage Expenditures Budget Capital Funds** 13723 - Sewerage Expenditures Budget	1,358	\$	10,726,750 1605,438 216,893,647 253,468,400 25,958,300 2,610,800 27,500,000 3,204,400 312,741,900 529,435,547 6,000,000	\$ 383 375	\$	48,964,067 68,534,213 1,480,900 3,643,300 73,658,413	\$ 902,719 \$ 59,382,737 \$ 58,199,987 11,498,250 10,108,700 1,602,200 62,712,537 \$ 192,995,274	Total Seway O&M 20183 - SDWSD-R Debt Src & Amort 20165 - SDWSD-R Long-Term Planning 20184 - SDWSD-R Operating Revenue 20186 - SDWSD-R Reserves Total Seway Non-O&M
12449 - Informatium Technology & Systems Integration & Operations 172159 - Public Affairs 13315 - Process and Quality Control 17218 - Severa O&M 100168 - Interest and Bond Redemption 10189 - Sewerage System Improvements 14229 - Sewerage Operation — Maritenance 15715 - Sewerage Operation — Maritenance 15715 - Sewerage Reserve Deposit 12139 - Sewerage Bond Fund Simes 2007 17218 - Sewerage Expenditures Budget 1723 - Sewerage Expenditures Budget 1723 - Sewerage Bond Fund Senes 2015 - Revenue 1723 - Sewerage Bond Fund Senes 2015 - Expense 1723 - Sewerage Bond Fund Senes 2015 - Expense 1723 - Sewerage Bond Fund Senes 2015 - Expense 1723 - Sewerage Bond Fund Senes 2015 - Expense		\$\$	10,726,750 1 505 438 218,893,647 253 468 400 25 958 300 2,510,800 27,500,000 3,204 400 312,741,900 529,435,547 6,000,000 6,000,000	\$ 383 375 962 719 8 108,346,823 \$ 126,734,200 00 \$ 12,979,150.00 \$ 13,750,000 00 \$ 1,750,000 00 \$ 1,562,200.00 \$ \$ 1563,370,950.00 \$ \$ 264,747,773 \$ 3,000,000 \$ 3,000,000 \$ \$ 1967,728,466	\$	48,964,067 68,534,213 1,460,900 3,643,300 73,658,413 122,622,500	\$ 902,719 \$ 59,382,737 \$ 58,199,987 11,496,250 10,109,700 1,602,200 82,712,537 \$ 142,095,274 3,000,000 3,000,000	Total Sewer O&M 20183 - SDWSD-R Debt Svc & Amort 20165 - SDWSD-R Long-Term Planning 20184 - SDWSD-R Operating Revenue 20186 - SDWSD-R Reserves Total Sewer Non-O&M

^{*} Noted that the Thermal Budget published by the City has discrepancies between the high-level summary and detailed amounts of FTEs. The total from the detailed isting is shown here for companion. The high-level summaries stated 1,161 FTEs for Water and 683 FTEs for Sever;

[&]quot;The capital funds are identified in a separate section of the BDWC approved budget. Capital funds were included in non-D&M expenditures budget in the FRC approved budget.

^{***}This is a guideline only. There may be additional adjustments between appropriations.

^{****}The GLWA budget represents the budget amount to be zeroed out.