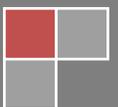


2016

Metropolitan Sewer District of Greater Cincinnati (MSDGC)

2016 Operating Budget Request

Balanced and Workable Budget to enable MSDGC accomplishing its mission to protect and enhance water quality and the environment by providing safe and efficient wastewater collection and treatment to customers.



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Introduction

In accordance with the July 1997 agreement between the City and County regarding resolution and the executed 1968 Agreement, MSDGC is presenting its 2016 balanced Operating Budget request. This is a continuation budget that represents the fulfillment of MSDGC's pledge to preserve its resources and keep the utility financially sound in times of increasing fiscal challenges.

2016 Operating revenue is projected to be nearly \$287.9 million. This revenue assumes a 5.5% rate increase in 2016. This preliminary rate increase projection is based on 2015's rate study. At this time, MSDGC has begun an updated cost allocation and rate study for 2016 to be submitted with the 2016 Budget Recommendation in December. The 2016 rate study will be performed with consultation with the County and as a result, may provide some policy options for Board consideration.

About \$111.2 million or 46% of the operating budget is allocated to pay debt service related to consent decree and other capital improvement. \$48.3 million or 20% of the requested budget is allocated waste water treatment operation (WWT), and \$25 million or 10% is allocated for waste water collection operation (WWC). The Engineering section operating budget is \$9.4 million or 4% of MSDGC total Operating budget. All divisional budgets outlined in this budget's request allow MSD to fulfill its core functions of wastewater collection or wastewater treatment that supports meeting obligations under the Clean Water Act and the expectations of our customers and ratepayers. A detailed budget discussion is provided within this document.

Beginning with the 2016 budget year, MSDGC is recommending splitting the budget for Department 470 to two separate programs: **Watershed Operations Division (470)** and the **SBU (480)**.

This will provide better budget tracking and will help report more effectively on discrete business functions. This also aids in managing the appropriate access to those cost centers in the financial system. There is no budget increase due to this accounting split recommendation.

2016's Operating budget request is based on past years' spending levels, forecasted needs, and the professional judgment of licensed operators, engineers, and certified technicians. Without the assurance of an adequate budget up-front, it is very difficult to manage since weather patterns and asset repairs are not necessarily predictable. The process to legislate additional operating funds near the end of the year is extremely inefficient and a cumbersome method for meeting requirements in a timely manner. In the past, necessary work or other costs were required to be deferred to the next year's budget, without sufficient funds available to cover operating expenses.

MSDGC has experienced cuts to Expert Service Budget over the years. Continuing this trend will have detrimental impacts to operational systems when there are failures or breaks in systems that are old outdated and repair & replacement has been deferred. It's important to note that Expert Services are a necessary resource that helps optimize and sustain existing investments to improve operations and enhance efficiencies, often to extend the useful life or utilization of assets.

MSDGC remains committed to providing rate payers and residents the best service and best use of their money. MSDGC employees deliver on that commitment through their experience, dedication and continued hard work.

Mission

The mission of MSDGC is to protect and enhance water quality and the environment by providing safe and efficient wastewater collection and treatment to our customers.

Operations

The Sewer service area covers approximately 290 square miles and encompasses all or part of four counties in southwestern Ohio. It provides wastewater removal and treatment through over 200,000 residential, commercial, and industrial sewer connections and operates and maintains over 3,000 miles of sanitary and combined sewers, seven major wastewater treatment plants, two package treatment plants, 99 pump stations and 10 major pumping stations.

Accomplishments

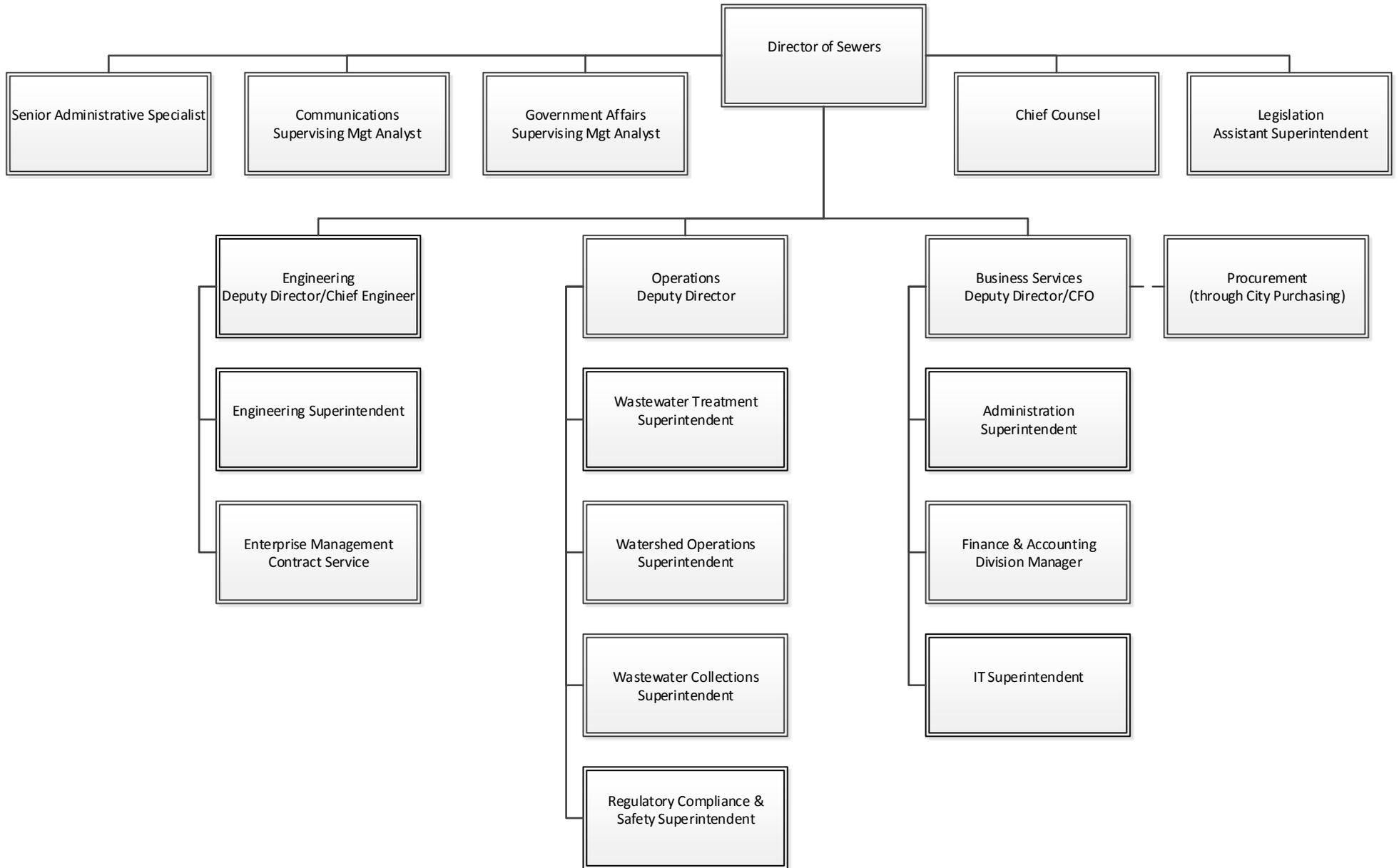
2015 was another productive year for MSD. Below are some of the accomplishments that define MSD successes for 2015 and demonstrate staff's commitment to the utilities mission. This 2016 budget request will allow MSD to build upon these accomplishments and position the District well for future challenges it faces.

- In 2015, MSD earned National Accreditation for its Environmental Lab from the NELAC Institute for its environmental laboratory. Obtaining this level of certification requires the demonstration of a very high degree of expertise and attention to producing accurate data. This certification proves credibility of data and demonstrates accuracy of the results.
- In 2015, the Metropolitan Sewer District of Greater Cincinnati's Taylor Creek Wastewater Plant has received honors from the National Association of Clean Water Agencies (NACWA). Taylor Creek was awarded the prestigious Platinum Peak Performance award for 17 years of consecutive 100% compliance with the National Pollutant Discharge Elimination System (NPDES) permit.
- In 2015, Ohio Water Environment Association (OWEA) recognized Little Miami, Muddy Creek, Polk Run, and Taylor Creek treatment plants with safety certificates.
- The Metropolitan Sewer District of Greater Cincinnati (MSD) is the recipient of the 2015 Platinum Excellence in Management by the National Association of Clean Water Agencies (NACWA). This unique honor is only presented to the "best in class utilities" in America. MSD received the highest level of honor for utilities by meeting or exceeding nine of the ten *Attributes of Effectively Managed Water Sector Utilities* and complying with four *Resource Efficiency and Protection Activities*.
- MSD was awarded 2014 Best Asset Condition Management Program from Uptime Magazine at the International Maintenance Conference (IMC).

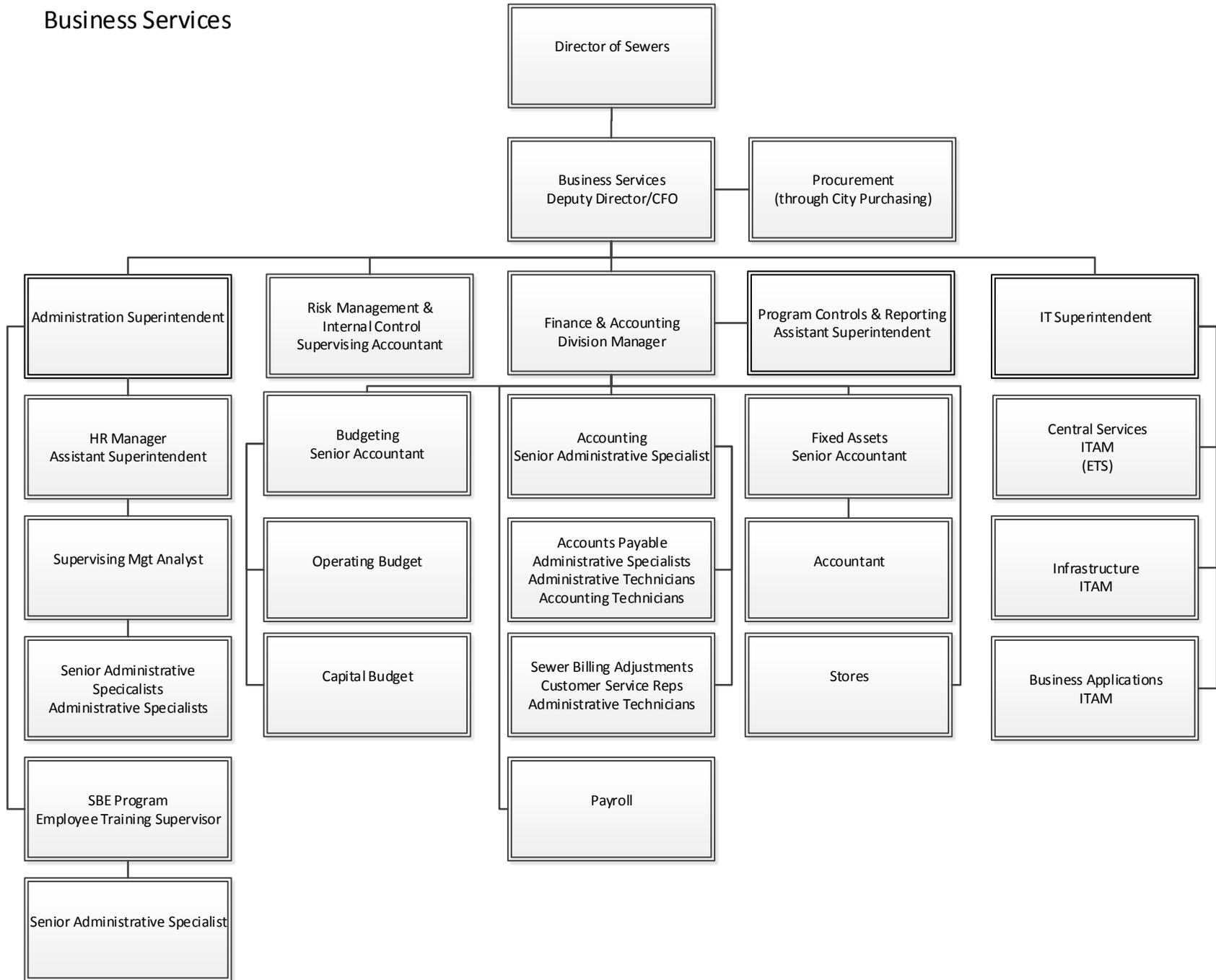
- MSD implemented Preventive Maintenance Optimization (PMO) best practice to eliminate low value work and manage risk of missed PM coverage.
- MSD encouraged staff to get asset management training. Hosted national UPTIME elements certified reliability leader (CRL) training and certification. In 2014, five additional staff members passed their CRL certification and two staff members passed their certified maintenance reliability professional (CMRP) certification.
- MSD enhanced the processes and tools to support and sustain performance: Living Reliability Program, Planning/scheduling and Predictive maintenance governed by 5-year master planning process developed by staff supported by world class best practice experts.
- Mill Creek Treatment Plant received a NACQWA gold award for zero NPDES permit excursions in 2014
- WWT SCADA continued virtualizing physical servers. These changes improve the department's ability to monitor the health of the control system and ease of creating backup copies of the live servers.
- The SCADA team also implemented software to periodically and automatically back up the PLCs, Programmable Logic Controllers, to ensure the latest programming changes are being tracked and stored. This reduces the MSD's risk of having a long term process disruption from a PLC hardware failure.
- MSD SCADA also migrated two of the Mill Creek Treatment Plants process areas from standalone "islands of control" to join the rest of the process areas' servers. This improves the system integration of the plant and prepares the system to be smoothly migrated to the new SCADA infrastructure coming in 2015 and 2016.
- Developed several process models and hands-on operational tools to assist plant operators to better understand plant operating conditions to improve the effectiveness and efficiency of treatment processes.

Organization Chart

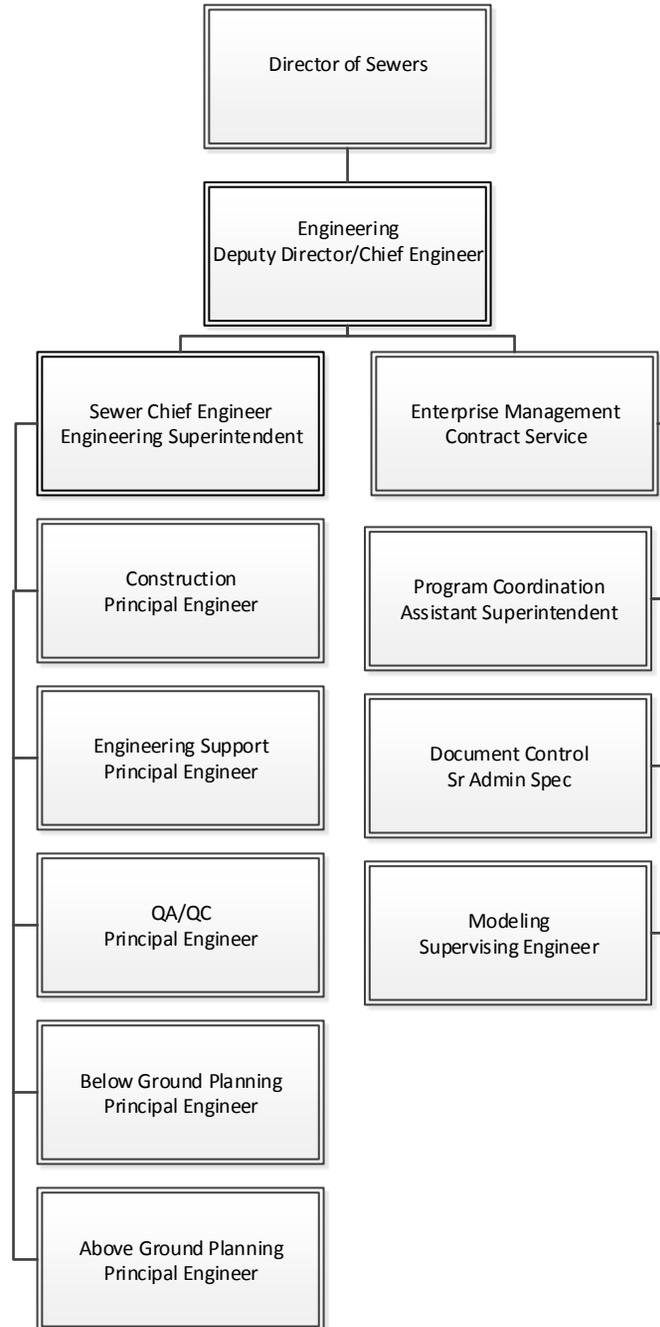
Metropolitan Sewer District of Greater Cincinnati Organizational Chart



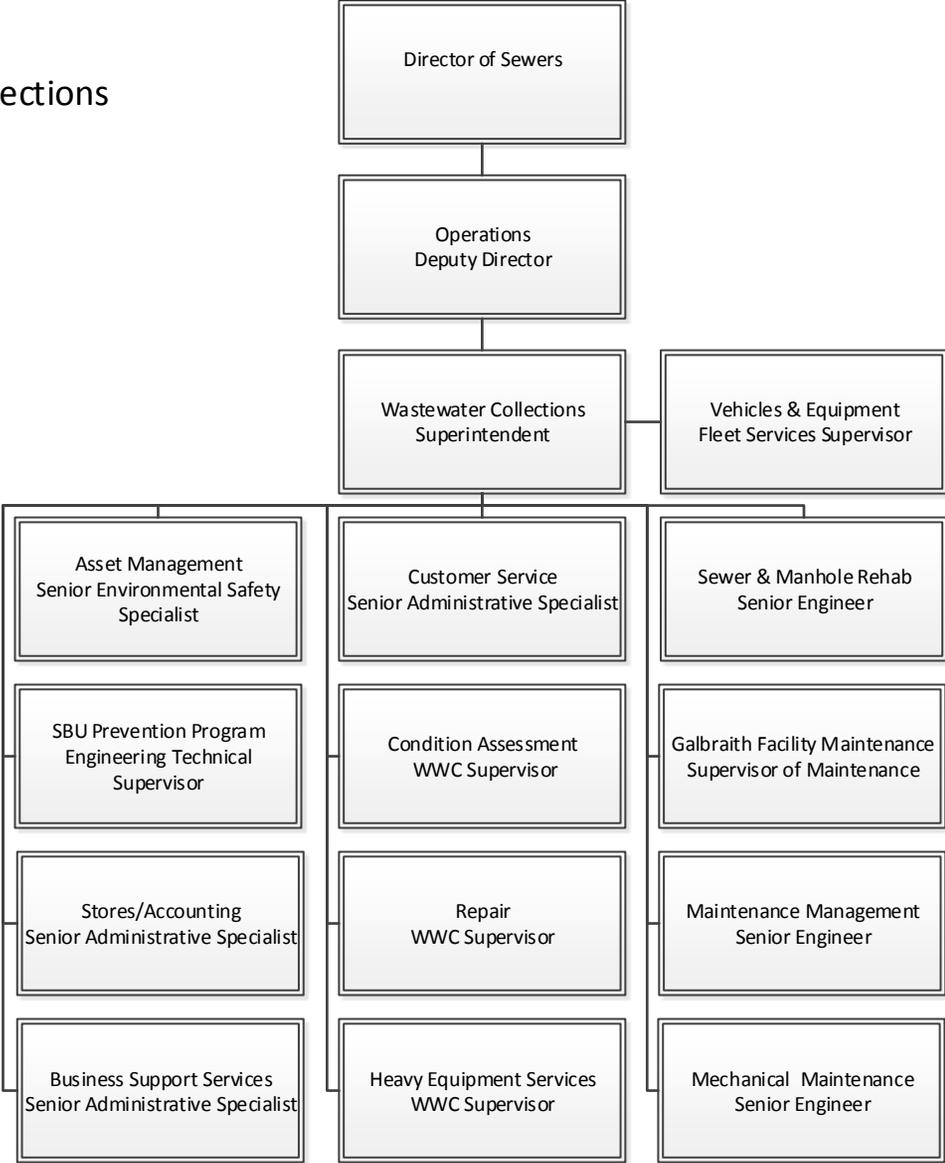
Business Services



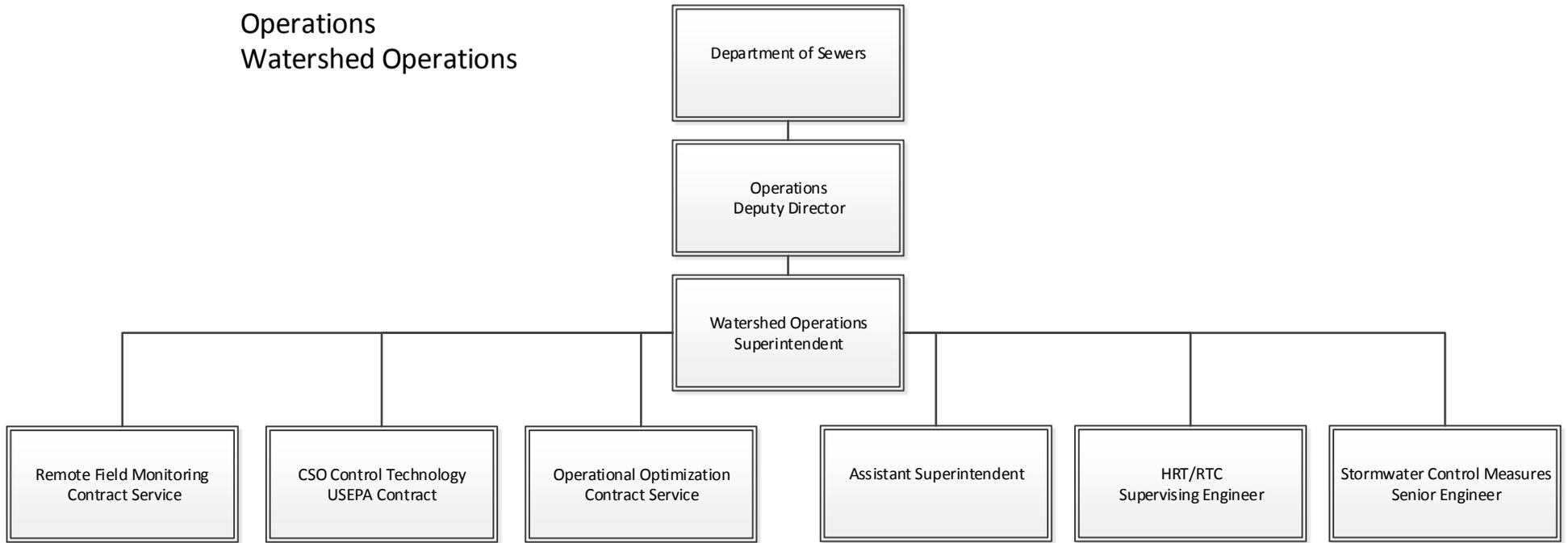
Wastewater Engineering



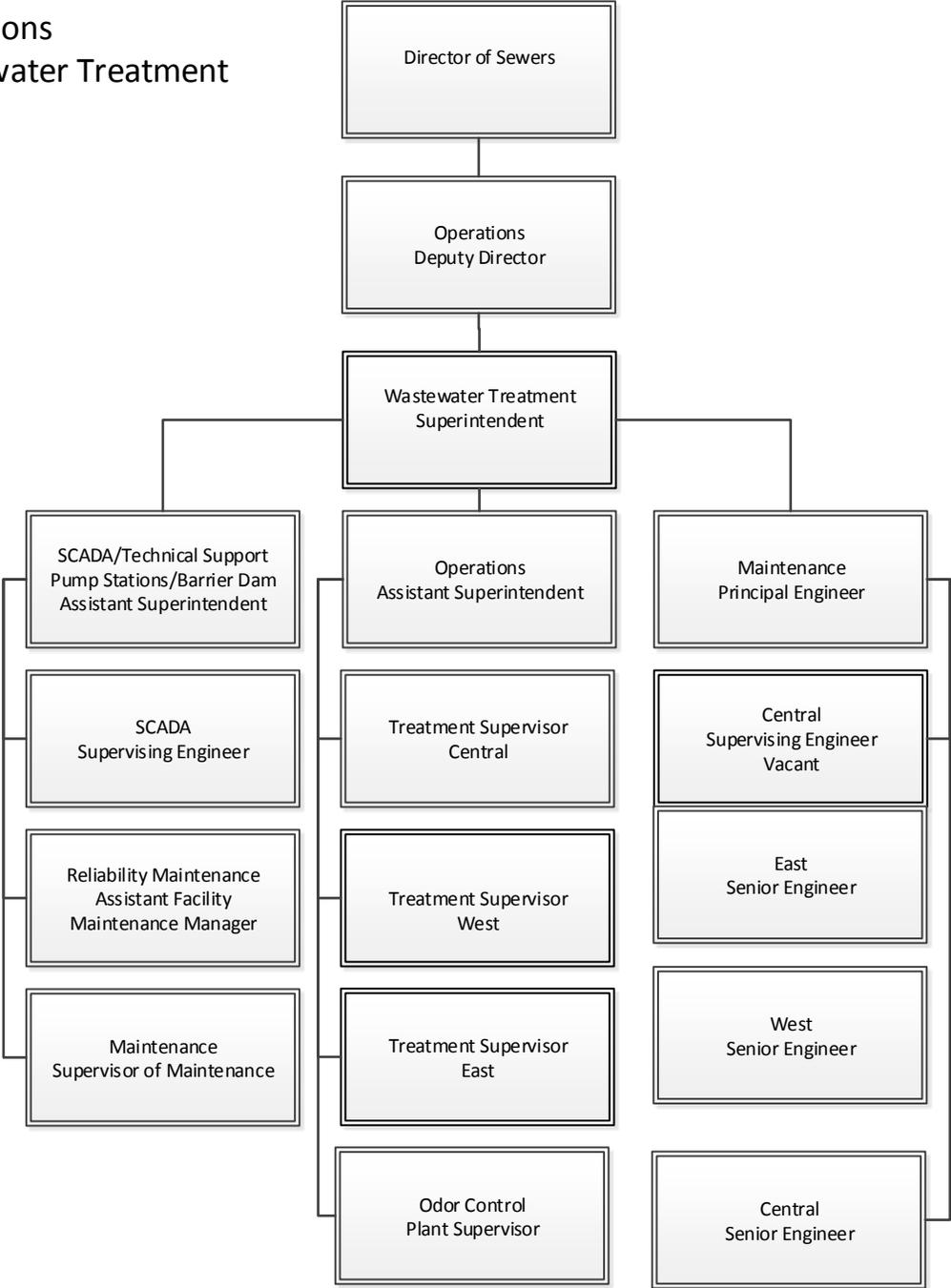
Operations
Wastewater Collections



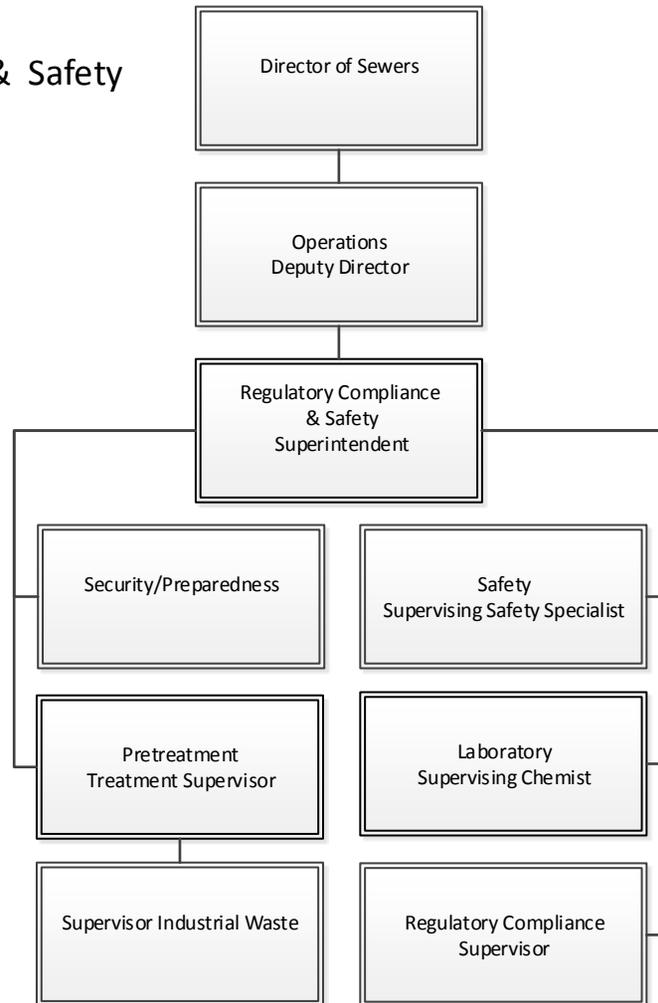
Operations
Watershed Operations



Operations
Wastewater Treatment



Operations
Regulatory Compliance & Safety



Treatment plants

- **The Mill Creek** Wastewater Treatment Plant, Originally constructed in 1957 with major upgrade adding Secondary in 1979. Average flow ~ 100 MGD
- **The Little Miami** Wastewater Treatment Plant, Originally constructed in 1954 with major upgrade adding Secondary in 1979. Average flow ~ 27 MGD
- **The Muddy Creek** Wastewater Treatment Plant, Originally constructed in 1960 with major upgrade adding Secondary in 1971. Average flow ~ 15 MGD
- **The Sycamore** Wastewater Treatment Plant, Originally constructed in 1957 with major upgrade and addition of HRT in 2008. Average flow ~ 8 MGD
- **The Polk Run** Wastewater Treatment Plant, Originally constructed in 1970 with major upgrade in 1988. Average flow ~ 4 MGD
- **The Taylor Creek** Wastewater Treatment Plant, Originally constructed in 1992. Average flow ~ 2.5 MGD
- **The Indian Creek** Wastewater Treatment Plant Originally constructed in 1935 as a WPA project with major upgrades in 1977 & 1995. Average flow ~ 1.0 MGD

Department Programs

- | | |
|-----------------------------------|---|
| 1. Office of the Director | OOD |
| 2. Wastewater Engineering | WWE |
| 3. Wastewater Administration | WWA |
| 4. Wastewater Treatment | WWT |
| 5. Wastewater Collection | WWC |
| 6. Regulatory Compliance & Safety | DIW - <i>Industrial Waste, Safety, Security & Compliance</i> |
| 7. Watershed Operation | WO – <i>New (due to new wet weather facilities brought on through Consent Decree; split from WWC)</i> |
| 8. Sewer Backup Response Program | SBU – <i>2016 request split the budget between SBU and WO</i> |

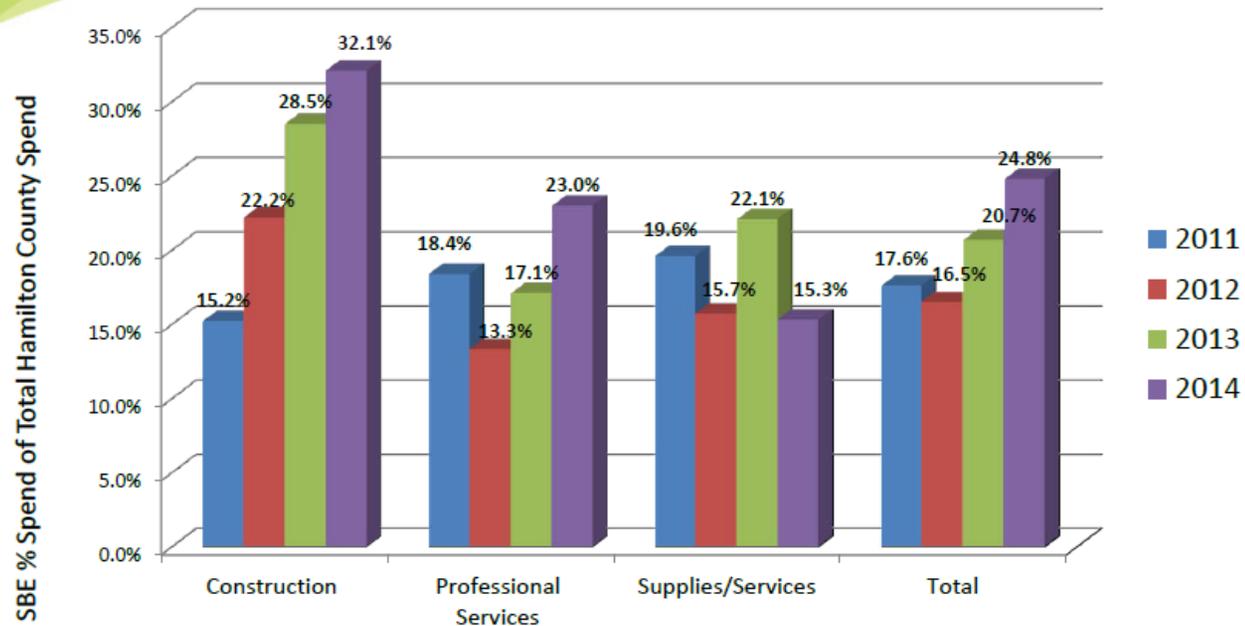
Consent Decree and Affordability

In 2006 MSDGC developed a Wet Weather Improvement Plan (WWIP) to fulfill the requirements of its Consent Decree. In 2008 MSDGC submitted a “2008 Revised Wet Weather Improvement Program” which incorporated the numerous studies and discussions that occurred between MSDGC, regulators, and the Sierra Club following the submission of the 2006 plan. This revision included a \$1.3B increase in the initial \$1.99B cost of the WWIP and analyzed the financial impact that would have on MSDGC’s rates. The final WWIP was conditionally approved by EPA on January 6, 2010 and Phase 1 of the plan is currently underway. Phase 2 is in development and is required to be submitted to the Regulators by June 30, 2017. Submission of the Phase 2 plan will include a renewed Financial Capability Assessment and affordability analysis that will build upon the analytical frameworks presented by MSDGC in the 2006 and 2008 submittals.

The approved plan requires the Phase 2 schedule to “be as expeditious as practicable, based on considerations... including the Residential Indicator analysis,” among other factors. Additional considerations include “(a) the impact that cost and the length of schedule of Phase 2 will have on Defendants’ financing..., (b) local and national experience with time, cost, economics and practicality of CSO/SSO program implementation, (c) availability of “stimulus” money applicable to WWIP projects, and (d) technical feasibility.” Per the Final WWIP, MSDGC may submit two schedules for Phase 2, if needed, a Phase 2a and a Phase 2b. The potential for this strategy should be considered in the affordability modeling effort.

SBE Program

M.S.D. SBE Spend Performance By Category (Hamilton Cty) 2011 -- 2014 (%)



Total SBE Spend of 25% is highest in four years. Construction, Professional Services, and Supplies all met goals. Professional Services is highest in history of the department.

2016 Operating Budget Request

Budget Department	Personnel	Non-Personnel	Total
Office of The Director	1,788,217	4,778,755	\$ 6,566,972
Wastewater Engineering	7,508,938	1,867,840	\$ 9,376,778
Wastewater Administration	6,553,440	10,318,694	\$ 16,872,134
Wastewater Treatment	18,922,422	29,379,708	\$ 48,302,130
Wastewater Collections	10,345,938	14,631,480	\$ 24,977,418
Regulatory Compliance & Safety - RCS*	4,721,888	2,341,870	\$ 7,063,758
Watershed Management**	506,174	5,928,300	\$ 6,434,474
SBU**	435,211	4,954,660	\$ 5,389,871
OTEA		\$ 3,637,292	\$ 3,637,292
Vehicles		\$ 1,727,000	\$ 1,727,000
Indirect City Overhead		\$ 295,510	\$ 295,510
Direct City County Overhead		\$ 2,900,000	\$ 2,900,000
Indirect County Overhead		\$ 178,325	\$ 178,325
Operating Budget without Debt Service	\$ 50,782,228	\$ 82,939,434	\$ 133,721,662
Debt Service		\$ 111,226,790	\$ 111,226,790
Total operating Budget	\$ 50,782,228	\$ 194,166,224	\$ 244,948,452

* Formerly known as Industrial Waste Management

** split, used to be combined

2016 Operating Budget Request

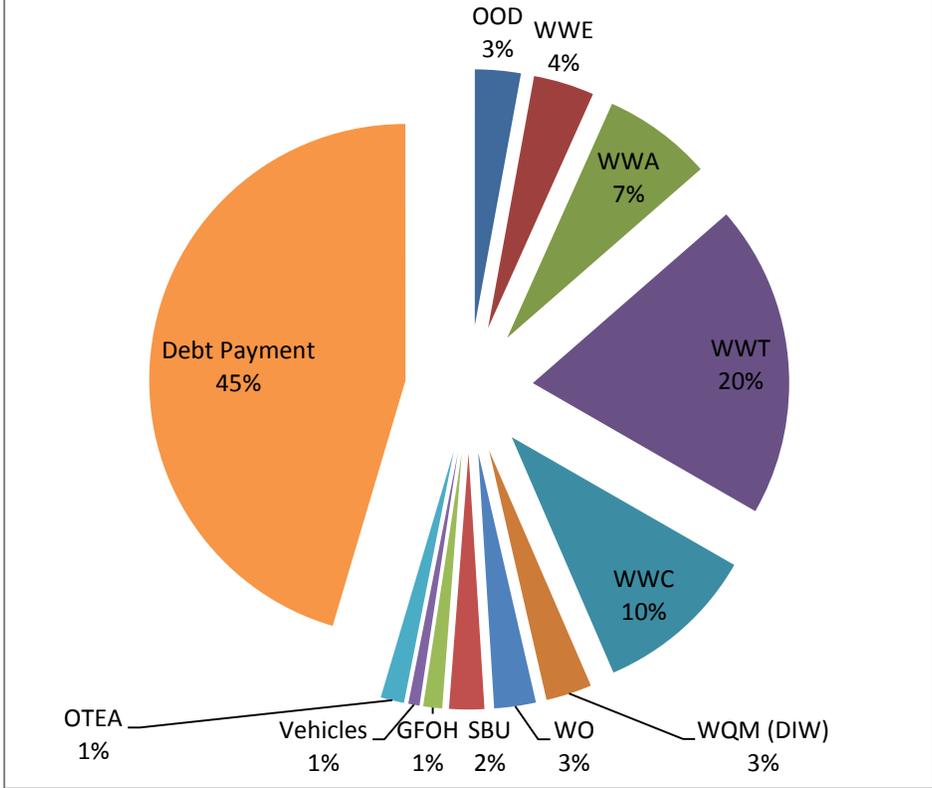
Program	2015 Original Request (1)	2015 Approved Budget (2)	2015 Additional Request / Reduction (3)	2016 Request (4)	Changes from 2015 Original Request to 2016 Request	% Change from 2015 Original request 1 to 4	% Change from 2015 Approved 2 to 4	% Change from 2015 Projected (2+3) to 4
Personnel	45,743,958	45,417,258	1,193,960	50,782,228	5,038,270	11%	12%	9%
OOD	2,524,060	1,800,000	383,536	1,788,217	(735,843)	-29%	-1%	-18%
WWE	4,760,485	4,600,000	2,590,304	7,508,938	2,748,453	58%	63%	4%
WWA	5,041,261	5,041,261	557,997	6,553,440	1,512,179	30%	30%	17%
WWT	19,139,252	19,471,252	(956,575)	18,922,422	(216,830)	-1%	-3%	2%
WWC	10,018,410	10,372,725	(1,022,413)	10,345,938	327,528	3%	0%	11%
RCS (DIW)	4,260,490	3,705,020	68,111	4,721,888	461,398	11%	27%	25%
WO		427,000	(427,000)	506,174	506,174			
SBU				435,211	435,211			
Non-Personnel	75,007,232	65,229,000	3,375,388	82,939,434	7,932,202	11%	27%	21%
OOD	5,224,780	2,742,000	435,387	5,252,590	27,810	1%	92%	65%
WWE	1,035,670	544,050	153,029	1,867,840	832,170	80%	243%	168%
WWA	9,189,565	9,561,920	(356,298)	10,318,694	1,129,129	12%	8%	12%
WWT	26,054,525	24,474,900	2,439,254	29,379,708	3,325,183	13%	20%	9%
WWC	12,397,286	11,668,460	509,044	14,631,480	2,234,194	18%	25%	20%
RCS (DIW)	1,610,930	1,377,670	111,197	2,341,870	730,940	45%	70%	57%
WO				5,928,300	5,928,300			
SBU	11,651,876	8,950,000	(316,225)	4,954,660	(6,697,216)	-57%	-45%	-43%
GFOH	2,500,000	2,500,000	400,000	2,900,000	400,000	16%	16%	0%
Vehicles	1,985,000	1,250,000		1,727,000	(258,000)	-13%	38%	38%
OTEA	3,357,600	2,160,000		3,637,292	279,692	8%	68%	68%
Total Without Debt Payment	120,751,190	110,646,258	4,569,348	133,721,662	12,970,472	11%	21%	16%
Debt Payment	113,400,000	106,000,000		111,226,790	(2,173,210)	-2%	5%	5%
Total With Debt Payment	234,151,190	216,646,258	4,569,348	244,948,452	10,797,262	5%	13%	11%

2016 Operating Budget Request by Program

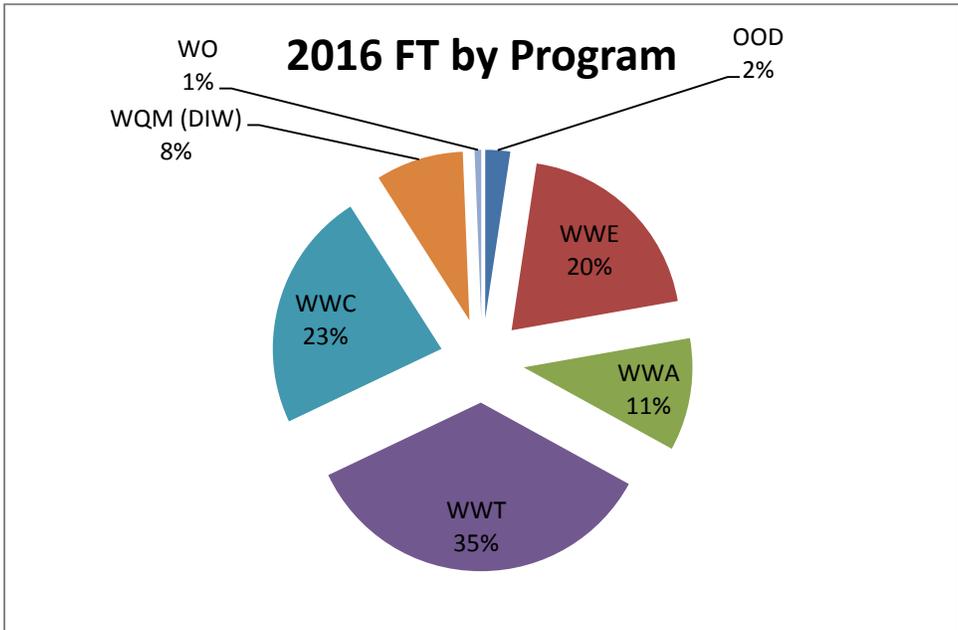
Program	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Request	2016 Request	2016 FT	2016 FT Equivalent
OOD	2,952,728	2,480,685	2,096,710	14,643,224	3,544,543	7,748,840	7,040,807	15	15
WWE	6,280,266	7,380,143	6,656,574	6,501,456	8,400,296	5,796,155	9,376,778	138	125
WWA	16,402,467	16,122,341	14,653,364	14,522,410	14,081,406	14,230,826	16,872,134	69	68
WWT	48,831,404	46,507,966	42,373,205	43,580,687	41,006,275	45,193,777	48,302,130	254	220
WWC	17,594,325	18,207,993	14,863,533	17,133,768	20,423,604	22,415,696	24,977,418	168	145
DIW	4,870,579	5,354,370	4,421,652	4,683,881	4,659,799	5,871,420	7,063,758	61	53
WO	2,843,968	4,555,061	2,542,238	4,659,730	7,587,097	11,651,876	6,434,474	4	4
SBU							5,389,871	9	6
GFOH	2,471,010	2,311,000	2,074,800	1,937,092	2,886,760	2,500,000	2,900,000		
Vehicles	1,916,897	1,824,344	1,346,722	1,946,162	1,728,451	1,985,000	1,727,000		
OTEA	2,534,111	2,576,608	1,291,496	2,157,635	3,247,213	3,357,600	3,637,292		
Total Without Debt Payment	106,697,755	107,320,510	92,320,295	111,766,046	107,565,444	120,751,190	133,721,662	718	636
Debt Payment	72,728,746	77,652,201	80,596,477	89,943,952	96,535,606	113,400,000	111,226,790		
Total With Debt Payment	179,426,501	184,972,711	172,916,772	201,709,999	204,101,050	234,151,190	244,948,452		

See **Appendix A** for full budget and historical table.

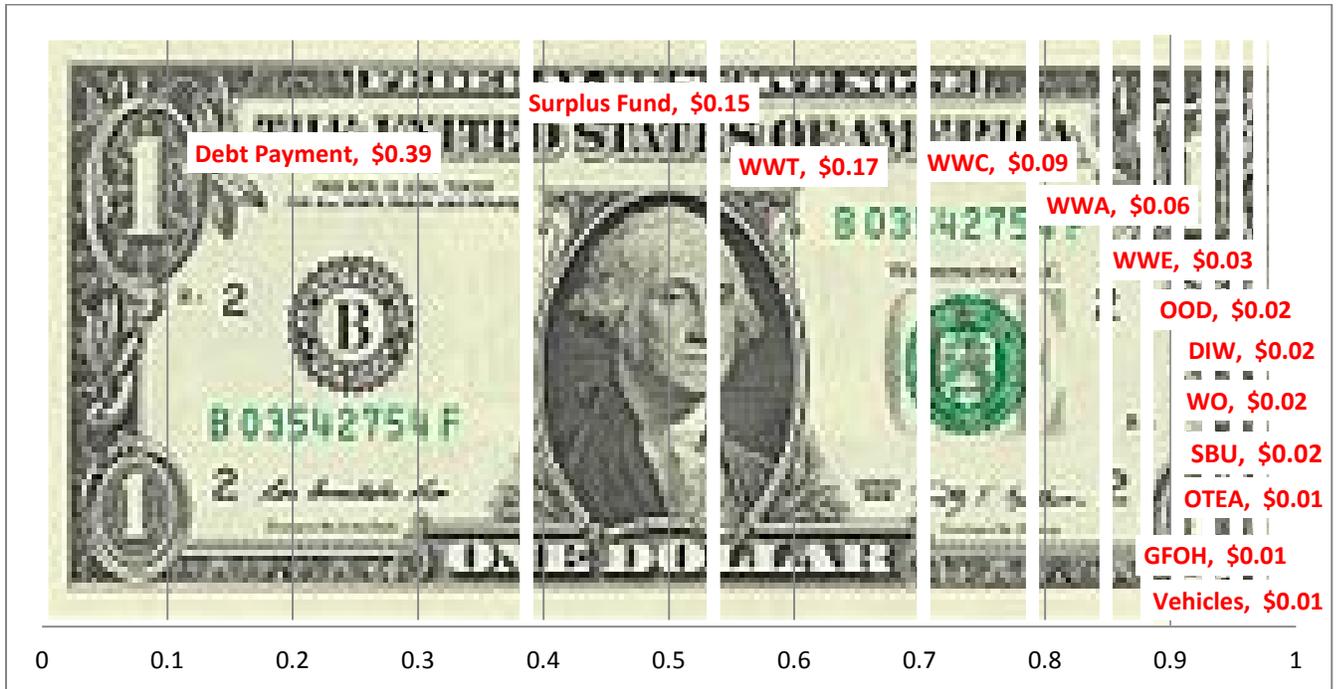
2016 Budget Request by Program



2016 FT by Program



How did MSDGC budget each dollar of Operating Revenue resources for 2016?



2016 Budget Request Highlights

- 2016 Budget Request (including Debt Service) is Only 3% higher than 2015 Requested Budget.
- 46% of the budget is for debt payments, while the other 54% is for O&M costs (of which 39% or \$50.7 million is for Personnel and 61% or \$79.9 million is for Non-Personnel)
- To realign budget authority to actual historical spending trends - based on the last three years (2012-2014), this budget reflects various **increases**, from 2015 adopted budget, (but is not limited to the following):
 - \$383,740 7241-Gas
 - \$74,588 7246-Sewerage Service Charges
 - \$67,769 7247-Water Meter Services
 - \$375,121 7248-Power
 - \$47,657 7338-Petroleum Products
 - \$677,485 7361-Mechanical And Plant Supply
 - \$55,038 7364-Wearing Apparel
 - \$49,965 7369-Technical Supplies & Tools
 - \$245,003 7391-Plumbing Machinery Parts
 - \$66,943 7392-Electrical Machinery Part
 - \$21,991 7398-Building Equipment Parts

- Also, to realign budget to historical spending trends, this budget reflects various **decreases**, from 2015 approved budget that include, but is not limited to the following:
 - \$97,251 7258-Building Repairs- Equipment
 - \$34,984 7261-Building
 - \$30,513 7262-Streets
 - \$23,842 7286-Security Guard Services
 - \$137,981 7316-Computer Peripherals < \$5
 - \$17,907 7331-Lubricants
 - \$23,675 7362-Tools And Testing Instruments
 - \$10,330 7372-Household And Lavatory Support

- Funding is included in 2016 for the following:
 - \$4,000,000 Sewer Condition Assessment and Cleaning
 - \$1,000,000 Duke Energy Gas Installation Sewer Inspection – Legacy
 - \$1,000,000 Sewer Backup Customer Services
 - \$2,107,000 Sewer Backup Prevention Program
 - \$2,200,000 Expansion of the wet weather operational capabilities through use of the GE IP Proficy system.

- This budget includes \$1 million for proposed agreement with Department of Public Services (City of Cincinnati) to compensate for Street Cleaning in CSO areas to meet CSO NPDES Floatable Control permit requirements. Compliance with the Nine Minimum Controls is part of MSD's NPDES Permit for CSOs.
- Funding for a total of \$19.6 million is included to fund various Expert Services (7289) contract for all Programs.
- Funding for a total of \$7.2 million is included to fund various Sundry Contractual Services (7299) contract for all Programs. Which include, but are not limited to -
 - Sludge Hauling
 - Landscaping services
 - Landfill Services & fees
 - Sewer Backup Cleaning Contractors
- MSD is undergoing organizational restructuring and may be making some accounting code strip name changes.

2016 Personnel Budget Summary

Dept	Positions	#of FT*	Total Personnel	(-) Non-Budgeted Vacant Positions	(-) CIP Funding Reduction	Adj. Total	(+) OT, Longevity,...	(+) CO-OP/INTERN*	Workers Comp	(-) PVA***	2016 Budget Request
OOD		15	1,722,610	-	-	1,722,610	350	40,768	24,489	-	1,788,217
	Budgeted Filled Positions	10	1,213,960		-	1,213,960		40,768			
	Budgeted Vacant Positions	5	508,650		-	508,650					
WWE		138	12,890,033	-	(4,783,235)	8,106,798	62,199	326,144	115,248	(1,101,450)	7,508,939
	Budgeted Filled Positions	112	10,598,038		(4,694,141)	5,903,897		326,144			
	Budgeted Vacant Positions	26	2,291,995		(89,094)	2,202,901				(1,101,450)	
WWA		69	6,548,497	(94,590)	-	6,453,907	7,784		91,750	-	6,553,442
	Budgeted Filled Positions	53	5,202,701		-	5,202,701					
	Budgeted Vacant Positions	15	1,251,206		-	1,251,206					
	Non-Budgeted Vacant Positions	1	94,590	(94,590)							
WWT		254	20,105,149	(1,370,762)	-	18,734,387	1,413,961		266,333	(1,492,259)	18,922,423
	Budgeted Filled Positions	200	15,749,870		-	15,749,870					
	Budgeted Vacant Positions	39	2,984,517		-	2,984,517				(1,492,259)	
	Non-Budgeted Vacant Positions	15	1,370,762	(1,370,762)							
WWC		168	12,962,778	(145,720)	(1,707,207)	11,109,851	737,609		157,940	(1,659,462)	10,345,938
	Budgeted Filled Positions	123	9,498,133		(1,707,207)	7,790,926					
	Budgeted Vacant Positions	43	3,318,925		-	3,318,925				(1,659,462)	
	Non-Budgeted Vacant Positions	2	145,720	(145,720)							
RCS		62	5,134,322	-	-	5,134,322	47,429	81,536	72,991	(614,388)	4,721,889
	Budgeted Filled Positions	45	3,905,545		-	3,905,545		81,536			
	Budgeted Vacant Positions	17	1,228,777		-	1,228,777				(614,388)	
WO		4	499,079	-	-	499,079			7,095	-	506,174
	Budgeted Filled Positions	4	499,079		-	499,079					
SBU		9	557,372	-	-	557,372			7,924	(130,084)	435,212
	Budgeted Filled Positions	3	297,204		-	297,204					
	Budgeted Vacant Positions	6	260,168		-	260,168				(130,084)	
Grand Total		719	60,419,840	(1,611,072)	(6,490,442)	52,318,325	2,269,332	448,448	743,770	(4,997,643)	50,782,232

*FT Equivalent	636
** 61 CO-OP/INTERN - FT Equivalent	11
*** PVA = 50% Vacancies Reduction	

Non-Personnel Summary (change from 2015 adopted Budget to 2016 requested Budget)

2016 Operating Budget Request								
Program	2015 Original Request	2015 Approved Budget	2015 Additional Request / Reduction	2016 Request	Changes from 2015 Original Request to 2016 Request	% Change from 2015 Original request	% Change from 2015 Approved	% Change from 2015 Projected
	(1)	(2)	(3)	(4)		1 to 4	2 to 4	(2+3) to 4
Personnel	45,743,958	45,417,258	1,193,960	50,782,228	5,038,270	11%	12%	9%
OOD	2,524,060	1,800,000	383,536	1,788,217	(735,843)	-29%	-1%	-18%
WWE	4,760,485	4,600,000	2,590,304	7,508,938	2,748,453	58%	63%	4%
WWA	5,041,261	5,041,261	557,997	6,553,440	1,512,179	30%	30%	17%
WWT	19,139,252	19,471,252	(956,575)	18,922,422	(216,830)	-1%	-3%	2%
WWC	10,018,410	10,372,725	(1,022,413)	10,345,938	327,528	3%	0%	11%
RCS (DIW)	4,260,490	3,705,020	68,111	4,721,888	461,398	11%	27%	25%
WO		427,000	(427,000)	506,174	506,174			
SBU				435,211	435,211			
Non-Personnel	75,007,232	65,229,000	3,375,388	82,939,434	7,932,202	11%	27%	21%
OOD	5,224,780	2,742,000	435,387	5,252,590	27,810	1%	92%	65%
WWE	1,035,670	544,050	153,029	1,867,840	832,170	80%	243%	168%
WWA	9,189,565	9,561,920	(356,298)	10,318,694	1,129,129	12%	8%	12%
WWT	26,054,525	24,474,900	2,439,254	29,379,708	3,325,183	13%	20%	9%
WWC	12,397,286	11,668,460	509,044	14,631,480	2,234,194	18%	25%	20%
RCS (DIW)	1,610,930	1,377,670	111,197	2,341,870	730,940	45%	70%	57%
WO				5,928,300	5,928,300			
SBU	11,651,876	8,950,000	(316,225)	4,954,660	(6,697,216)	-57%	-45%	-43%
GFOH	2,500,000	2,500,000	400,000	2,900,000	400,000	16%	16%	0%
Vehicles	1,985,000	1,250,000		1,727,000	(258,000)	-13%	38%	38%
OTEA	3,357,600	2,160,000		3,637,292	279,692	8%	68%	68%
Total Without Debt Payment	120,751,190	110,646,258	4,569,348	133,721,662	12,970,472	11%	21%	16%
Debt Payment	113,400,000	106,000,000		111,226,790	(2,173,210)	-2%	5%	5%
Total With Debt Payment	234,151,190	216,646,258	4,569,348	244,948,452	10,797,262	5%	13%	11%

Office of the Director

OOD

Manage the department's centralized support services along with the overall leadership of the organization to identify and track performance metrics, implement consistent organizational goals and policies, ensure high level of service to continuously improve customer service and environmental and public health projection across all MSD divisions. OOD also coordinates communication efforts internally and externally. All of these areas will be enhanced in 2016 to ensure efforts are coordinated and aligned with organizational goals and key performance indicators.

OOD – Personnel

The 2016 requested budget includes \$1.8 million for Personnel. This represents 15 FT positions of which four vacancies are projected to be filled.

Org Code	Classification	Budgeted Filled Positions	Budgeted Vacant Positions
410 X 1000 X Office Of The Director		10	5
	D0008 - Administrative Technician	1	
	DOC001 - Administrative Specialist	2	1
	DOC013 - Senior Administrative Spclst	2	
	D5982 - Director of Water and Sewers	1	
	D5989 - Deputy Director Water & Sewer	2	
	D8041 - Supvg Management Analyst	1	2
	D8168 - Asst Treatment Superintendent	1	
	D8544 - Sewers Chief Engineer		1
	LAW157 - Chief Counsel		1
Grand Total		10	5

OOD – Non-Personnel

Total non-personnel budget is \$4.8 million, which includes, but is not limited to the following:

- \$20K Utilities (Power, Gas, Water, Phone)
- \$208K Staff Development
- \$306K Subscriptions & Membership
- \$21K Supplies
- \$76K Legal Services
- \$3.8 million Expert Services:

410	3,780,000
Contract DB Development, Phase 1 - IT analysis	5,000
Contract DB Development, Phase 1 - Needs, Uses, & Outline	15,000
Contract Procedures training	10,000
Contract Procedures Training Development	25,000
Rate Study and Financial Mgt Support	500,000
Communications	250,000
Strategic Planning & Benchmarking	250,000
Procurement Support	225,000
Safety Services	500,000
SBE Monitoring and Tracking	500,000
Financial Services (Process mapping, Financial System integrations,...	1,500,000

Student Intern Academy

For nearly 10 years, MSD has hosted a student intern academy of high school and college bound students to expose them to the field of environmental engineering, wastewater treatment and utility management. What started out as just a few students per year has grown to over 100 each year with sponsorships from local engineering firms to host students in partnership with MSD through Project Rebuild Foundation.



Wastewater Engineering

WWE

Provide quality and on-time engineering services to internal and external customers - primarily Wastewater Collections, Wastewater Treatment, Watershed Operations, Enterprise Management and Regulatory Compliance and Safety.

WWE – Personnel

The 2016 O&M budget includes \$7.5 million for Personnel. This represents 138 FT positions of which 26 vacancies are projected to be filled. This budget reflects the following reductions:

- 50% or \$1.1 million Position Vacancy Allowance (PVA) - Assuming that not all 26 vacancies will be filled for the full year
- \$4.8 million capital funding (CIP)

Org Code	Classification	Budgeted Filled Positions	Budgeted Vacant Positions
420 X 1000 X Administration		3	
	D0C008 - Administrative Technician	3	
420 X 2000 X Strategic Asset Planning		10	8
	D0C084 - Engineering Technical Spvr	1	1
	D0C165 - Senior Engineering Technician	2	
	D0C273 - Senior Engineer	5	6
	D8216 - Principal Engineer	1	
	D8515 - Supvg Engineer	1	1
420 X 3000 X Project Development		8	3
	D0C084 - Engineering Technical Spvr		1
	D0C273 - Senior Engineer	5	1
	D1523 - Civil Engineering Technician 3	2	
	D8515 - Supvg Engineer	1	1
420 X 5000 X Development Services		13	2
	D0C084 - Engineering Technical Spvr	1	
	D0C165 - Senior Engineering Technician	3	
	D0C273 - Senior Engineer	3	
	D1521 - Civil Engineering Technician 1	1	1
	D1522 - Civil Engineering Technician 2	3	
	D1523 - Civil Engineering Technician 3	1	1
	D8216 - Principal Engineer	1	
421 X 1100 X Administration		11	1

D0C001 - Administrative Specialist	2	
D0C008 - Administrative Technician	2	
D0C273 - Senior Engineer	1	
D1062 - Clerk Typist 3	1	
D1522 - Civil Engineering Technician 2	1	
D1877 - Reproduction Machine Oper 2	1	
D8168 - Asst Treatment Superintendent	1	
D8216 - Principal Engineer	1	1
D8515 - Supvg Engineer	1	
D8544 - Sewers Chief Engineer		-

421 X 2100 X Easment Acquisitions	11	
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D0C008 - Administrative Technician	1	
D0C013 - Senior Administrative Splst	1	
D0C084 - Engineering Technical Spvr	1	
D0C165 - Senior Engineering Technician	2	
D0C235 - Senior Real Property Specialist	3	
D1523 - Civil Engineering Technician 3	1	
D8216 - Principal Engineer	1	
D8236 - Supervising Real Property Spec	1	

421 X 3100 X Engineering & Quality Assurance	17	2
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D0C165 - Senior Engineering Technician		1
D0C273 - Senior Engineer	4	
D0C503 - Supervising Surveyor	1	
D0C504 - Surveyor	3	
D1522 - Civil Engineering Technician 2	4	1
D1523 - Civil Engineering Technician 3	3	
D8216 - Principal Engineer	1	
D8515 - Supvg Engineer	1	

421 X 4100 X PM/CM Team 1	13	4
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D0C008 - Administrative Technician	1	
D0C273 - Senior Engineer	2	2
D1472 - Public Works Inspector 2	5	
D1725 - Sewer Construction Inspector	4	2
D8515 - Supvg Engineer	1	

421 X 5100 X PM/CM Team 2	17	1
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D0C084 - Engineering Technical Spvr	1	
D0C165 - Senior Engineering Technician	1	
D0C273 - Senior Engineer	1	
D1472 - Public Works Inspector 2	5	
D1725 - Sewer Construction Inspector	8	1
D8515 - Supvg Engineer	1	

421 X 6100 X PM/CM Team 3	9	5
D0C165 - Senior Engineering Technician	1	
D0C273 - Senior Engineer	7	5
D8515 - Supvg Engineer	1	
Grand Total	112	26

WWE – Non-Personnel

Total non-personnel budget is \$1.9 million, which includes, but is not limited to the following:

- \$158K Utilities (Power, Gas, Water, Phone)
- \$45K Petroleum Products
- \$219K Staff Development
- \$25K Subscriptions & Membership
- \$104K Office Machinery Rent
- \$71K Supplies
- \$56K Legal Services
- 500K GI incentive
- \$480K Expert Services:

WWE	480,000
Flow Monitoring	150,000
Model Maintenance Support	10,000
Modeling	200,000
SWM Model Update and support	60,000
Others - Based on Historical trend	60,000

Wastewater Administration WWA

Manage the department's centralized support services, which include: HR, Payroll, Training, Finance & Accounting and Information technology, focused on the core customers of Wastewater Collections, Wastewater Treatment, Watershed Operations, Enterprise Management and Regulatory Compliance and Safety.

WWA – Personnel

The 2016 O&M budget includes \$6.6 million for Personnel. This represents 69 FT positions of which 15 vacancies are projected to be filled.

Org Code	Classification	Budgeted Filled Positions	Budgeted Vacant Positions	Non-Budgeted Vacant Positions
430 X 0000 X Div Of Wastewater Admin		10	2	
	D0C001 - Administrative Specialist		1	
	D0C008 - Administrative Technician	2		
	D0C013 - Senior Administrative Spclst	6	1	
	D8041 - Supvg Management Analyst	1		
	D8983 - Employment & Training Supv.	1		
430 X 1000 X Office Of Superintendent		3		
	D1062 - Clerk Typist 3	1		
	D1601 - Laborer	1		
	D8257 - Public Wrks/Utilities Supt	1		
430 X 2000 X Personnel		6	2	
	D0C001 - Administrative Specialist	2		
	D0C013 - Senior Administrative Spclst	2	2	
	D8041 - Supvg Management Analyst	1		
	D8168 - Asst Treatment Superintendent	1		
430 X 3000 X Accounting		15	7	
	D0C001 - Administrative Specialist	3		
	D0C008 - Administrative Technician	4		
	D0C013 - Senior Administrative Spclst	1		
	D0C111 - Senior Accountant	2	2	
	D0C258 - Accountant		1	
	D1100 - Accounting Techician 1		1	
	D1105 - Accounting Technician 2	2		
	D1106 - Accounting Technician 3	1	2	

D8168 - Asst Treatment Superintendent	1		
D8254 - Supervising Accountant		1	
Division Manager	1		

430 X 5000 X Training	1		
D0C013 - Senior Administrative Splclst	1		

431 X 0000 X Information Technology	18	4	1
D0C043 - Senior Comptr Programmer/Anlys	8	3	
D0C044 - Technical Systems Analyst	2	1	1
D0C139 - Computer System Analyst	6		
D8045 - Info Technology Asst Manager	2		

Grand Total	53	15	1
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WWA – Non-Personnel

Total non-personnel budget is \$10.3 million, which includes, but is not limited to the following:

- \$5 million Billing, collections and customer care services
- \$1.8 million Software & License Fees
- \$1.1 million SAGIS and other subscriptions.
- \$1.7 million Expert Services:

WWA	1,640,000
Asset Management services	35,000
Business Intelligence development (reports, dashboards...)	32,500
Database Administration Supplemental Staff	40,000
Econ. Inclusion, Legal, System support, Outreach, SBE Compliance, Contractor Capacity	600,000
FloWatch hosting services	135,000
Infrastructure Professional Services	50,000
Laboratory technical services (reports, development)	22,000
OnBase development services	45,000
Program Development, Org. Assessment, County Svc's	150,000
Service Desk Supplemental Staff	125,000
SharePoint development	75,000
Workforce Training, Background checks, Org. Development	250,000
Job Classifications	80,500

Wastewater Treatment

WWT

Reclaim wastewater and return it to the environment.

WWT's operating budget is based on past years' spending levels, forecasted needs, and the professional judgment of licensed operators, engineers, and certified technicians.

Without the assurance of an adequate budget up-front, it is very difficult to manage since weather patterns and asset repairs are not necessarily predictable and there will always be an unforeseen need where budget needs to be readily available to ensure public health, environmental and worker safety protection.

Obtaining additional operating funds near the end of the year is extremely inefficient from a workload standpoint, and some costs end up being deferred to the next year's budget, without sufficient funds there to cover the additional expenses. This has become the way that MSD WWT has had to operate in recent years because there has not been adequate budget and emergency needs have arisen

The impacts of not having adequate budget at the beginning of the year are that:

- Repairs/purchases may be or are put "on hold" or deferred until sufficient funds are available
- Equipment reliability and process availability is reduced, impacting efficiencies and treatment effectiveness

This type of operation cannot be sustained without increasing risk to ratepayers, the environment and public health.

Inadequate asset maintenance will eventually result in substantial risk to environmental compliance and/or to the operation and maintenance of the system in future years. In addition, there is a risk of increasing asset life-cycle costs due to lack of proactive maintenance.

The treatment of wastewater has significant needs. MSD works hard to meet permit requirements and community and ratepayers expectations. MSD works hard to minimize neighbors of facilities and doing so requires expert services that allow MSD to address issues that arise in a highly regulated and technical 24/7 environment. Hundreds of thousands of people rely on our services every day.

WWT – Personnel

The 2016 O&M budget includes \$18.9 million for Personnel. This represents 254 FT positions of which 39 vacancies are projected to be filled. This budget reflects the following reductions:

- 50% or \$1.5 million Position Vacancy Allowance (PVA) - Assuming that not all 39 vacancies will be filled for the full year.
- 1.4 million for 15 Non-Budgeted Vacant Positions (other than the 39 vacancies)

Org Code	Classification	Budgeted Filled Positions	Budgeted Vacant Positions	Non-Budgeted Vacant Positions
441 X 0000 X	Div Of Wastewater Treatment	5	2	
	D0C001 - Administrative Specialist	1	2	
	D0C273 - Senior Engineer	1		
	D8168 - Asst Treatment Superintendent	2		
	D8256 - Treatment Superintendent	1		
441 X 1000 X	Office Of Superintendent	5		
	D1866 - Stockhandler	1		
	D1874 - Storekeeper	3		
	D1875 - Supvg Storekeeper	1		
442 X 0000 X	Millcreek Section	68	9	3
	D0C008 - Administrative Technician	1	-	1
	D0C119 - Plant Supervisor	4		
	D0C180 - Senior Plant Supervisor		-	1
	D0C640 - Supvr of Maintenance	4		
	D1494 - Electronics Technician 2		1	
	D1497 - Engineering Technician 3	3	2	
	D1613 - Electrical Maintenance Worker1		1	
	D1614 - Electrical Maintenance Worker2	5	2	
	D1641 - Maintenance Crew Leader	8		
	D1703 - Plant Operator 2 - OH Cert 2	22	1	
	D1713 - Plant Operator 2-OH Cert 3	3	2	
	D8304 - Treatment Supervisor	1		
	D8515 - Supvg Engineer		-	1
	D1701 - Plant Maintenance Specialist	17		
443 X 0000 X	Little Miami Section	26	4	1
	D0C008 - Administrative Technician	1		
	D0C119 - Plant Supervisor	2		
	D0C640 - Supvr of Maintenance	1		
	D1497 - Engineering Technician 3	2		
	D1613 - Electrical Maintenance Worker1		-	1
	D1614 - Electrical Maintenance Worker2	2		
	D1641 - Maintenance Crew Leader	2	1	
	D1703 - Plant Operator 2 - OH Cert 2	10	1	
	D1713 - Plant Operator 2-OH Cert 3	1		
	D1874 - Storekeeper		1	
	D8304 - Treatment Supervisor	1		
	D1701 - Plant Maintenance Specialist	4	1	

444 X 0000 X Muddy Creek Section	17	4	
D0C008 - Administrative Technician	1		
D0C119 - Plant Supervisor	1		
D0C640 - Supvr of Maintenance	1		
D1497 - Engineering Technician 3	1		
D1614 - Electrical Maintenance Worker2	1		
D1641 - Maintenance Crew Leader	2		
D1703 - Plant Operator 2 - OH Cert 2	3	3	
D1713 - Plant Operator 2-OH Cert 3	4		
D8304 - Treatment Supervisor		1	
D1701 - Plant Maintenance Specialist	3		
445 X 0000 X Sycamore Section	6	3	1
D0C180 - Senior Plant Supervisor	1	-	1
D1614 - Electrical Maintenance Worker2		1	
D1703 - Plant Operator 2 - OH Cert 2	3	1	
D1713 - Plant Operator 2-OH Cert 3		1	
D1701 - Plant Maintenance Specialist	2		
446 X 0000 X Taylor Creek Section	8	1	1
D0C119 - Plant Supervisor	1		
D0C180 - Senior Plant Supervisor		-	1
D1497 - Engineering Technician 3	1		
D1614 - Electrical Maintenance Worker2	1		
D1641 - Maintenance Crew Leader	2		
D1651 - Truck Driver	1		
D1713 - Plant Operator 2-OH Cert 3	1		
D1701 - Plant Maintenance Specialist	1	1	
447 X 0000 X Polk Run Section	7	2	1
D0C119 - Plant Supervisor	1	-	1
D1497 - Engineering Technician 3	1		
D1641 - Maintenance Crew Leader	1		
D1703 - Plant Operator 2 - OH Cert 2	2		
D1713 - Plant Operator 2-OH Cert 3	1	1	
D1701 - Plant Maintenance Specialist	1	1	
449 X 0000 X Maintenance Section	58	14	8
D0C008 - Administrative Technician	1		
D0C043 - Senior Comptr Programmer/Anlys	4		
D0C044 - Technical Systems Analyst		1	
D0C139 - Computer System Analyst	1		
D0C273 - Senior Engineer	6		1
D0C619 - Heat Ventilation & A C Special	2		
D0C640 - Supvr of Maintenance	2		

D0C867 - Buildng & Grnds Maint Crew Ldr	1	1	
D1497 - Engineering Technician 3	1	1	
D1498 - Engineering Technician 4	3	1	1
D1601 - Laborer	6	1	
D1611 - Electrical Maintenance Worker3	2	2	
D1614 - Electrical Maintenance Worker2	5		
D1641 - Maintenance Crew Leader	2	1	1
D1651 - Truck Driver	1	-	1
D1657 - Motor Equipment Operator 1		-	1
D1658 - Motor Equipment Operator 2	1		
D1659 - Motor Equipment Operator 3	2		
D1678 - Maintenance Machinist Helper	2	-	1
D1679 - Maintenance Machinist	2	-	1
D1681 - Maintenance Machinist-Crew Ld	1		
D1696 - Welder		1	1
D1855 - Facility Maint Specialist	3		
D3621 - Painter	3		
D8515 - Supvg Engineer	2	1	
D8541 - Asst Facilities Mntnce Manager		1	
D1701 - Plant Maintenance Specialist	5	3	

Grand Total	200	39	15
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WWT – Non-Personnel

Total non-personnel budget is \$29.4 million, which includes, but is not limited to:

- \$10 million Utilities (Power, Gas, Water, Phone)
- \$500K Fuel Oil & Petroleum Products
- \$3.5 million Sundry Contractual Services

WWT	3,453,000
Grass cutting and vegetation control	48,000
HVAC maintenance agreement. Oil analysis.	53,000
Landfill fees	330,000
Landscaping services	250,000
Liquid Sludge Hauling to Little Miami or Mill Creek	345,000
Locksmith services	1,000
Misc material disposal	1,500
Monthly PM and Emergency Repair of Stand-by Generators	40,000
Remote monitoring data plan	20,000
Remote monitoring services	50,000
SCADA and telemetry programming services	107,500
Sludge hauling	400,000
Sludge hauling and disposal	180,000
sludge hauling of cake when incinerator goes off line	1,263,000
Telemetry call center monitoring	200,000
Telemetry system support	25,000
Underground storage tank fees	5,000
Vactor services for cleaning incinerator when off line	12,000
Vactor services for cleaning of wet well	12,000
Vactor services for cleaning of wet wells and aeration tanks	110,000

- \$1.8 million Expert Services:

WWT	1,765,950
Aeration tank performance testing	108,000
Air emission regulatory testing	53,500
Business process improvements	50,000
Condition monitoring services	25,000
Discharge and Sewer Sludge Fees	50,200
East/West Automation project	200,000
Facility inspections	12,250
Laboratory services	42,000
Maintenance management software development	200,000
Maximo inventory/procurement enhancement with mobile utilization	400,000
MCTP Incinerator performance testing	200,000
Odor Control Phase 2	400,000
Supplemental services	25,000

- \$4.4 million Chemicals
- \$256K Software & License Fees
- \$1.5 million Mechanical and Plant Supplies
- \$2 million Plumbing & Electrical Machinery Parts
- \$2.6 million Repairs (Auto, Pumping, Building...)
- \$350K Building & Structure Insurance
- \$350K Security Guard Services
- \$311K Building Cleaning
- \$275K Staff Development

Wastewater Collection

WWC

Collect wastewater and convey it to the regional wastewater reclamation facilities.

WWC's operating budget is based on past years' spending levels, forecasted needs, and the professional judgment of engineers, managers and technicians. Wastewater collection manages the day-to-day operation of the combined and separate sewer system to meet NPDES permits requirements and customer service levels. The division performs state-of-the-art condition assessment & inspections, repairs & replacements, lining of aging mainline sewers, facility and mechanical maintenance of the wastewater collection system as part of a defined asset management program.

WWC – Personnel

The 2016 O&M budget includes \$10.3 million for Personnel. This represents 168 FT positions of which 43 vacancies are projected to be filled. This budget reflects the following reductions:

- 50% or \$1.7 million Position Vacancy Allowance (PVA) - Assuming that not all 43 vacancies will be filled for the full year.
- \$1.7 million capital funding (CIP)
- \$146K for 2 Non-Budgeted Vacant Positions (other than the 43 vacancies)

Org Code	Classification	Budgeted Filled Positions	Budgeted Vacant Positions	Non-Budgeted Vacant Positions
450 X 1000 X MSD-WWC-Administration and Support		8	3	
	DOC001 - Administrative Specialist	2		
	DOC013 - Senior Administrative Spclst	2		
	DOC165 - Senior Engineering Technician	1		
	D1874 - Storekeeper	1		
	D1875 - Supvg Storekeeper	1		
	D8168 - Asst Treatment Superintendent		3	
	D8710 - Wastewater Collection Supt	1		
450 X 2000 X MSD-WWC-Customer Service		26	6	
	DOC001 - Administrative Specialist	1		
	DOC013 - Senior Administrative Spclst	1		
	DOC039 - Asst Supvr of Customer Service		1	
	DOC165 - Senior Engineering Technician		1	
	DOC198 - Wastewater Collection Supvr		-	
	DOC750 - Supvr of Customer Service		-	
	DOC759 - Water Works Maint Field Supvr	1	1	
	D1604 - Utility Technician	10	-	
	D1721 - Wastewater Collection Crew Ldr	9	1	
	D1757 - Water Works Dispatcher	4	2	

D8202 - Public Works Operations Assistant Superintendent -

450 X 3000 X MSD-WWC-Equipment and Vehicles	8	4	
DOC098 - Fleet Services Supvr	1		
DOC198 - Wastewater Collection Supvr	1		
DOC759 - Water Works Maint Field Supvr	1	-	
D1651 - Truck Driver	2		
D1659 - Motor Equipment Operator 3	2		
D1667 - Automotive Mechanic			2
D1677 - Automotive Mechanic-Crew Chief	1		1
D8685 - Asst Fleet Services Manager			1
450 X 4000 X MSD-WWC-CSO Maintenance			4
DOC165 - Senior Engineering Technician			2
D1604 - Utility Technician			1
D1721 - Wastewater Collection Crew Ldr			1
450 X 5000 X MSD-WWC-Assessment and Cleaning	31	11	
DOC165 - Senior Engineering Technician	2	-	
DOC198 - Wastewater Collection Supvr			1
DOC759 - Water Works Maint Field Supvr	1		
D1474 - Wastewater Collection Inspectr	11		3
D1658 - Motor Equipment Operator 2	5		5
D1723 - Wastewater Collection Eq Spec	12		2
450 X 6000 X MSD-WWC-Asset Management	11	5	2
DOC001 - Administrative Specialist	1		
DOC130 - Senior Environ/Safety Spec	1		
DOC165 - Senior Engineering Technician	5		3
DOC273 - Senior Engineer	3		
DOC504 - Surveyor	1		
D1474 - Wastewater Collection Inspectr			- 1
D1523 - Civil Engineering Technician 3			1 1
D8216 - Principal Engineer			1
450 X 7000 X MSD-WWC-Facilities	3		
DOC640 - Supvr of Maintenance	1		
D1604 - Utility Technician	1		
D1673 - Maint Fabrication Apprentice	1		
450 X 8000 X MSD-WWC-Repair and Rehab	30	7	
DOC165 - Senior Engineering Technician	1		1
DOC198 - Wastewater Collection Supvr	1		
DOC759 - Water Works Maint Field Supvr	3		1
DOC805 - Sewer Maintenance Crew Leader	8		

D1651 - Truck Driver	7	2
D1657 - Motor Equipment Operator 1	4	
D1658 - Motor Equipment Operator 2	2	1
D1725 - Sewer Construction Inspector	1	
D1784 - Wastewater Collection Pipelayer	3	2

450 X 9000 X MSD-WWC-Maintenance Shop	6	3	
DOC198 - Wastewater Collection Supvr		-	
DOC273 - Senior Engineer	1		
D1673 - Maint Fabrication Apprentice	2	-	
D1674 - Maint Fabrication Specialist	2	1	
D1675 - Maint. Fabrication Crew Leader		2	
D1679 - Maintenance Machinist	1		
Grand Total	123	43	2

WWC – Non-Personnel

Total non-personnel budget is \$14.6 million, which includes, but is not limited to:

- \$316K Utilities (Power, Gas, Water, Phone)
- \$365K Petroleum Products
- \$1 million Equipment With Operator
- \$500K Stormwater elimination removal/reimbursement program
- \$103K Sundry Contractual Services

WWC	603,133
Chemical Disposal Services	5,000
Crane Inspection/Repair Services	7,500
Driveway/Lot Sweeping Services	4,000
Landfill Services	54,000
Machine Shop Services	10,000
Parts Washer Services	4,000
Pest Control Services	2,633
Radio Repair Services	1,000
stormwater elimination removal/reimbursement program	500,000
Tree Removal Services	15,000

- \$5.7 million Expert Services:

WWC		8,732,000
	Building Alarm Monitoring	7,000
	Business Process Certification Program	200,000
	Customer Communication	200,000
	Geotechnical Support & Preconstruction Surveys	50,000
	Technical Staff Supplementation	200,000
	WWC Vehicle GPS	75,000
	Sewer Condition Assessment and Cleaning	8,000,000
•	94K Claims	
•	\$567K Mechanical and Plant Supplies	
•	\$1.1 million Repairs (Auto, Pumping, Building...)	
•	\$269K Masonry And Road Material	
•	\$500K Street Opening And Restoration	
•	\$103K Security Guard Services	
•	\$49K Building Cleaning	
•	\$92K Cleaning-Waste Removal	
•	\$132K Staff Development	

Regulatory Compliance & Safety - RCS

Monitor and regulate industrial and commercial customers under the Pretreatment Program of the CWA, monitor and assist in compliance related activities of MSD operations and provide analytical laboratory services.

Regulatory & Environmental Compliance

The Regulatory and Environmental Compliance is charged with ensuring utility compliance with applicable federal, state and local environmental rules and regulations. Such rules and regulations include USEPA and Ohio EPA rules on such topics as surface water and wastewater, drinking water, storm water; sewage sludge, air quality, spill control, hazardous and universal waste management, chemical management; and many others. The Regulatory and Environmental Compliance group is the key interface between the utility and regulators for daily operations, and is involved in facility inspections, compliance reporting, violation abatement, permit renewals, etc. This focus area has enhanced efforts to coordinate closely with utility operational divisions to evaluate and recommend compliance strategies to maximize environmental compliance efforts.

Industrial Waste

The Industrial Pretreatment Program is responsible for managing MSD's Ohio EPA-approved industrial pretreatment program, ensuring industrial customer compliance with federal, state and local wastewater discharge rules and regulations. The Industrial Waste Section also manages the implementation of the MSD's surcharge program, ensuring fair and equitable assessment of cost to dischargers of high strength waste and also MSD's hauled waste program.

Safety

MSD is proactively working to eliminating workplace hazards, preventing injuries and accidents by performing more training and audits and creating more conversation around prevention and awareness – both within operations and construction areas. The mission is to promote and engage employees and the community to strive towards a safer environment and workplace in an environmentally and fiscally responsible manner.

Safety Section's focus is on improving the quality of life for our employees and the community it serve.

This will be achieved by

- Assisting, educating and providing guidance to the community and workforce.
- Reduce hazards in workplace and the surrounding community.
- Provide assistance and coordinate with regulatory agencies.

RCS – Personnel

The 2016 O&M budget includes \$4.7 million for Personnel. This represents 62 FT positions of which 17 vacancies are projected to be filled. This budget reflects the following reductions:

- 50% or \$614 Position Vacancy Allowance (PVA) - Assuming that not all 17 vacancies will be filled for the full year.

Org Code	Classification	Budgeted Filled Positions	Budgeted Vacant Positions
460 X 0000 X MSD-DIW-Industrial Waste		1	2
	D1290 - Laboratory Technician 3		2
	D8256 - Treatment Superintendent	1	
460 X 1000 X MSD-DIW-Office and Admin		1	
	D0C008 - Administrative Technician	1	
460 X 2000 X MSD-DIW-Permits And Compliance		3	
	D0C284 - Senior Chemist	1	
	D8168 - Asst Treatment Superintendent	1	
	D8218 - Envrnmntl/Solid Wst Prgms Crd	1	
460 X 3000 X MSD-DIW-Surcharge And Surveillance		18	3
	D0C091 - Industrial Investigator	5	1
	D0C273 - Senior Engineer	2	
	D0C609 - Supvr of Industrial Waste Disp	2	
	D1287 - Laboratory Assistant	1	
	D1460 - Industrial Waste Inspector	2	1
	D1606 - Pretreatment Specialist	6	
	D8304 - Treatment Supervisor		1
460 X 4000 X MSD-DIW-Laboratory		17	9
	D0C054 - Chemist	5	1
	D0C284 - Senior Chemist	3	

D1289 - Laboratory Technician 2	4	6
D1290 - Laboratory Technician 3	1	
D1291 - Laboratory Technician 4	3	2
D8286 - Supvg Chemist	1	
460 X 5000 X Safety	5	3
D0C013 - Senior Administrative Spclst	1	1
D0C072 - Environmental/Safety Specialst		1
D0C130 - Senior Environ/Safety Spec	3	
D8041 - Supvg Management Analyst		1
D8131 - Supvg Environ/Safety Spec	1	
Grand Total	45	17

RCS – Non-Personnel

Total non-personnel budget is \$2.3 million, which includes, but is not limited to:

- \$71.5K Utilities (Power, Gas, Water, Phone)
- \$18K Petroleum Products
- \$49K Wearing Apparel
- \$19K Cleaning-Waste Removal
- \$159K Supplies & Tools
- \$233K Security Enhancements
- \$550K Sundry Contractual Services

RCS		783,000
Algae pilot project		50,000
As Needed Program Support		20,000
Documentation of Program Activities		45,000
Industrial Hygiene support; haz assessments; air sampling		300,000
ipacs customized enhancements		35,000
Local Limits Development		50,000
Water quality pilot project		50,000
Security Enhancements		233,000

- \$200K Expert Services:

DIW		200,000
Treatment Process Enhancement through Lab Program.		200,000

- \$380K Laboratory Supplies
- \$171K Technical Repairs
- \$235K Tests - Miscellaneous
- \$112K Staff Development

Watershed Operation - WO

Beginning with the 2016 budget year, the budgets for the **Watershed Operations Division** and the **SBU** Program will no longer be represented under the same department code of 470, in order to track and report more effectively on discrete business functions. This also aids in managing the appropriate access to those cost centers in the financial system.

The Watershed operations Division (WO) operates and maintains assets built to handle wet weather flow, specifically high-rate treatment facilities, real-time control facilities, and stormwater control measures, with the ultimate objective of optimizing their performance and lowering the total life-cycle cost of ownership.

Several key WO budget items are highlighted below under their respective business functions with detailed explanations. *See **Appendix B** for detailed program discussions.*

Wet Weather Facilities

WO is responsible for the operation and maintenance of MSD's wet weather assets, specifically:

- SSO 700 Storage and Treatment Facility
- Badgeley Run Real Time Control (RTC)
- Ross Run RTC
- Mitchell Avenue RTC
- Lick Run RTC
- Little Miami RTC
- Daly Road CSO Storage and Treatment Facility
- Muddy-Westbourne CSO Storage and Treatment Facility

Remote Monitoring

Watershed Operations provides comprehensive monitoring of the wastewater collection system and the assets that impact it as a service for all MSD users. Remote monitoring data supports operational decisions, using real-time data from critical points to optimize the management of controllable assets, as well as planning and design decisions, providing historical flow and level data from permanent and temporary meters to improve the hydraulic and water quality models. As such, WO acts as a centralized and streamlined provider of all field-generated data, including flow monitoring services.

Stormwater Control Measures

Watershed Operations is responsible for the maintenance and proper operation of MSD's stormwater control measures (SCMs). These assets include bioretention basins, vegetated swales, permeable pavement, and other landscape features designed to reduce stormwater inflow to the combined sewer

system through infiltration, evapotranspiration, and capturing and slowly releasing stormwater. These assets are maintained to preserve function and inspected to evaluate their ability to perform.

CSO Control Technology Evaluation

This program is a continuation of work underway to identify and evaluate CSO control technologies that can meet MSD’s consent decree requirements at the lowest cost. We are aggressively seeking out new and emerging CSO control technologies in the areas of alternative disinfection; advanced filtration; state of the art solid and floatables control; and unconventional, in-system storage and control systems. All technologies are given a thorough review based on available, peer-reviewed literature and high quality gray literature, with special emphasis on the evaluation of cost and performance data. If technically sound and has the potential to provide the required level of control at a lower cost, a technology is piloted to validate the cost-effectiveness of the technology under MSD’s unique operating conditions.

MSD has partnered with the U.S. EPA’s Office of Research and Development in Cincinnati to acquire internationally recognized technical expertise in CSO management and treatment to lead WO’s progressive efforts to uncover and validate new and emerging technologies for application in MSD’s system. An Intergovernmental Personnel Agreement (IPA) between MSD and U.S. EPA has been established to provide WO with this technical expertise.

WO – Personnel

The 2016 O&M budget includes \$506K for Personnel. This represents 4 FT positions.

Org Code	Classification	Budgeted Filled Positions
470 X 0000 X WO		4
	D0C273 - Senior Engineer	1
	D8046 - Information Technology Manager	1
	D8168 - Asst Treatment Superintendent	1
	D8515 - Supvg Engineer	1
Grand Total		4

WO – Non-Personnel

Total non-personnel budget is \$5.9 million, which includes, but is not limited to:

- \$1.8 million Sundry Contractual Services

470 - WO		1,800,000
Contracted preventative and reactive maintenance for all stormwater control measures (SCM) and includes assets both above and below ground.		200,000
Contract services for the installation, removal and all site maintenance of remote field monitoring equipment, including level sensors, flow meters, and rain gauges.		1,600,000

- \$3.2 million Expert Services:

470 - WO		3,235,000
Support services for CSO distributed treatment technologies		265,000
Performance monitoring strategy implementation		220,000
Performance management services for Real Time Control (RTC) and High Rate Treatment (HRT) facilities		150,000
Programatic management and support for MSD's Remote Monitoring Program		400,000
Expansion of the wet weather operational capabilities through use of the GE IP Proficy system.		2,200,000

- \$355K -Subscriptions & Membership
- \$23K Staff Development
- \$313K Technical Equipment Parts and other supplies
- \$59K Chemicals

Sewer Backup Response Program - SBU

Provide customer relief for capacity related sewer backups.

Beginning with the 2016 budget year, the budgets for the **Watershed Operations Division** and the **SBU** Program will no longer be represented under the same department code of 470, in order to track and report more effectively on discrete business functions. This also aids in managing the appropriate access to those cost centers in the financial system.

SBU – Personnel

The 2016 O&M budget includes \$435 for Personnel. This represents only 9 FT positions of which three vacancies are projected to be filled.

Sum of #of FT	Org Code	Classification	Name3 Budgeted Filled Positions	Budgeted Vacant Positions
480 X 0000 WO			3	6
		D0C013 - Senior Administrative Spclst	1	
		D0C039 - Asst Supvr of Customer Service		1
		D0C084 - Engineering Technical Spvr	1	
		D0C165 - Senior Engineering Technician	1	4
		D8710 - Wastewater Collection Supt		1
Grand Total			3	6

SBU – Non-Personnel

Total non-personnel budget is \$5 million, which includes, but is not limited to:

- \$1.1 million Sundry Contractual Services

480 - SBU	1,080,422
Sewer Backup Cleaning Contractors	1,080,422

- \$3.1 million Expert Services:

480 - SBU	3,139,000
Sewer Backup Claim Valuation	32,000
Sewer Backup Customer Services	1,000,000
Sewer Backup Prevention Program	2,107,000

- \$580K Claims & Legal Services

Vehicles

2016 Vehicle budget is \$1.7 million. This is a replacement budget, no new addition to the current fleet.

Reason for replacements:

- Aged fleet. Some of these items are as old as 1992 & 2000
- Some of these items are from the 2015 equipment replacement program to the reduction of submitted budget.
- Operational needs :e.g. : Dump truck; this will allow MSD to haul a load to the dump that would otherwise take almost three single axle dump trucks to haul.
- Safety concerns.

Item to be Purchased	#
17 YARD DUMP TRUCK	1
4x4 Utility truck	1
ATV	3
Fork lift	1
Pick -up	2
Replacing Little giant Crane	1
SUV	5
TV/Flush truck	1
Van	6
Van seats 5	1
Van seats 5 w/arrow board	3
Grand Total	25

Capital Equipment (OTEA)

Department	Itemization Name	New / Replacement	2016 Estimated Cost
420	GPS Base Stations	replacement	20,000
420	Survey EDM/Theodolite Total Station	replacement	15,000
420	Survey GPS Software Upgrade	replacement	5,000
430	Devices and equipment for safety program requirements: ie. lock out tag out / electrical; fall protection; confined space	new	30,000
431	Specialty and Misc Equipment		25,000
431	Lifecycle replacement desktops		250,000
431	Lifecycle replacement laptops		145,000
431	Data center improvements		220,000
431	Virtualization expansion		105,000
431	Security needs		138,000
442	Rotating equipment replacement (pumps, motors, gearboxes, etc)	Replacements	500,000
443	Rotating equipment replacement (pumps, motors, gearboxes, etc)	Replacements	200,000
444	Rotating equipment replacement (pumps, motors, gearboxes, etc)	Replacements	100,000
445	Rotating equipment replacement (pumps, motors, gearboxes, etc)	Replacements	100,000
446	Rotating equipment replacement (pumps, motors, gearboxes, etc)	Replacements	100,000
447	Rotating equipment replacement (pumps, motors, gearboxes, etc)	Replacements	100,000
448	Pump station submersible pumps and generator replacements	Replacements	200,000
448	Remote monitoring panels and instrumentation (10 stations)	New	200,000
449	Facility asset replacement (HVAC, lighting, roof, UPS, etc.)	Replacements	500,000
450	NOZZLES & ROOT CUTTERS FOR FLUSH/VAC TRUCKS	Replacement	\$50,000.00
450	IBAK COAX REEL LAUNCHER - 3 EA.	Replacement	\$15,000.00
450	IBAK LISY	Replacement	\$65,000.00
450	LATERAL CAMERA REPLACEMENT - 3 EA.	Replacement	\$75,000.00
450	IBAK FIBEROPTIC CABLE REEL - 3 EA.	Replacement	\$24,000.00
450	CUES LAUNCH CABLE	Replacement	\$10,000.00
460	Sampling and Field Analysis Equipment	Repair & replace	144,000
460	Refrigerator (2 each)	Replace old	2,250
460	COD Analyzer (1 each)	Hach DR3900	5,000
460	Jar Testing Apparatus	Phipps & Bird	4,000
460	BOD incubator	Outlying lab	4,500

460	BOD Analyzer	Process Support	80,000
460	Discrete Composite Sampler (1 each)	Support to WWT	
460	Respirometer (1 each)	Support to WWT	35,000
460	Liquid / Liquid Extraction System	Oil and Grease	70,000
460	Ion Chromatograph	Hexavalent Cr	45,000
460	Refrigerators (4 each)	Replace old	4,500
460	Fitness Center		51,042

Indirect City Overhead

The calculation of the overhead is based on the rate determined in the Maximus cost allocation plan and applied to the prior year financial statement. The City and County in settlement of dispute in 1997 determined there would be an outside firm that will prepare a cost allocation plan and the overhead would be based on that rate. 2016 budget is \$2.9 million; 2014 actual calculations were \$2.88 million.

Direct County Overhead

2016 budget is \$295,510 and included within OOD budget. Hamilton County submits quarterly statements for its oversight activities, which are paid from MSD Capital Fund. Total for 2014 was \$2.8 million.

Indirect County Overhead

2016 budget is \$178,325 and included within OOD budget.

Debt Service

\$111.2 is budgeted to current debt of which \$334K to pay MSD share of the pension-related debt.

Funds Balance

Appendix C lists all of MSD accounts with US Bank. As of June 30, 2015

Operating Fund

Uncommitted cash balance as of June 30, 2015 is \$92.7 million (\$121.7 - \$29). MSD pro forma suggest \$71.6 million cash balance by end of 2015. This is an actual cash balance and reflects the annual cash transfer to Surplus fund but does not reflect end of year encumbrance balance. The target for the year-end operating fund cash balance shall be 90 days (60 days to remain in the operating fund and 30 days maintained in the surplus fund) of the current year planned operating expenditures. This is intended to maintain operating reserves at a level sufficient to meet working capital and unanticipated needs.

Construction Fund (704)

Actual cash balance as of June 30, 2015 is -\$219K. MSD addressed this cash shortage by a transfer of \$20 million from the Surplus fund on July 2nd. Actual spending from this fund during the 1st half of the year was \$40.6 million while encumbrance balance as of June 30th is \$80.6 million.

Surplus Fund

Account balance as of June 30, 2015 was \$309.6 million. Per the Trust Agreement, MSD within 30 days after receipt of audited financial statement is obligated to transfer any pledged revenue in access of two month of O&M expenditures to the Surplus Fund. It is MSD policy that this account shall maintain a minimum net balance (after deducting any net obligations in the MSD Capital Improvements Fund) of \$50,000,000.

Bond Reserve Funds

Accounts held by the Trustee that holds amounts in reserve equal to the annual Bond payment. The fund balance as June 30, 2015 was \$62.3 million.

Bond Funds

Bond accounts are accounts held by the Trustee for the payments of the principal of and premium, if any, and interest on the outstanding Bonds (other than the Refunded Bonds), and, to the extent provided in the Bond Legislation, for the redemption, and the purchase for retirement, of the outstanding Bonds. Total aggregated bond funds balance as of June 30, 2015 was \$30.9 million.

Pro Forma

Pro Forma Operating Statement Assumptions

Like all financial forecasting tools, pro forma projections are based on a series of assumptions that invariably do not prove totally accurate over time. Moreover, projections become less certain the further one extends the forecasting horizon. This pro forma presented herein represents the MSD Finance Office's best estimate of MSD's financial status into the future, given the following assumptions.

Expenditure Assumptions

- 2% inflation rate
- 3% personnel cost increase
- 5% Encumbrance cancellation reduction
- Debt Service:
 - New bond sales in 2017 (\$200 million), 2019 (\$270 million) and 2021 (\$180 million)
 - 5% bond rate
 - Bond Terms: 25 years

Revenue Assumptions

- Annual Growth (volume per customer) - %:
 - 2016 -2.0%
 - 2017 -1.5%
 - 2018 -1.0%
 - 2019 -0.5%
 - 2020 0.0%
 - 2021 0.0%
- Rate increase:
 - 2016 5.5%
 - 2017 5.0%
 - 2018 4.0%
 - 2019 3.0%
 - 2020 3.0%
 - 2021 3.0%
- Maintain the current Sewerage Surcharges rate with no rate increase.
- 1% increase for non-Sewerage Service Charges.

MSDGC Pro Forma Operating Statement For Years 2014 - 2024

In Dollars - 000's Omitted

	Actual	Budget	Budget	Projection							
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Fund 701											
Beginning Cash Balance at 12/31 of Prior Year	79,894	120,220	103,655	89,289	87,762	100,667	96,227	97,982	97,330	94,979	100,329
Utility Revenue											
Sewerage Service Charges	241,302	241,302	241,302	241,302	241,302	241,302	241,302	241,302	241,302	241,302	241,302
Sewerage Service Charges Increase											
	2015	5.5%	11,060	13,272	13,272	13,272	13,272	13,272	13,272	13,272	13,272
	2016	5.5%		11,668	14,002	14,002	14,002	14,002	14,002	14,002	14,002
	2017	5.0%			11,191	13,429	13,429	13,429	13,429	13,429	13,429
	2018	4.0%				9,400	11,280	11,280	11,280	11,280	11,280
	2019	3.0%					7,332	8,799	8,799	8,799	8,799
	2020	3.0%						7,552	9,062	9,062	9,062
	2021	3.0%							7,779	9,334	9,334
Sewerage Surcharges	18,995	18,995	18,995	18,995	18,995	18,995	18,995	18,995	18,995	18,995	18,995
Sewerage Surcharges Increase											
	2015	0.0%									
	2016	0.0%									
	2017	0.0%									
	2018	0.0%									
	2019	0.0%									
	2020	0.0%									
	2021	0.0%									
Annual Growth (volume per customer) - %			-2.0%	-1.5%	-1.0%	-0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Annual Growth (volume per customer) - \$			-5,705	-10,186	-13,290	-14,888	-14,888	-14,888	-14,888	-14,888	-14,888
New Tap - In Charges	2,182	2,204	2,226	2,248	2,271	2,293	2,316	2,339	2,363	2,386	2,410
Septic and Grease Tickets	1,554	1,569	1,585	1,601	1,617	1,633	1,649	1,666	1,682	1,699	1,716
Pretreatment Monitoring	767	774	782	790	798	806	814	822	830	838	847
Special/certified Assessment Collections	507	512	517	522	527	533	538	543	549	554	560
Prior Year Reimbursement/Refund	534	539	545	550	556	561	567	573	578	584	590
Interest from Treasury Investments	989	999	1,009	1,019	1,029	1,040	1,050	1,060	1,071	1,082	1,093
Miscellaneous Revenue	1,614	1,630	1,646	1,663	1,679	1,696	1,713	1,730	1,747	1,765	1,783
Total Revenue	268,442	279,584	287,841	296,967	305,585	313,284	322,388	331,764	338,748	345,353	352,088
	3.0%	4.2%	3.0%	3.2%	2.9%	2.5%	2.9%	2.9%	2.1%	1.9%	2.0%
Utility Expense											
Operations & Maintenance											
7100 Personal Services	31,931	33,350	37,043	38,154	39,299	40,478	41,692	42,943	44,231	45,558	46,925
7200 Contractual Services	43,932	46,141	59,835	61,032	62,252	63,497	64,767	66,063	67,384	68,732	70,106
7241 GAS	1,468	971	1,355	1,382	1,410	1,438	1,467	1,496	1,526	1,557	1,588

MSDGC Pro Forma Operating Statement For Years 2014 - 2024

In Dollars - 000's Omitted

	Actual	Budget	Budget	Projection							
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
7248 POWER	6,941	7,032	7,422	7,571	7,722	7,877	8,034	8,195	8,359	8,526	8,697
7293 COLLECTION OF SEWERAGE BILLS	4,772	5,628	5,000	5,100	5,202	5,306	5,412	5,520	5,631	5,743	5,858
7295 OVERHEAD CHARGE	2,887	2,965	3,250	3,315	3,382	3,449	3,518	3,588	3,660	3,733	3,808
All Others	27,864	29,544	42,807	43,663	44,536	45,427	46,336	47,262	48,208	49,172	50,155
7300 Materials And Supplies	9,696	10,428	12,116	12,358	12,605	12,857	13,114	13,377	13,644	13,917	14,195
7400 Fixed Charges	5,022	5,250	5,625	5,737	5,852	5,969	6,088	6,210	6,334	6,461	6,590
7500 Fringe Benefits (other than Health insurance)	6,178	6,302	6,832	7,037	7,248	7,466	7,690	7,920	8,158	8,403	8,655
7532 Health insurance	7,098	5,765	6,907	7,115	7,328	7,548	7,774	8,008	8,248	8,495	8,750
7600 Properties	4,265	3,410	5,364	5,472	5,581	5,693	5,806	5,923	6,041	6,162	6,285
Total O&M Expenditures	108,122	110,646	133,722	136,904	140,165	143,507	146,932	150,442	154,040	157,727	161,506
LESS: Projected Encumbrance Cancellation		5,532	6,686	6,845	7,008	7,175	7,347	7,522	7,702	7,886	8,075
Adjusted O&M Expenditures	108,122	105,114	127,036	130,059	133,157	136,332	139,586	142,920	146,338	149,841	153,431
7700 Debt Service											
7700 Debt Service											
7717 Sewer Revenue Bonds	54,863	40,920	43,125	44,865	29,050	30,475	31,500	33,100	34,270	35,730	37,270
7727 Sewer Revenue Bonds Interest	41,673	35,191	34,827	33,635	31,684	30,260	28,774	27,213	25,554	23,817	21,999
OWDA principal		20,664	23,162	23,121	23,400	22,621	16,392	16,784	16,802	17,324	17,745
OWDA interest		9,225	10,113	9,366	8,610	7,781	7,036	6,478	5,909	5,341	4,756
Proposed New Debt Payments				10,000	20,000	33,000	46,000	54,825	63,650	61,975	68,300
Total Debt Payments	96,536	106,000	111,227	120,987	112,744	124,137	129,702	138,400	146,185	144,188	150,070
Total Expenditures	204,657	211,114	238,262	251,046	245,901	260,469	269,287	281,320	292,523	294,029	303,501
Transfer in/out (to Surplus Account)	-24,000	-85,035	-63,945	-47,448	-46,778	-57,256	-51,346	-51,095	-48,576	-45,974	-49,745
Change in Liability	541										
Ending Cash Balance (701)	120,220	103,655	89,289	87,762	100,667	96,227	97,982	97,330	94,979	100,329	99,171

Rate covenant tests:

Net revenues vs. total debt service

Required ratio of lines C ÷ K	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Actual ratio of lines C ÷ K	1.66	1.65	1.45	1.38	1.53	1.43	1.41	1.36	1.32	1.36	1.32

Net revenues vs. revenue bond debt service

Required ratio of lines C ÷ (D + E)	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Actual ratio of lines C ÷ (D + E)	1.66	2.29	2.06	1.89	2.14	1.89	1.72	1.64	1.56	1.61	1.56

Days Cash-on-Hand (O&M)	406	360	257	246	276	258	256	249	237	244	236
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MSDGC Pro Forma Operating Statement For Years 2014 - 2024
In Dollars - 000's Omitted

	Actual	Budget	Budget	Projection							
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024

Fund 704

Beginning Cash Balance at 12/31 of Prior Year	52,083	6,295	-21,651	32,832	19,847	43,403	6,641	54,142	16,138	4,715	70,689
Reimbursement & Miscellaneous Revenue	2,434										
+ Transfer In (From Surplus Fund)	24,000	85,035	263,945	167,448	196,778	137,256	171,346	51,095	88,576	165,974	49,745
(-) Expenditures	72,222	112,981	209,462	180,433	173,223	174,018	123,844	89,099	100,000	100,000	100,000
Ending Cash Balance	6,295	-21,651	32,832	19,847	43,403	6,641	54,142	16,138	4,715	70,689	20,434

Surplus Account

Beginning Cash Balance at 12/31 of Prior Year		319,748	341,705	143,413	224,130	75,251	265,627	146,955	347,690	309,429	190,976
Bond Sale Proceeds				200,000		270,000		200,000			160,000
Transfer In (From O&M Fund 701)	24,000	85,035	63,945	47,448	46,778	57,256	51,346	51,095	48,576	45,974	49,745
Transfer out (To Fund 704)	-24,000	-85,035	-63,945	-47,448	-46,778	-57,256	-51,346	-51,095	-48,576	-45,974	-49,745
Transfer out (To Fund 704)			-200,000	-120,000	-150,000	-80,000	-120,000		-40,000	-120,000	
Transfer From Another Trust For Excess Reserves		20,000									
Interest, Dividends and Other Income		1,058	1,709	717	1,121	376	1,328	735	1,738	1,547	955
Distributions		-129									
Fees and Expenses		-74									
Net Change in Investment Value		1,101									
Ending Cash Balance		341,705	143,413	224,130	75,251	265,627	146,955	347,690	309,429	190,976	351,931

Appendix

Appendix A

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
410- Sewers Dir				2,952,728	2,480,685	2,096,710	14,643,224	3,544,543	4,542,000	7,040,807
	Personnel			1,125,957	830,789	1,002,819	1,080,354	1,385,778	1,800,000	1,788,217
		71		1,125,957	830,789	653,378	744,705	1,014,269	1,344,457	1,335,299
			7110	(34)						
			7111-Regular Hours	887,261	624,677	544,488	559,246	833,181	1,315,017	1,334,949
			7112-Sick Pay	26,849	16,464	27,586	22,195	29,400	0	
			7113-Vacation Pay	95,908	59,630	81,460	99,788	89,739	0	
			7114-Compensatory Time Used	9	2,652		1,389	404	0	
			7115-Donated Time	48						
			7119-Disaster Regular Hours					1,322	0	
			7121-Overtime	(328)			599			
			7129-Disaster Overtime					401	0	
			7151-Birthday Holiday	1,152	685	933	1,184	973	0	
			7153-Holiday	43,389	34,370	38,415	41,427	47,572	0	
			7155-Jury Duty			1,385		933	0	
			7157-Training	31,899	24,598	16,114	32,122	31,420	0	
			7161-Longevity		350	350	350	350	350	350
			7171-Lump Sum Payment	20,999	89,669		37,819	973	0	
			7182-Deferred Comp Match	5,000	4,770	5,000	5,000	6,120	14,000	
			7191-Gross Pay Adjustment	(1,495)	(1,655)	(1,928)	(383)	(3,564)	0	
			7192-Sick Pay Buyback	12,443	8,091	7,774	9,595	13,249	15,090	
			7197-Reimbursement			(72,900)	(73,615)	(47,884)	0	
			7198-Retroactive Pay	2,857	1,421	4,702	7,989	9,679	0	
			7199-Personal Services-Noc		(34,933)					
		75				349,441	335,649	371,509	455,543	452,918
			7521-City Pension			195,887	225,740	220,467	210,550	188,417
			7522-State Pension			35,712	34,460	41,878	54,171	9,466
			7532-Employee Hospitalization			181,703	208,110	191,269	151,965	216,045
			7536-Medicare Tax			14,643	15,447	15,784	33,849	12,685
			7537-AFSCME Dental/Vision			765	765	810	1,305	6,424
			7538-Management Dental/Vision			12,519	13,602	6,435	0	6,038
			7539-Management Life Insurance			1,586	1,685	1,510	3,703	833
			7541-Workers Comp			14,954	11,174	6,649	0	11,772
			7548-Reimbursement			(109,436)	(175,778)	(114,181)	0	
			7549-Fringes			1,106	445	888	0	1,238
	Non-Personnel			1,826,771	1,649,896	1,093,891	13,562,870	2,158,765	2,742,000	5,252,590
		72		1,160,009	992,479	750,422	11,146,796	1,749,600	2,115,000	4,613,680
			7212-Telephone	16,946	15,580	19,883	20,159	17,595	20,002	20,376
			7213-Travel Expense Local	13,917	6,981	6,573	6,805	4,927	6,800	6,930
			7214-Travel Expense Non-Local	30,446	43,557	32,520	35,192	48,795	45,000	45,855
			7215-Training	14,630	14,153	13,094	13,843	11,237	151,838	154,723

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7218-Promotional Expense	10	23	32	22		0	
			7219-Communication & Travel-No							
			7232-Printing And Other Repro	7,791	8,088	8,626	4,940	1,403	54,500	55,536
			7234-Advertising Of Legal Noti	2,569	1,492	483	4,201	1,386	25,000	25,475
			7254-Automotive By Municipal G		1,350					
			7274-Motor Vehicle Cleaning					18	0	
			7275-Recycling						0	
			7281-Legal Services	189,855	102,390	60,000	113,425	265,087	50,000	50,950
			7289-Expert Services-Noc	883,844	798,865	473,853	10,945,262	1,394,534	1,296,860	3,780,000
			7295-Overhead Charge			135,357			465,000	473,835
			7299-Sundry Contractual Servic				2,947	4,619	0	
	73			19,436	39,987	27,320	17,879	18,670	27,000	27,510
			7311-Office Supplies	13,246	20,357	24,690	13,066	16,573	20,500	20,887
			7312-Drafting Supplies			1				
			7313-Photographic Supplies		143			1,050	1,000	1,019
			7314-Books	30	174		419	1,047	4,500	4,585
			7315-Minor Office Equipment <\$			731			1,000	1,019
			7319-Office Drafting - Noc	2,051						
			7331-Lubricants		7,053					
			7335-Paints, Oils & Glass	52						
			7341-Medical And Surgical Supp			6				
			7361-Mechanical And Plant Supp	1,813	9,362	1,743	1,064			
			7364-Wearing Apparel						0	
			7371-Cleaning Supplies			133	20			
			7373-Horticulture Supplies	1,790						
			7379-Sundry Supplies - Noc				1,240			
			7381-Household And Office Furn		884		2,071			
			7391-Plumbing Machinery Parts			17				
			7392-Electrical Machinery Part	453	2,013					
	74			647,327	617,430	316,149	2,398,194	390,495	600,000	611,400
			7415-Office Machinery Rent	5,310	5,300	5,122	4,535	3,500	5,003	5,101
			7419-Rent - Noc	5,480	8,273	9,197	290,257	10,026	290,257	295,772
			7425-Workers' Compensation Ins	7,175	11,395					
			7431 PENSION AND RETIREMENT CONTRIBUTION (prior to 2012)	317,870	328,203					
			7434-Tuition Reimbursement	27,989	(45,127)			1,080	0	
			7452-Subscriptions & Membershi	283,503	309,387	301,831	359,239	348,346	299,740	305,432
			7454-Judgments - Personal-Clai				3,000		3,000	3,057
			7455-Judgments - Property-Clai				75,700	710	2,000	2,038
			7459-Sundry Fixed Charges - No				1,665,464	26,833	0	
420- MSD WW Eng				2,340,389	2,384,248	2,404,016	2,434,347	2,779,538	2,419,720	3,460,244

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
	Personnel			1,330,595	1,435,960	2,276,959	2,345,177	2,504,067	2,397,910	2,339,894
		71		1,330,595	1,435,960	1,305,428	1,515,793	1,740,530	1,631,231	1,529,529
			7110		(813)					
			7111-Regular Hours	1,099,111	1,190,012	1,104,236	1,236,028	1,408,776	1,571,117	1,526,939
			7112-Sick Pay	69,252	65,557	80,981	68,573	65,280	0	
			7113-Vacation Pay	200,914	170,810	215,492	192,694	212,646	0	
			7114-Compensatory Time Used	1,630	1,592	1,692	2,439	243	0	
			7115-Donated Time		2,946		1,462			
			7117-Injury With Pay-Nonunifor	1,017						
			7118-Personal With Pay			201				
			7121-Overtime	999	579	66	0	288	0	290
			7151-Birthday Holiday	11,341	7,706	9,156	8,202	7,921	0	
			7153-Holiday	124,968	107,919	110,005	98,244	96,528	0	
			7155-Jury Duty	1,048	128	924		3,799	0	
			7157-Training	46,562	38,945	35,367	23,345	35,386	0	
			7158-Union Time	2,556						
			7161-Longevity		5,350	2,500	2,675	2,300	350	2,300
			7171-Lump Sum Payment		37,953	317	49,732	5,024	0	
			7175-Light Duty Assignment	48						
			7182-Deferred Comp Match	14,500	12,500	13,460	12,165	14,167	23,409	
			7191-Gross Pay Adjustment	(4,596)	(5,637)	(7,401)	(5,670)	(5,031)	0	
			7192-Sick Pay Buyback	15,331	17,494	24,496	29,105	28,730	20,480	
			7197-Reimbursement			(298,069)	(207,746)	(178,940)	15,875	
			7198-Retroactive Pay	7,425	11,275	12,005	4,546	43,411	0	
			7199-Personal Services-Noc	(261,512)	(228,358)					
		75				971,531	829,385	763,538	766,679	810,365
			7521-City Pension			621,721	620,892	573,697	321,699	326,585
			7522-State Pension			30,605	30,520	32,024	23,559	21,356
			7532-Employee Hospitalization			598,600	582,168	514,624	351,011	374,466
			7536-Medicare Tax			44,636	37,950	38,317	53,838	28,616
			7537-AFSCME Dental/Vision			6,694	5,355	5,670	4,185	14,493
			7538-Management Dental/Vision			38,643	36,746	18,722	0	13,621
			7539-Management Life Insurance			4,190	3,896	3,385	6,481	1,879
			7541-Workers Comp			25,847	22,417	13,454	0	26,556
			7548-Reimbursement			(401,317)	(511,446)	(438,111)	5,906	
			7549-Fringes			1,912	888	1,756	0	2,793
	Non-Personnel			1,009,793	948,288	127,057	89,170	275,471	21,810	1,120,350
		72		201,489	207,715	102,652	78,466	260,582	15,060	1,099,520
			7211-Postage					1,200	0	754
			7212-Telephone	36,548	43,767	7,498	8,624	34,668	1,000	32,877
			7213-Travel Expense Local	3,270	7,174	442	354	9,656	0	10,000

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7214-Travel Expense Non-Local	9,159	5,672	6,262	2,745	15,760	0	34,500
			7215-Training	12,275	7,141	16,107	3,410	16,084	10,500	31,899
			7232-Printing And Other Repro	297	592	297	297	1,728	500	2,510
			7241-Gas	12,672						
			7246-Sewerage Service Charges	5,483	2,965	1,811				
			7247-Water Meter Service	1,996	1,066	639		859	0	900
			7249-Utility Service - Noc	2,114	1,917	1,482	1,775	1,664	0	1,700
			7254-Automotive By Municipal G	16,620	5,959	1,764	3,995	20,922	3,060	22,118
			7258-Building Repairs- Equipme			7,352	118	90	0	100
			7263-Street Opening And Restor						0	
			7271-Building Cleaning			3				
			7272-Laundry And Dry Cleaning					17	0	
			7274-Motor Vehicle Cleaning	162				99	0	100
			7281-Legal Services		32,396	44,655	55,274			
			7286-Security Guard Services							34,000
			7289-Expert Services-Noc	100,891	99,066	14,338	1,875	157,834	0	428,062
			7299-Sundry Contractual Servic	1						500,000
	73			37,560	6,014	11,183	7,723	9,405	3,250	14,060
			7311-Office Supplies	11,666	4,487	5,650	1,988	5,244	2,000	7,537
			7312-Drafting Supplies			14				
			7314-Books		920				30	30
			7315-Minor Office Equipment <\$	523					4	4
			7316-Computer Peripherals < \$5			279				
			7335-Paints, Oils & Glass			883	549	553	0	800
			7338-Petroleum Products	13,111	(4,187)	3,146	471	1,373	1,216	3,239
			7341-Medical And Surgical Supp			22	43			
			7344-Insecticide And Pesticide			35	11	78	0	100
			7354-Chlorine					163	0	150
			7361-Mechanical And Plant Supp	1,280		283	241	1,830	0	2,000
			7363-Engineering & Scientific	831						
			7364-Wearing Apparel	(47)	4,793	284	(244)			
			7371-Cleaning Supplies			128		25	0	100
			7372-Household And Lavatory Su			113		120	0	100
			7379-Sundry Supplies - Noc	4						
			7381-Household And Office Furn			343				
			7385-Automotive Equipment Part			2				
			7392-Electrical Machinery Part	10,190						
			7394-Filter Media					19	0	
			7398-Building Equipment Parts				4,665			
			7399-Parts & Fittings - Noc							
	74			770,745	734,560	13,223	2,980	5,484	3,500	6,770

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7399-Parts & Fittings - Noc		9,800					
			7415-Office Machinery Rent	20,000	5,686			2,040	0	
			7425-Workers' Compensation Ins	16,987	13,466					
			7431 PENSION AND RETIREMENT CONTRIBUTION (prior to 2012)	1,122,560	1,081,134					
			7434-Tuition Reimbursement	(389,744)	(377,019)	9,969	1,615		2,000	2,042
			7452-Subscriptions & Membershi	2,029	893	3,254	1,365	3,441	1,500	4,728
			7455-Judgments - Property-Clai		600					
			7457-Taxes	(1,087)						
			7459-Sundry Fixed Charges - No					3	0	
421-	MSD Proj Delv			3,939,877	4,995,895	4,252,558	4,067,109	5,620,758	2,724,330	5,916,534
	Personnel			2,787,740	3,193,470	3,709,641	3,515,214	5,193,466	2,202,090	5,169,044
		71		2,787,740	3,193,470	2,255,162	2,456,168	3,840,748	1,498,020	4,172,189
			7111-Regular Hours	2,270,612	2,591,149	1,796,900	2,041,318	2,072,220	1,348,662	4,112,580
			7112-Sick Pay	122,539	125,172	151,212	136,613	139,380	0	
			7113-Vacation Pay	354,639	355,249	398,632	388,500	383,963	0	
			7114-Compensatory Time Used	10,342	18,310	30,179	29,463	21,172	0	
			7115-Donated Time	8,393	5,249		4,881			
			7117-Injury With Pay-Nonunifor						0	
			7118-Personal With Pay			109	0	1,243	0	
			7121-Overtime	19,502	20,765	17,192	15,420	51,859	33,715	51,859
			7131-Shift Differential	5		0	16	0	0	
			7151-Birthday Holiday	13,519	16,560	17,989	16,186	15,544	0	
			7153-Holiday	162,162	192,194	196,969	193,211	185,821	0	
			7155-Jury Duty	1,093	403	2,355	994	1,662	0	
			7156-Military Duty				0			
			7157-Training	59,049	84,532	68,353	53,316	80,607	0	
			7158-Union Time	54,275	28,388	608	6,526	2,599	0	
			7161-Longevity		19,188	8,658	8,613	7,750	10,550	7,750
			7171-Lump Sum Payment	23,667	98,108	72,636	25,354	57,688	31,531	
			7175-Light Duty Assignment				4,030			
			7182-Deferred Comp Match	18,840	21,721	19,000	20,410	22,260	25,100	
			7191-Gross Pay Adjustment	(3,444)	(7,705)	(5,960)	(7,911)	(5,045)	0	
			7192-Sick Pay Buyback	35,392	41,682	42,725	36,767	36,841	44,660	
			7197-Reimbursement			(586,064)	(528,487)	672,720	3,802	
			7198-Retroactive Pay	10,584	16,347	23,671	10,949	92,466	0	
			7199-Personal Services-Noc	(373,429)	(433,842)					
		75				1,454,479	1,059,046	1,352,718	704,070	996,855
			7521-City Pension			889,067	922,151	789,542	265,494	403,848
			7522-State Pension			102,298	70,106	71,709	71,226	25,390
			7532-Employee Hospitalization			1,102,910	1,173,827	967,334	121,864	463,044
			7536-Medicare Tax			86,464	74,174	72,985	83,398	34,021

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7537-AFSCME Dental/Vision			23,396	22,504	22,106	55,620	17,231
			7538-Management Dental/Vision			52,634	51,509	24,082	0	16,194
			7539-Management Life Insurance			6,584	6,416	5,338	6,468	2,234
			7541-Workers Comp			57,482	37,421	20,654	0	31,572
			7548-Reimbursement			(870,608)	(1,300,596)	(623,912)	100,000	
			7549-Fringes			4,253	1,535	2,879	0	3,321
	Non-Personnel			1,152,137	1,802,425	542,917	551,895	427,292	522,240	747,490
	72			223,679	435,382	293,771	316,090	159,387	302,460	405,770
			7211-Postage		611	602	600	10	596	606
			7212-Telephone	22,816	33,078	34,220	34,586	8,978	34,586	37,486
			7213-Travel Expense Local	35,846	21,935	21,086	15,133	6,203	15,130	20,764
			7214-Travel Expense Non-Local	4,278	9,563	4,276	4,999	3,674	13,100	61,351
			7215-Training	23,033	8,679	4,033	7,288	881	45,400	60,062
			7219-Communication & Travel-No	7,800	149					
			7232-Printing And Other Repro	4,561	910	237	1,437	1,536	1,437	2,914
			7234-Advertising Of Legal Noti	1,389						
			7241-Gas	12,672	7,822	4,524	4,896	4,894	4,869	4,962
			7246-Sewerage Service Charges		8,423	4,358	6,762	6,987	6,762	6,890
			7247-Water Meter Service		4,234	1,472	2,374	2,409	2,374	2,419
			7248-Power		71,338	75,057	70,531	68,159	71,283	72,637
			7249-Utility Service - Noc		60	103	155	159	155	358
			7252-Office Machines			699				
			7253-Technical Repairs			3,569			1,500	1,528
			7254-Automotive By Municipal G	1,194	9,940	8,749	19,782	7,474	21,830	24,245
			7263-Street Opening And Restor						0	
			7271-Building Cleaning			1,575				
			7279-Cleaning-Waste Removal -						0	
			7281-Legal Services		15,816				55,274	56,324
			7289-Expert Services-Noc	110,090	242,823	125,676	146,234	46,483	26,902	51,938
			7299-Sundry Contractual Servic			3,536	1,314	1,540	1,262	1,286
	73			77,756	101,480	115,464	91,301	81,014	65,800	101,970
			7311-Office Supplies	59,061	57,666	69,715	48,455	41,824	22,688	48,592
			7312-Drafting Supplies	21		48			7	3
			7313-Photographic Supplies		0	1,210				
			7314-Books	288	132				0	
			7319-Office Drafting - Noc	1,028	64			42	0	100
			7332-Lumber And Wood Products		756	706		773	1,300	1,325
			7333-Masonry And Road Material					297	0	300
			7335-Paints, Oils & Glass			797			1,300	1,325
			7336-Fiber And Textile Product	236						
			7338-Petroleum Products	9,456	38,677	34,362	33,428	30,443	32,664	41,786

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7341-Medical And Surgical Supp			12				
			7354-Chlorine		42					
			7361-Mechanical And Plant Supp	151		225	290		224	228
			7362-Tools And Testing Instrum	1,404	4,143	135	740	991	740	754
			7363-Engineering & Scientific			1,821	55		1,000	1,019
			7364-Wearing Apparel	5,533		5,176	4,427	3,914	1,000	1,219
			7369-Tecnical Supplies & Tools	308	(0)	21	707	155	707	720
			7371-Cleaning Supplies			77				
			7372-Household And Lavatory Su			28	42		42	43
			7379-Sundry Supplies - Noc	182		86	970	136	1,940	2,127
			7381-Household And Office Furn			1,000	1,990	1,333	1,990	2,028
			7383-Technical Equipment Parts					950	0	
			7385-Automotive Equipment Part			24				
			7391-Plumbing Machinery Parts				120		120	122
			7394-Filter Media			20		155	0	200
			7398-Building Equipment Parts	90			78		78	79
	74			850,701	1,265,563	133,683	144,504	186,891	153,980	239,750
			7413-MacHinery & Equip W/O Ope		106		115		120	120
			7415-Office MacHinery Rent	47,913	106,642	97,710	102,060	84,087	102,060	104,000
			7419-Rent - Noc		2,750	2,520	22,120	12,820	22,120	22,540
			7425-Workers' Compensation Ins		28,212					
			7429-Insurance - Noc	110						
			7431 PENSION AND RETIREMENT CONTRIBUTION (prior to 2012)	1,379,786	1,828,823					
			7434-Tuition Reimbursement	(577,701)	(725,687)	10,145	10,454	1,946	10,454	13,153
			7451-Refunds, Awards, Indemnity					68,140	0	75,000
			7452-Subscriptions & Membershi	1,629	15,394	14,351	17,013	15,583	19,226	20,437
			7455-Judgments - Property-Clai					2,500	0	2,500
			7457-Taxes	(1,035)	9,323	8,957	(7,257)	1,816	0	2,000
430- MSD WW Adm				10,533,728	10,122,029	8,798,641	8,271,372	8,879,740	9,227,011	10,331,034
	Personnel			2,510,360	2,461,264	3,103,915	3,117,135	2,928,778	3,003,071	3,901,690
	71			2,510,360	2,461,264	2,134,558	2,176,916	2,159,500	2,288,034	2,922,612
			7111-Regular Hours	2,020,639	1,859,250	1,733,426	1,703,444	1,634,383	2,137,377	2,915,394
			7112-Sick Pay	70,316	112,885	73,242	78,000	70,453	0	
			7113-Vacation Pay	183,525	186,490	182,965	188,026	176,647	0	
			7114-Compensatory Time Used	3,268	4,308	2,351	7,568	14,400	0	
			7115-Donated Time	306	20,116	19,371	14,338	15,845	0	
			7118-Personal With Pay	964	395			839	0	
			7119-Disaster Regular Hours		1,206					
			7121-Overtime	2,182	5,611	3,662	2,277	5,918	1,240	5,918
			7131-Shift Differential			6				
			7142-Emergency Medical Tech						2,448	

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7151-Birthday Holiday	5,916	6,986	6,959	6,019	5,719	0	
			7153-Holiday	90,176	86,768	87,630	83,292	79,882	0	
			7155-Jury Duty		1,456	5,340	1,324		0	
			7157-Training	27,848	23,046	22,862	25,512	35,194	0	
			7158-Union Time	352	179	394	679	1,470	0	
			7161-Longevity		3,358	1,313	1,250	1,300	3,400	1,300
			7171-Lump Sum Payment	64,363	108,996		68,203	77,890	68,459	
			7175-Light Duty Assignment			3,478				
			7182-Deferred Comp Match	15,040	14,000	15,830	15,000	14,520	16,300	
			7191-Gross Pay Adjustment	(1,506)	(285)	(2,983)	1,222	774	0	
			7192-Sick Pay Buyback	20,533	16,566	15,212	16,070	19,320	21,500	
			7194-Legal Liability	3,278						
			7197-Reimbursement			(44,989)	(44,715)	(32,404)	37,310	
			7198-Retroactive Pay	3,380	10,106	8,490	7,247	33,504	0	
			7199-Personal Services-Noc	(221)	(172)		2,161	3,847	0	
		75				969,356	940,219	769,277	715,037	979,078
			7521-City Pension			465,202	480,115	423,896	279,352	410,024
			7522-State Pension			22,244	21,279	21,751	19,487	19,321
			7532-Employee Hospitalization			443,798	446,758	359,037	339,841	470,151
			7536-Medicare Tax			26,569	25,952	26,567	37,089	25,891
			7537-AFSCME Dental/Vision			5,291	4,845	4,050	14,310	13,113
			7538-Management Dental/Vision			26,913	25,112	11,881	0	12,324
			7539-Management Life Insurance			3,932	3,932	3,135	4,466	1,700
			7541-Workers Comp			44,303	35,678	17,325	0	24,028
			7548-Reimbursement			(72,173)	(104,905)	(101,136)	20,492	
			7549-Fringes			3,278	1,453	2,771	0	2,526
		Non-Personnel		8,023,368	7,660,765	5,694,726	5,154,237	5,950,963	6,223,940	6,429,344
		72		7,026,459	6,663,350	5,604,200	5,052,585	5,853,245	5,919,750	6,337,863
			7211-Postage	26,326	12,503	22,178	15,141	15,275	13,997	17,302
			7212-Telephone	16,245	13,995	16,448	25,819	23,642	24,323	29,327
			7213-Travel Expense Local	241	215	1,004	658	3,797	1,078	1,349
			7214-Travel Expense Non-Local	2,898	14,093	10,260	15,380	9,869	20,883	26,308
			7215-Training	68,719	46,699	26,516	19,310	46,977	24,015	29,671
			7232-Printing And Other Repro	4,176	3,860	3,129	3,680	8,918	9,396	10,583
			7234-Advertising Of Legal Noti	2,250	1,884	4,446			3,023	6,086
			7252-Office Machines			863				
			7253-Technical Repairs	2,130						
			7254-Automotive By Municipal G	1,414	1,646	2,478	4,171	3,341	2,656	2,712
			7259-Equipment Repair - Noc				2,130	125	2,130	2,175
			7271-Building Cleaning	39,269	31,068	44,950	41,329	46,932	41,329	42,197
			7272-Laundry And Dry Cleaning					59	0	

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7274-Motor Vehicle Cleaning	170						
			7279-Cleaning-Waste Removal -			575			0	
			7285-Medical Services	9,302	9,056	3,260	3,305	3,430	13,305	13,584
			7286-Security Guard Services							34,000
			7289-Expert Services-Noc	590,450	140,282	129,486	36,073	915,220	95,615	1,081,520
			7291-Tests - Miscellaneous						0	
			7293-Collection Of Sewerage Bi	6,109,602	6,247,752	5,205,846	4,877,729	4,772,031	5,627,789	5,000,000
			7295-Overhead Charge	149,079	131,786	123,610				
			7298-Collection Agency Fees	324	81	28	24	22	48	49
			7299-Sundry Contractual Servic	3,865	8,432	9,122	7,835	3,605	40,163	41,000
		73		79,029	71,587	69,772	76,671	69,960	78,320	50,041
			7234-Advertising Of Legal Noti					0		
			7311-Office Supplies	35,937	24,850	19,192	32,136	26,321	31,939	38,110
			7313-Photographic Supplies		22					
			7314-Books	537	322	412		189	0	
			7315-Minor Office Equipment <\$			1,500	1,530		2,530	2,581
			7335-Paints, Oils & Glass		41	94				
			7337-Coal, Coke, Industrial Ga	612	612	648	648	829	648	662
			7338-Petroleum Products	2,110	2,500	2,845	3,747	2,886	2,627	2,682
			7341-Medical And Surgical Supp		150	287	35		70	72
			7361-Mechanical And Plant Supp	872	1,829	723	372	395	653	666
			7362-Tools And Testing Instrum			9				0
			7364-Wearing Apparel	35,808	34,121	35,405	34,682	30,405	33,349	0
			7366-Training Aids	843	210					
			7369-Tecnical Supplies & Tools	1,497	5,308	3,446	1,876	8,935	1,876	1,915
			7371-Cleaning Supplies			1,029	210		420	428
			7372-Household And Lavatory Su			4,100	1,434		2,868	2,925
			7379-Sundry Supplies - Noc	814	1,621	81				0
			7383-Technical Equipment Parts						1,340	0
		74		917,879	925,829	20,754	24,981	27,757	225,870	41,440
			7415-Office Machinery Rent	10,875	10,523	14,001	19,763	23,919	17,503	20,378
			7419-Rent - Noc	2,489		1,600		208	0	
			7425-Workers' Compensation Ins	8,336	25,405				0	
			7429-Insurance - Noc						200,000	0
			7431 PENSION AND RETIREMENT CONTRIBUTION (prior to 2012)	754,740	820,126					
			7434-Tuition Reimbursement	65,641	64,399	2,571			3,000	13,086
			7451-Refunds, Awards, Indemnit						0	
			7452-Subscriptions & Membershi	35,798	5,376	2,582	5,217	3,625	5,367	7,976
			7457-Taxes	40,000						
			7459-Sundry Fixed Charges - No					5	0	

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
431- MSD Info Tec				5,868,739	6,000,312	5,854,724	6,251,038	5,201,666	5,376,170	6,541,100
	Personnel			2,010,335	1,883,193	2,890,403	2,819,662	2,258,655	2,038,190	2,651,750
		71		2,010,335	1,883,193	2,000,647	1,910,314	1,591,473	1,561,650	1,910,992
			7110		(61)					
			7111-Regular Hours	1,703,876	1,552,718	1,649,182	1,578,266	1,304,838	1,533,220	1,910,426
			7112-Sick Pay	38,662	48,269	65,462	57,885	43,671	0	
			7113-Vacation Pay	122,793	132,801	133,339	120,520	119,165	0	
			7114-Compensatory Time Used	1,664	2,344	897	2,929	442	0	
			7115-Donated Time	2,923		5,616				
			7118-Personal With Pay	284	0		0			
			7121-Overtime	231		593	2,675	566	0	566
			7129-Disaster Overtime	78						
			7151-Birthday Holiday	6,023	6,248	5,883	6,164	4,552	0	
			7153-Holiday	74,383	72,483	74,669	70,069	61,359	0	
			7155-Jury Duty			833	979	589	0	
			7157-Training	22,598	28,794	14,929	18,826	18,608	0	
			7171-Lump Sum Payment	391	9,831		23,955	4,651	0	
			7182-Deferred Comp Match	10,000	10,500	9,000	8,445	8,200	10,400	
			7191-Gross Pay Adjustment	(1,276)	(3,787)	(5,563)	(696)	(50)	0	
			7192-Sick Pay Buyback	13,899	15,577	17,503	15,661	15,971	18,030	
			7197-Reimbursement			(87)	(8,193)	(48,107)	0	
			7198-Retroactive Pay	13,807	7,477	28,391	12,829	56,287	0	
			7199-Personal Services-Noc					731	0	
		75				889,756	909,348	667,182	476,540	740,758
			7521-City Pension			418,423	425,994	353,199	240,214	311,303
			7522-State Pension							14,167
			7532-Employee Hospitalization			373,810	390,526	281,897	207,847	356,940
			7536-Medicare Tax			29,474	27,333	23,707	25,105	18,983
			7537-AFSCME Dental/Vision							9,614
			7538-Management Dental/Vision			28,279	27,251	11,595	0	9,035
			7539-Management Life Insurance			3,554	3,292	2,395	3,374	1,247
			7541-Workers Comp			33,897	33,121	14,636	0	17,616
			7548-Reimbursement			(190)	(3,622)	(22,791)	0	
			7549-Fringes			2,508	5,453	2,544	0	1,853
	Non-Personnel			3,858,404	4,117,119	2,964,321	3,431,376	2,943,011	3,337,980	3,889,350
		72		1,005,194	1,033,144	614,179	606,265	384,894	880,250	932,950
			7212-Telephone	32,411	31,252	38,223	46,099	34,234	89,417	91,113
			7213-Travel Expense Local	3,716	2,196	1,091	941	538	2,500	2,548
			7214-Travel Expense Non-Local	2,830	5,720	5,039	1,626	6,795	13,200	13,451
			7215-Training	60,006	57,003	20,104	24,851	6,395	76,800	78,259
			7232-Printing And Other Repro					106	0	

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7254-Automotive By Municipal G	318	1,335	862	472	545	573	584
			7258-Building Repairs- Equipme		1,878	3,534	0			
			7259-Equipment Repair - Noc	320					2,000	2,038
			7281-Legal Services			6,000	2,130			
			7287-Data Processing By ETS	171,800	128,246	138,837	159,570	70,168	183,000	186,477
			7289-Expert Services-Noc	733,792	804,952	400,490	370,576	266,113	512,760	558,480
			7299-Sundry Contractual Servic		564					
	73			252,906	256,498	182,617	416,944	218,642	183,600	187,090
			7311-Office Supplies	11,512	10,561	7,034	7,661	6,134	5,998	6,113
			7314-Books	633	1,233	54			500	510
			7315-Minor Office Equipment <\$	168	65	1,496		1,702	500	510
			7316-Computer Peripherals < \$5	79,525	60,400	74,929	285,317	944	75,000	76,425
			7338-Petroleum Products	259	1,623	1,960	1,422	1,888	1,422	1,449
			7341-Medical And Surgical Supp			16				
			7361-Mechanical And Plant Supp			55				
			7362-Tools And Testing Instrum		1,713		168			
			7366-Training Aids	4,415		(8,495)				
			7367-Data Processing Software	154,137	180,881	105,560	122,376	207,974	100,180	102,083
			7369-Tecnical Supplies & Tools						0	
			7372-Household And Lavatory Su			7				
			7379-Sundry Supplies - Noc	2,257						
			7384-Communication Equipment P		22					
	74			2,600,303	2,827,477	2,167,525	2,408,167	2,339,475	2,274,130	2,769,310
			7415-Office Machinery Rent	3,052	2,956	2,962	3,070		2,000	2,043
			7417-Data Comm Equipment Rent					14,223	0	
			7418-Software & License Fees	883,647	966,971	1,123,899	1,360,487	1,264,952	1,189,270	1,663,833
			7425-Workers' Compensation Ins	7,838	20,345					
			7431 PENSION AND RETIREMENT CONTRIBUTION (prior to 2012)	655,156	669,740					
			7434-Tuition Reimbursement	60,708	64,327	12,906	16,917	5,490	12,100	12,330
			7452-Subscriptions & Membershi	989,901	1,103,137	1,027,759	1,027,694	1,054,811	1,070,760	1,091,104
441- MSD Superindt				1,261,563	1,293,114	1,089,307	1,090,344	1,236,393	858,895	1,834,240
		Personnel		623,608	678,721	1,004,923	923,717	925,227	694,242	676,720
	71			623,608	678,721	699,100	631,169	693,066	540,792	521,490
			7111-Regular Hours	486,017	555,632	550,858	494,471	537,080	530,192	521,490
			7112-Sick Pay	9,170	14,036	22,133	24,669	9,508	0	
			7113-Vacation Pay	42,431	46,248	52,538	48,916	57,306	0	
			7114-Compensatory Time Used	4,433	3,571	3,604	3,598	982	0	
			7118-Personal With Pay		2,399					
			7119-Disaster Regular Hours				13,799	2,463	0	
			7121-Overtime		479		4,495			

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7151-Birthday Holiday	1,141	866	1,163	691	464	0	
			7153-Holiday	21,497	25,467	27,964	26,330	24,861	0	
			7155-Jury Duty				3,823	1,015	0	
			7157-Training	15,902	23,256	15,494	9,762	15,071	0	
			7171-Lump Sum Payment	35,483		28,788		38,590	0	
			7182-Deferred Comp Match	3,500	3,325	4,000	4,175	4,300	3,700	
			7191-Gross Pay Adjustment	593	77	(1,365)	2,259			
			7192-Sick Pay Buyback	2,364	1,746	6,628	4,747	7,517	6,900	
			7194-Legal Liability		593	1,357				
			7197-Reimbursement			(14,703)	(14,861)	(18,392)	0	
			7198-Retroactive Pay	1,077	1,026	640	4,296	12,303	0	
		75				305,824	292,548	232,161	153,450	155,230
			7521-City Pension			125,443	127,111	117,363	49,883	64,305
			7522-State Pension			24,178	22,910	15,524	15,315	3,358
			7532-Employee Hospitalization			146,697	147,175	99,440	78,941	73,738
			7536-Medicare Tax			10,154	8,879	8,300	8,221	4,499
			7537-AFSCME Dental/Vision							2,279
			7538-Management Dental/Vision			11,121	10,251	4,185	0	2,142
			7539-Management Life Insurance			1,234	1,124	880	1,090	295
			7541-Workers Comp			12,217	11,426	5,415	0	4,175
			7548-Reimbursement			(26,123)	(36,803)	(19,812)	0	
			7549-Fringes			904	476	866	0	439
		Non-Personnel		637,955	614,393	84,384	166,627	311,166	164,653	1,157,520
		72		407,930	314,966	66,326	141,696	287,775	132,760	1,136,140
			7211-Postage	1,136	1,135	300	894		604	615
			7212-Telephone	8,747	10,324	14,102	27,297	30,338	27,000	30,513
			7213-Travel Expense Local	1,585	141	915	1,244	373	500	710
			7214-Travel Expense Non-Local	8,975	9,792	10,117	8,967	12,831	8,000	9,652
			7215-Training	6,932	7,992	4,840	11,478	7,749	14,000	58,266
			7232-Printing And Other Repro					53	1,100	
			7234-Advertising Of Legal Noti	7,082					7,000	
			7246-Sewerage Service Charges					66,957	0	
			7247-Water Meter Service					3,166	0	
			7248-Power					27,346	0	
			7254-Automotive By Municipal G	1,894	6,483	1,291	26,951	6,821	2,556	
			7279-Cleaning-Waste Removal -				3,523			
			7281-Legal Services	1,351	5,594	10,624				
			7289-Expert Services-Noc	368,627	267,263	6,359	43,543	131,341	50,000	836,384
			7291-Tests - Miscellaneous				563			
			7297-Temporary Personnel Servi		4,642	16,977	15,325		20,000	200,000
			7299-Sundry Contractual Servic	1,600	1,600	800	1,914	800	2,000	

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
		73		10,490	10,048	11,381	11,504	10,247	11,910	12,510
			7311-Office Supplies	4,400	6,480	8,613	7,275	2,783	8,000	8,154
			7312-Drafting Supplies			1				
			7314-Books	1,521	2,169	849	314	89	1,300	1,023
			7319-Office Drafting - Noc			50		785	0	
			7338-Petroleum Products	1,247	1,067	977	3,809	1,214	1,085	1,823
			7341-Medical And Surgical Supp			100	35	43	0	
			7354-Chlorine				10			
			7361-Mechanical And Plant Supp			175	30			
			7362-Tools And Testing Instrum			30				
			7364-Wearing Apparel	(1,368)	332	204		5,039	525	1,510
			7366-Training Aids						1,000	
			7367-Data Processing Software	465						
			7369-Tecnical Supplies & Tools					162	0	
			7371-Cleaning Supplies			76				
			7372-Household And Lavatory Su			307	31			
			7379-Sundry Supplies - Noc					52	0	
			7383-Technical Equipment Parts	4,120						
			7398-Building Equipment Parts					80	0	
			7399-Parts & Fittings - Noc	106						
		74		219,535	289,379	6,677	13,426	13,145	19,983	8,870
			7413-MacHinery & Equip W/O Ope			100	630			
			7415-Office MacHinery Rent	5,000	5,000	6,000	3,659	6,000	8,983	5,361
			7419-Rent - Noc				6,000	6,000	6,000	1,614
			7421-Building & Structure Insu	23,433	23,388					
			7425-Workers' Compensation Ins	2,506	6,311					
			7431 PENSION AND RETIREMENT CONTRIBUTION (prior to 2012)	170,800	233,845					
			7434-Tuition Reimbursement	16,242	18,620		1,890		3,000	557
			7452-Subscriptions & Membershi	1,554	2,215	577	1,247	1,145	2,000	1,338
442- MSD Millcreek				21,983,580	20,244,318	18,484,538	20,397,003	19,240,320	19,596,423	21,113,301
	Personnel			4,173,877	4,516,062	6,377,586	6,737,948	6,444,328	6,492,110	6,387,831
		71		4,173,877	4,516,062	4,345,265	4,573,308	4,532,483	4,730,440	4,664,103
			7111-Regular Hours	2,729,628	2,890,149	2,913,403	3,109,592	2,911,869	4,470,664	3,908,049
			7112-Sick Pay	97,255	106,943	112,002	118,845	130,656	0	
			7113-Vacation Pay	220,329	223,762	239,288	242,824	271,675	0	
			7114-Compensatory Time Used	77,437	92,267	85,535	91,716	85,384	0	
			7117-Injury With Pay-Nonunifor	11,352	8,912	2,394				
			7118-Personal With Pay					153	0	
			7121-Overtime	680,243	804,763	665,329	719,329	745,254	140,000	745,254
			7131-Shift Differential	17,949	18,595	17,899	17,519	16,036	19,570	

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7151-Birthday Holiday	13,577	13,883	13,087	13,755	13,210	0	
			7153-Holiday	110,647	116,696	122,015	122,289	126,842	0	
			7155-Jury Duty	5,047	2,804	3,760	1,708	2,205	0	
			7157-Training	89,070	97,443	106,697	50,340	53,620	0	
			7158-Union Time	9,631	151	568		711	0	
			7161-Longevity	379	23,621	10,250	11,029	10,800	9,650	10,800
			7171-Lump Sum Payment	81,557	74,234	12,422	25,172	45,620	66,746	
			7175-Light Duty Assignment	5,995	12,257	151	9,711	38,052	0	
			7182-Deferred Comp Match	5,390	6,290	5,405	4,500	5,720	6,300	
			7191-Gross Pay Adjustment	2,119	9,992	12,169	10,979	5,267	0	
			7192-Sick Pay Buyback	14,857	11,610	16,591	17,575	14,739	17,510	
			7197-Reimbursement			(2,407)	(1,291)	(10,000)	0	
			7198-Retroactive Pay	529	1,692	8,708	7,717	64,670	0	
			7199-Personal Services-Noc	884						
		75				2,032,320	2,164,639	1,911,845	1,761,670	1,723,728
			7521-City Pension			801,309	866,360	801,443	673,264	712,748
			7522-State Pension			17,628	15,685	17,354	20,709	37,849
			7532-Employee Hospitalization			1,006,983	1,084,371	959,728	920,324	817,244
			7536-Medicare Tax			55,252	54,957	57,038	58,400	50,716
			7537-AFSCME Dental/Vision			45,900	48,514	50,876	87,255	25,686
			7538-Management Dental/Vision			11,967	10,648	4,945	0	24,140
			7539-Management Life Insurance			1,643	1,496	1,231	1,718	3,330
			7541-Workers Comp			81,289	73,865	38,151	0	47,065
			7548-Reimbursement			(3,445)	(3,414)	(24,756)	0	0
			7549-Fringes			13,793	12,157	5,834	0	4,950
		Non-Personnel		17,809,704	15,728,256	12,106,953	13,659,055	12,795,991	13,104,313	14,725,470
		72		10,917,677	8,791,921	7,581,491	8,685,031	8,504,200	8,036,440	8,708,500
			7211-Postage		466	432	432	64	498	298
			7212-Telephone	62,031	58,664	59,471	54,924	48,031	60,000	55,500
			7213-Travel Expense Local	88	755	1,039	1,753	266	0	
			7214-Travel Expense Non-Local	1,587	179	3,367	26,108	11,891	26,000	10,000
			7215-Training	53,941	24,555	17,377	22,503	8,779	25,000	12,380
			7219-Communication & Travel-No						4,000	
			7232-Printing And Other Repro	8,368	3,718	6,106	3,481	3,136	0	
			7241-Gas	1,125,421	568,734	818,309	692,229	941,281	665,040	891,250
			7246-Sewerage Service Charges	809,373	819,470	726,276	556,213	400,669	471,675	530,000
			7247-Water Meter Service	297,446	289,263	266,960	205,743	148,162	170,940	211,000
			7248-Power	4,165,121	4,093,547	3,797,459	3,947,781	4,490,684	3,708,000	3,974,100
			7249-Utility Service - Noc	20,576	37,321	33,208	19,952	29,166	23,000	30,570
			7252-Office Machines			1,001	394		500	
			7253-Technical Repairs	7,293	9,434	5,667	411	22,335	47,600	38,980

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7254-Automotive By Municipal G	164,476	159,247	154,126	143,134	192,167	142,857	162,850
			7255-Automotive By Others		3,941					
			7256-Electrical Machinery	23,911	32,967	14,491	46,526	2,866	40,000	40,760
			7257-Pumping Machinery	413,230	133,778	253,522	343,168	114,382	340,000	305,700
			7258-Building Repairs- Equipme	620,601	450,111	266,375	287,562	331,705	102,000	397,900
			7259-Equipment Repair - Noc	246,191	287,686	81,853	428,662	65,524	200,000	251,900
			7261-Building	783	4,267	11,263		2,800	20,000	5,000
			7262-Streets	749					5,000	
			7269-Building-Structure Repair			123			0	
			7271-Building Cleaning	229,574	141,952	161,737		8,708	0	
			7273-Disinfecting-Exterminatin	36,404	66,559	10,764	8,345		24,000	30,658
			7274-Motor Vehicle Cleaning	425				36	0	
			7279-Cleaning-Waste Removal -	7,846	14,432	6,677	7,679	18,286	14,000	11,190
			7281-Legal Services				37,663			
			7282-Real Estate Services	2,700						
			7286-Security Guard Services	287,000	391,746	278,090	338,166	335,655	375,000	349,250
			7289-Expert Services-Noc	1,156,521	607,461	303,776	1,275,536	808,932	563,130	786,500
			7291-Tests - Miscellaneous	5,000	5,111			9,749	4,200	4,000
			7296-Equipment With				280			
			7297-Temporary Personnel Servi	129,959	120,920	41,110		29,689	20,000	32,660
			7299-Sundry Contractual Servic	1,041,061	465,638	260,914	236,387	479,238	984,000	576,054
	73			5,439,424	5,135,139	4,489,095	4,939,323	4,257,629	5,035,770	5,912,790
			7311-Office Supplies	75,412	74,850	41,011	36,163	3,825	39,998	34,352
			7312-Drafting Supplies			(24)				
			7313-Photographic Supplies				66		100	
			7314-Books	5,105	1,337	884	2,804	115	6,270	1,319
			7315-Minor Office Equipment <\$		81			378	0	
			7316-Computer Peripherals < \$5			698				
			7319-Office Drafting - Noc	531	629	(127)		(182)	0	
			7331-Lubricants	22,940	27,716	33,576	4,199	(976)	41,000	22,380
			7332-Lumber And Wood Products	136	362	231		1,406	1,500	500
			7333-Masonry And Road Material	5,938	4,350	103	5,000	1,600	5,000	2,838
			7334-Structural Metals	1,816	4,827	9,870	1,107		5,000	5,038
			7335-Paints, Oils & Glass	14,409	13,512	11,316	10,482	8,644	12,000	10,190
			7337-Coal, Coke, Industrial Ga	1,855	6,020	779	533	19,973	64,500	64,094
			7338-Petroleum Products	48,219	75,472	75,198	65,306	63,038	67,262	81,520
			7339-Fuel Oil	618,859	837,265	2,445	125,865	159,131	150,000	132,850
			7341-Medical And Surgical Supp	5,066	734	286	(287)	(949)	4,000	510
			7342-Laboratory Supplies	41,684	42,066	23,169	68,487	15,033	50,000	30,665
			7344-Insecticide And Pesticide	2,164	636	(644)	(65)	(2,149)	1,000	5,000
			7352-Iron	170,205	65,280	59,291	34,253	87,551	90,000	126,580
			7354-Chlorine			(91)	(187)		381,000	387,220

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7357-Ice Control	6,109	22,552	6,229	10,300	36,072	40,000	15,079
			7358-Activated Carbon						16,000	16,285
			7359-Chemicals - Noc	2,427,531	1,938,435	2,910,469	2,758,077	2,516,922	2,725,140	3,255,100
			7361-Mechanical And Plant Supp	576,677	456,769	459,422	818,912	1,242,535	170,000	711,400
			7362-Tools And Testing Instrum	37,926	32,804	60,255	29,082	3,913	133,000	30,570
			7363-Engineering & Scientific	7,756	600		6,526			
			7364-Wearing Apparel	62,080	70,158	36,391	32,279	(3,689)	40,000	40,760
			7366-Training Aids					348	0	
			7367-Data Processing Software				225	231	0	
			7369-Tecnical Supplies & Tools	7,423	2,035	9,877	17,416	11,763	10,000	10,190
			7371-Cleaning Supplies	13,158	13,697	13,566	18,803	(11,946)	20,000	15,190
			7372-Household And Lavatory Su	22,336	32,509	18,412	12,776	(11,704)	15,000	11,190
			7373-Horticulture Supplies	13,948	8,367	11,046	14,053	9,691	12,000	12,095
			7376-Traffic Control Supply		357					
			7377-Fencing And Fence Posts		1,744	7,121			3,000	3,000
			7379-Sundry Supplies - Noc	31,330	467	13,549	(51)	3,317	2,000	3,019
			7381-Household And Office Furn	47		7,589	3,971	330	8,000	6,019
			7382-Office Machine Parts					(300)	0	
			7383-Technical Equipment Parts	281,498	226,362	59,885	62,370	15,484	60,000	35,665
			7384-Communication Equipment P						0	
			7385-Automotive Equipment Part	6,426	3,809	300	2,074	2,898	2,000	1,019
			7386-Pipes Valves & Fittings >	1,594	2,600	6,012	1,828	(52)	10,000	3,338
			7387-Pipes Valves & Fittings <	12,372	6,551	47,822	1,189	4,219	30,000	20,095
			7391-Plumbing Machinery Parts	743,617	809,023	411,751	625,582	12,741	600,000	656,460
			7392-Electrical Machinery Part	127,323	258,841	121,968	109,113	25,179	160,000	101,710
			7393-Water Purificat				8,246			
			7394-Filter Media	15,763	12,611	8,403	11,262	(1,088)	10,000	10,190
			7398-Building Equipment Parts	29,726	65,390	16,484	34,532	39,504	44,000	40,760
			7399-Parts & Fittings - Noc	447	14,322	4,571	7,029	4,823	7,000	8,600
		74		1,452,602	1,801,196	36,367	34,700	34,163	32,103	104,180
			7413-MacHinery & Equip W/O Ope	612	4,063	1,312	2,526	6,831	18,900	4,351
			7415-Office MacHinery Rent	4,141	5,371	5,739	5,978	6,000	6,203	11,496
			7418-Software & License Fees					2,630	0	
			7419-Rent - Noc	16,184	36,335	23,483	24,308	17,092	0	
			7425-Workers' Compensation Ins	18,202	42,240					
			7431 PENSION AND RETIREMENT CONTRIBUTION (prior to 2012)	1,299,812	1,589,780					
			7434-Tuition Reimbursement	108,567	120,740	3,009			3,000	1,057
			7452-Subscriptions & Membershi	1,138	1,444	1,626	691	285	2,000	1,038
			7457-Taxes	3,946	1,223	1,197	1,197	1,325	2,000	1,238
			7459-Sundry Fixed Charges - No						0	85,000
443- MSD Little Miam				7,200,658	6,286,756	6,261,979	5,866,321	5,947,289	5,819,392	7,218,280

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
	Personnel			1,637,609	1,726,857	2,523,447	2,571,861	2,350,674	2,460,830	2,498,210
		71		1,637,609	1,726,857	1,733,426	1,715,802	1,654,916	1,816,830	1,818,710
			7111-Regular Hours	1,119,287	1,128,716	1,130,913	1,175,462	1,067,286	1,748,350	1,615,156
			7112-Sick Pay	31,136	37,632	46,095	59,718	91,778	0	
			7113-Vacation Pay	94,202	84,769	103,012	100,511	91,908	0	
			7114-Compensatory Time Used	22,177	25,223	18,534	32,782	17,138	0	
			7115-Donated Time						0	
			7117-Injury With Pay-Nonunifor	2,996	18,572	2,167	459			
			7119-Disaster Regular Hours				3,078			
			7121-Overtime	258,772	308,217	297,757	238,953	199,454	50,000	199,454
			7131-Shift Differential	6,824	7,050	7,115	6,737	6,616	6,300	
			7141-Special Assignments				1			
			7151-Birthday Holiday	5,530	4,878	5,620	5,476	5,223	0	
			7153-Holiday	43,430	44,095	46,136	46,996	43,772	0	
			7155-Jury Duty		1,040			1,094	0	
			7156-Military Duty	1,898	2,653	(3,143)				
			7157-Training	19,957	28,666	42,473	16,434	14,417	0	
			7158-Union Time	50				767	0	
			7161-Longevity	292	10,300	5,675	4,650	4,100	3,500	4,100
			7171-Lump Sum Payment	21,467	10,787	13,433		67,333	0	
			7175-Light Duty Assignment	1,299			1,130	9,174	0	
			7182-Deferred Comp Match	2,500	2,325	2,500	2,500	2,900	2,900	
			7191-Gross Pay Adjustment	654	3,597	4,236	3,261	1,106	0	
			7192-Sick Pay Buyback	4,851	4,908	9,468	8,342	6,718	5,780	
			7197-Reimbursement			(1,503)	(2,244)	(34)	0	
			7198-Retroactive Pay	286	3,430	2,939	11,556	24,165	0	
		75				790,021	856,060	695,758	644,000	679,500
			7521-City Pension			306,931	327,834	275,554	245,403	281,497
			7522-State Pension			19,226	25,023	31,053	20,646	14,697
			7532-Employee Hospitalization			387,090	433,634	330,976	324,868	322,772
			7536-Medicare Tax			21,645	20,331	21,189	21,928	19,694
			7537-AFSCME Dental/Vision			18,169	18,233	16,928	30,465	9,974
			7538-Management Dental/Vision			5,439	5,440	2,720	0	9,374
			7539-Management Life Insurance			630	630	550	690	1,293
			7541-Workers Comp			31,083	29,266	14,089	0	18,277
			7548-Reimbursement			(2,492)	(5,511)	404	0	
			7549-Fringes			2,300	1,180	2,295	0	1,922
	Non-Personnel			5,563,049	4,559,899	3,738,532	3,294,460	3,596,615	3,358,562	4,720,070
		72		3,879,490	2,882,321	2,759,852	2,394,799	2,660,229	2,387,830	3,663,730
			7211-Postage	2,362	358	509	327			
			7212-Telephone	13,332	13,407	11,072	10,734	8,879	11,001	11,208

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7213-Travel Expense Local	106	284	58	68	128	0	
			7214-Travel Expense Non-Local	996		1,071	4,458	3,556	4,000	1,978
			7215-Training	16,273	19,260	6,750	10,893	1,595	5,600	11,095
			7219-Communication & Travel-No							
			7232-Printing And Other Repro		633			579	0	
			7241-Gas	385,992	316,257	404,067	325,172	399,137	194,810	307,600
			7246-Sewerage Service Charges	147,830	167,270	160,158	139,614	105,210	141,588	162,470
			7247-Water Meter Service	64,260	65,239	62,294	56,416	45,381	51,060	66,969
			7248-Power	1,853,292	1,477,840	1,758,579	1,341,740	1,377,602	1,344,600	1,647,800
			7252-Office Machines			393				
			7253-Technical Repairs	12,782	6,703	2,657			5,600	17,038
			7254-Automotive By Municipal G	15,213	11,795	15,180	8,293	7,787	9,296	10,190
			7256-Electrical MacHinery	8,478	7,452	2,656	18,112	3,336	18,500	10,304
			7257-Pumping MacHinery	89,331	10,613	19,365	38,352	24,697	45,000	40,760
			7258-Building Repairs- Equipme	238,811	79,853	56,665	70,999	45,909	75,000	56,950
			7259-Equipment Repair - Noc	368,026	28,755	53,039	44,280	10,497	50,000	50,950
			7261-Building	26,229	122,420	6,937			5,000	
			7262-Streets		5,856		500	670	5,000	
			7269-Building-Structure Repair	664		968	937			
			7271-Building Cleaning	25,183	15,955	22,992	17,780	19,385	30,000	30,570
			7273-Disinfecting-Exterminatin	26,115	20,428	2,430	1,417	427	5,000	2,038
			7279-Cleaning-Waste Removal -	1,273	1,273	1,193	2,924	1,472	3,500	87,800
			7281-Legal Services					3,802	0	
			7289-Expert Services-Noc	202,422	129,134	28,460	73,974	62,471	54,475	19,510
			7291-Tests - Miscellaneous	3,160			4,684	60	1,000	
			7299-Sundry Contractual Servic	377,361	381,534	142,358	223,125	537,650	327,800	1,128,500
		73		1,132,644	979,177	895,056	892,912	858,945	891,850	946,730
			7311-Office Supplies	2,420	3,203	8,561	2,968	1,094	3,500	3,545
			7314-Books		100					
			7331-Lubricants	19,942	2,819	10,759	2,610		5,000	8,038
			7332-Lumber And Wood Products	1,988	73					
			7333-Masonry And Road Material	4,934	19,803	4,609	23,513	28,840	25,000	16,000
			7334-Structural Metals	9,750	3,686	1,982	746		4,000	2,500
			7335-Paints, Oils & Glass	3,478	2,820	962	3,891	76	3,000	3,057
			7336-Fiber And Textile Product	15,033		15,228		11,272	15,228	12,228
			7337-Coal, Coke, Industrial Ga	11,799	5,392	8,587	1,684	9,122	4,000	8,076
			7338-Petroleum Products	5,843	8,266	7,841	8,339	9,106	8,432	9,986
			7339-Fuel Oil		17,765			119,494	22,500	10,380
			7341-Medical And Surgical Supp		100	49	64		1,000	255
			7342-Laboratory Supplies	27,496	20,129	22,483	29,188	5,423	20,000	20,228
			7344-Insecticide And Pesticide						1,000	
			7357-Ice Control	2,231	3,082				2,000	1,019

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7359-Chemicals - Noc	326,806	307,709	333,364	262,065	246,321	296,690	305,700
			7361-Mechanical And Plant Supp	69,684	185,271	143,777	276,327	183,261	200,000	203,800
			7362-Tools And Testing Instrum	34,115	50,859	46,594	6,626	36,391	10,000	35,000
			7363-Engineering & Scientific	21,929	2,043			8,086	0	
			7364-Wearing Apparel	9,609	3,505	19,712	1,519	6,314	10,000	10,000
			7366-Training Aids			5,020		1,575	0	
			7369-Tecnical Supplies & Tools	242	775	2,135	13,365	1,285	500	510
			7371-Cleaning Supplies		34	2,043	2,378	948	2,000	2,038
			7372-Household And Lavatory Su			2,795	2,413	341	2,000	2,038
			7373-Horticulture Supplies			1,615				
			7377-Fencing And Fence Posts			(687)	894	3,025	0	
			7379-Sundry Supplies - Noc			12				
			7381-Household And Office Furn			185			1,000	1,019
			7383-Technical Equipment Parts	27,839	54,085	27,999	34,640	14,043	30,000	30,570
			7386-Pipes Valves & Fittings >	26,033	2,498	4,227	23		7,000	2,038
			7387-Pipes Valves & Fittings <	20,052	13,105	10,777	4,908	9,957	17,000	10,000
			7391-Plumbing Machinery Parts	407,756	113,539	152,565	157,150	78,554	150,000	183,420
			7392-Electrical Machinery Part	60,434	72,740	53,747	41,239	67,387	35,000	50,000
			7393-Water Purificat		2,015					
			7394-Filter Media		21,744	20			1,000	
			7398-Building Equipment Parts	19,821	58,693	7,212	16,363	17,030	15,000	15,285
			7399-Parts & Fittings - Noc	3,411	3,321	883				
		74		550,915	698,401	83,624	6,749	77,441	78,882	109,610
			7413-MacHinery & Equip W/O Ope		3,855				1,500	
			7415-Office MacHinery Rent	5,356	5,676	5,900	4,000	4,000	3,882	4,000
			7419-Rent - Noc	722		70,000		70,000	73,500	75,610
			7425-Workers' Compensation Ins	7,596	16,573					
			7431 PENSION AND RETIREMENT CONTRIBUTION (prior to 2012)	490,710	610,358					
			7434-Tuition Reimbursement	42,385	57,265	4,032	870		0	
			7452-Subscriptions & Membershi	192	264	536	132	219	0	500
			7457-Taxes	3,953	4,411	3,156	1,747	3,222	0	3,500
			7459-Sundry Fixed Charges - No						0	26,000
444- MSD Muddy Crk				3,250,611	3,304,723	2,943,820	3,041,733	2,942,815	3,314,238	3,495,730
	Personnel			1,093,339	1,095,062	1,590,870	1,680,855	1,766,495	1,811,480	1,720,560
		71		1,093,339	1,095,062	1,049,951	1,079,668	1,205,322	1,356,340	1,222,640
			7111-Regular Hours	832,554	795,771	773,650	827,487	871,086	1,331,690	1,134,739
			7112-Sick Pay	22,045	19,285	23,327	29,897	35,828	0	
			7113-Vacation Pay	72,500	54,481	64,322	65,613	73,447	0	
			7114-Compensatory Time Used	6,685	7,720	8,305	12,769	17,591	0	
			7115-Donated Time	593		3,688				
			7117-Injury With Pay-Nonunifor		4,952		14,482	6,191	0	

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7121-Overtime	54,565	52,036	43,346	43,471	85,101	10,300	85,101
			7131-Shift Differential	3,662	3,820	4,418	4,373	3,337	4,100	
			7141-Special Assignments	264						
			7151-Birthday Holiday	3,547	3,915	3,688	3,804	3,718	0	
			7153-Holiday	33,287	32,873	32,688	32,981	35,976	0	
			7155-Jury Duty			2,614	119	180	0	
			7157-Training	9,752	21,616	17,631	11,654	19,091	0	
			7161-Longevity	379	6,229	2,725	2,800	2,800	2,350	2,800
			7171-Lump Sum Payment	34,628	23,293	27,513		23,663	0	
			7175-Light Duty Assignment	8,804	59,857	33,471	20,592	303	0	
			7182-Deferred Comp Match	2,000	2,000	2,000	2,000	2,300	2,300	
			7191-Gross Pay Adjustment	256	235		690	738	0	
			7192-Sick Pay Buyback	7,273	5,192	5,610	5,302	7,801	5,600	
			7197-Reimbursement			(820)	(534)			
			7198-Retroactive Pay	546	1,787	1,775	2,169	16,172	0	
		75				540,918	601,188	561,173	455,140	497,920
			7521-City Pension			210,579	235,465	225,659	150,648	206,276
			7522-State Pension			6,591	6,375	6,937	6,582	10,770
			7532-Employee Hospitalization			275,142	313,630	288,364	261,431	236,516
			7536-Medicare Tax			11,147	11,694	13,372	16,127	14,431
			7537-AFSCME Dental/Vision			11,985	12,240	13,196	19,800	7,309
			7538-Management Dental/Vision			4,984	4,185	2,092	0	6,869
			7539-Management Life Insurance			504	504	440	552	948
			7541-Workers Comp			19,711	17,640	9,736	0	13,392
			7548-Reimbursement			(1,183)	(1,261)			
			7549-Fringes			1,458	715	1,376	0	1,409
		Non-Personnel		2,157,272	2,209,661	1,352,950	1,360,878	1,176,319	1,502,758	1,775,170
		72		1,239,344	1,324,610	1,030,578	1,039,819	854,496	1,121,110	1,385,830
			7211-Postage						1,002	
			7212-Telephone	5,451	7,371	6,921	4,695	6,279	7,000	7,138
			7213-Travel Expense Local	110	62	140			50	52
			7214-Travel Expense Non-Local	807	652	739		1,180	4,500	3,000
			7215-Training	5,275	4,957	7,959	2,335	580	5,000	5,095
			7219-Communication & Travel-No						12,000	12,000
			7232-Printing And Other Repro	325					500	
			7234-Advertising Of Legal Noti		391					
			7241-Gas	19,846	10,021	10,861	12,999	45,266	17,300	45,083
			7246-Sewerage Service Charges	42,025	53,174	49,756	39,897	41,270	60,000	63,140
			7247-Water Meter Service	25,300	25,060	23,022	19,329	23,030	25,000	31,570
			7248-Power	702,791	582,562	582,643	517,740	394,627	560,000	531,500
			7249-Utility Service - Noc	6,720	6,795	7,672	8,632	8,811	8,000	8,152

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7253-Technical Repairs	483		1,169			2,000	2,038
			7254-Automotive By Municipal G	28,224	45,665	44,694	(2)	10,959	37,658	31,026
			7256-Electrical Machinery	5,235						7,500
			7257-Pumping Machinery	73,903	30,519	6,475	90,354	11,345	15,000	43,450
			7258-Building Repairs- Equipme	43,807	85,991	44,811	23,460	33,082	30,000	56,760
			7259-Equipment Repair - Noc	16,203	2,016	2,450	42			
			7261-Building				7,653		6,000	
			7262-Streets	5,946					6,000	
			7271-Building Cleaning	2,057	2,057	1,100	1,100	1,050	15,000	1,595
			7273-Disinfecting-Exterminatin	6,987	4,920	5,400	4,800		7,500	5,338
			7274-Motor Vehicle Cleaning	18					100	
			7279-Cleaning-Waste Removal -	1,393	1,326	834	1,088	682	1,500	100,018
			7289-Expert Services-Noc	36,294	108,253	18,016	47,094	35,772	50,000	24,625
			7291-Tests - Miscellaneous						0	
			7299-Sundry Contractual Servic	210,145	352,817	215,915	258,604	240,563	250,000	406,750
	73			501,097	366,305	313,102	313,355	312,808	371,010	378,460
			7311-Office Supplies	4,280	3,631	8,444	5,265	3,349	4,997	5,043
			7314-Books	37	294	427			500	306
			7316-Computer Peripherals < \$5						400	
			7331-Lubricants	107	516	4,661	1,329	1,331	3,000	2,038
			7332-Lumber And Wood Products	46			84	59	500	
			7333-Masonry And Road Material	428	598				1,500	
			7334-Structural Metals		681	1,331	1,183	2,375	2,000	1,300
			7335-Paints, Oils & Glass			228	426		1,000	219
			7337-Coal, Coke, Industrial Ga	311		130		1,354	1,000	
			7338-Petroleum Products	31,287	42,010	41,768	18,541	18,863	27,583	34,950
			7339-Fuel Oil	2,160	4,317	4,243	2,086	603	5,000	3,639
			7341-Medical And Surgical Supp	117		824		371	500	306
			7342-Laboratory Supplies	11,094	18,243	18,958	11,692	7,933	12,000	12,228
			7344-Insecticide And Pesticide			181	18	250	0	
			7354-Chlorine	75		2,295			10,000	8,133
			7357-Ice Control	828	610				400	419
			7359-Chemicals - Noc	34,186	26,244	36,754	31,877	47,035	79,300	51,425
			7361-Mechanical And Plant Supp	59,661	86,876	49,021	109,034	79,388	60,000	80,330
			7362-Tools And Testing Instrum	8,519	9,721	8,615	4,523	7,108	8,000	8,152
			7364-Wearing Apparel	4,117	3,224	3,059	1,124	6,338	6,000	3,095
			7366-Training Aids					1,665	0	
			7369-Tecnical Supplies & Tools		220	901	867	375	0	
			7371-Cleaning Supplies				138	942	0	
			7372-Household And Lavatory Su			653	535	498	3,000	510
			7373-Horticulture Supplies				2,400		2,000	838
			7379-Sundry Supplies - Noc		2,940					2,038

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7381-Household And Office Furn						1,500	
			7382-Office Machine Parts					300	0	
			7383-Technical Equipment Parts	64,713	4,647	8,988	22,039	18,569	19,730	18,475
			7385-Automotive Equipment Part			570		2	600	211
			7386-Pipes Valves & Fittings >	34,603	8,811	1,024	4,341	9,748	5,000	5,095
			7387-Pipes Valves & Fittings <	3,717	4,733	3,863		113	5,000	3,095
			7391-Plumbing Machinery Parts	132,940	60,568	77,398	50,401	66,868	50,000	63,950
			7392-Electrical Machinery Part	104,107	81,440	28,031	40,576	21,086	50,000	65,570
			7394-Filter Media			16		38	4,500	
			7396-Street Lighting			260				
			7398-Building Equipment Parts	3,762	5,981	10,460	4,875	15,959	5,000	7,095
			7399-Parts & Fittings - Noc					285	1,000	
		74		416,831	518,746	9,271	7,704	9,015	10,638	10,880
			7413-MacHinery & Equip W/O Ope	467	523	57		101	1,000	
			7415-Office MacHinery Rent	2,318	2,235	2,071	2,232	2,232	2,438	2,545
			7419-Rent - Noc	1,528	1,604	1,684	1,769	936	1,500	2,018
			7425-Workers' Compensation Ins	5,024	11,065					
			7431 PENSION AND RETIREMENT CONTRIBUTION (prior to 2012)	378,985	443,086					
			7434-Tuition Reimbursement	26,259	27,569					
			7451-Refunds, Awards, Indemnit						500	
			7452-Subscriptions & Membershi	512	402	594	660	511	700	611
			7457-Taxes	1,738	32,261	4,864	3,044	5,235	4,500	5,706
			7459-Sundry Fixed Charges - No						0	
445- MSD Sycamore				2,408,379	1,993,247	1,753,193	1,792,213	1,656,735	1,930,070	2,149,180
	Personnel			728,884	537,936	775,145	776,608	703,494	819,490	846,590
		71		728,884	537,936	509,261	507,821	489,405	600,810	542,370
			7111-Regular Hours	455,537	305,999	359,928	387,612	322,082	572,360	473,714
			7112-Sick Pay	24,779	19,997	12,018	12,021	16,482	0	
			7113-Vacation Pay	50,873	34,631	22,000	21,634	30,251	0	
			7114-Compensatory Time Used	7,669	1,738	1,830	3,206	1,178	0	
			7115-Donated Time	9,950						
			7117-Injury With Pay-Nonunifor	0						
			7121-Overtime	145,871	88,497	73,755	53,133	67,752	20,000	67,752
			7131-Shift Differential	2,637	1,336	2,102	2,524	2,563	3,200	
			7151-Birthday Holiday	2,575	1,904	1,678	1,729	1,942	0	
			7153-Holiday	18,139	13,528	15,114	14,821	13,555	0	
			7157-Training	4,605	8,638	9,356	3,766	4,604	0	
			7158-Union Time	151						
			7161-Longevity		5,483	1,050	1,050	904	1,050	904
			7171-Lump Sum Payment		35,858	884		14,178	0	
			7175-Light Duty Assignment		10,198	1,205				

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7182-Deferred Comp Match	500			325		1,000	
			7191-Gross Pay Adjustment	4,210	6,532	6,019	2,307	3,195	0	
			7192-Sick Pay Buyback	1,310	2,275		2,362	2,440	3,200	
			7198-Retroactive Pay	79	1,323	2,321	1,330	8,279	0	
		75				265,884	268,787	214,089	218,680	304,220
			7521-City Pension			74,754	79,655	79,567	67,597	126,029
			7522-State Pension			25,494	25,694	17,022	13,794	6,580
			7532-Employee Hospitalization			140,039	140,027	99,680	118,583	144,508
			7536-Medicare Tax			7,697	7,202	7,007	7,990	8,817
			7537-AFSCME Dental/Vision			6,120	5,993	5,306	10,440	4,466
			7538-Management Dental/Vision			1,255	1,255	523	0	4,197
			7539-Management Life Insurance			126	126	100	276	579
			7541-Workers Comp			9,683	8,489	4,228	0	8,183
			7549-Fringes			716	347	657	0	861
		Non-Personnel		1,679,496	1,455,311	978,048	1,015,605	953,241	1,110,580	1,302,590
		72		1,017,319	906,625	705,101	776,712	748,624	877,370	972,590
			7211-Postage			508				
			7212-Telephone	7,210	6,358	6,998	7,338	4,840	7,500	7,635
			7213-Travel Expense Local		130	64				
			7214-Travel Expense Non-Local	61	389		429	292	1,500	1,514
			7215-Training	7,729	14,499	7,544	2,233	1,265	10,000	8,057
			7219-Communication & Travel-No							
			7232-Printing And Other Repro	295		436				
			7241-Gas	18,771	13,350	12,541	13,820	14,211	15,000	20,380
			7246-Sewerage Service Charges	35,406	45,000	20,634	90,140	51,074	117,000	106,000
			7247-Water Meter Service	20,160	25,000	9,228	45,864	52,288	60,000	53,000
			7248-Power	409,124	273,339	397,139	294,000	379,992	330,000	365,000
			7253-Technical Repairs		315		1,349		500	4,020
			7254-Automotive By Municipal G	9,251	9,263	4,766	4,736	5,018	5,500	5,676
			7256-Electrical MacHinery			684	985	4,012	2,500	2,518
			7257-Pumping MacHinery	62,108	53,959	11,425	13,071	2,028	25,000	10,380
			7258-Building Repairs- Equipme	62,780	66,588	13,741	6,203	7,251	15,000	12,285
			7259-Equipment Repair - Noc	7,556	26,068	4,495	1,559			10,000
			7261-Building	4,861	1,262				1,500	
			7262-Streets			1,980			10,000	
			7271-Building Cleaning	6,052	3,591	5,517	5,566	6,072	6,570	7,133
			7273-Disinfecting-Exterminatin	263		135			1,800	
			7279-Cleaning-Waste Removal -	1,580	1,573	1,649	1,491	2,419	2,000	64,457
			7281-Legal Services	24,995						
			7282-Real Estate Services	250						
			7289-Expert Services-Noc	29,750	80,918	14,466	15,785	17,155	15,000	8,285

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7291-Tests - Miscellaneous	2,487		1,500			1,000	500
			7299-Sundry Contractual Servic	306,630	285,022	189,650	272,141	200,707	250,000	285,750
		73		440,383	337,417	270,677	234,882	200,447	230,210	317,090
			7311-Office Supplies	2,208	345	3,952	3,423	1,070	1,498	2,624
			7314-Books	946		2,525		581	0	
			7331-Lubricants		10,499	133	1,394	33	1,500	1,518
			7333-Masonry And Road Material	16,315	2,593	119			750	750
			7334-Structural Metals		164				700	700
			7335-Paints, Oils & Glass		124	475	1,024		1,000	1,000
			7338-Petroleum Products	4,830	8,394	9,156	22,207	6,256	10,162	15,095
			7339-Fuel Oil	9,786	10,498	5,666	18,806		10,000	10,190
			7341-Medical And Surgical Supp		50	53		58	0	102
			7342-Laboratory Supplies	12,664	11,789	20,023	25,401	6,351	20,000	20,095
			7344-Insecticide And Pesticide			345		233	0	
			7354-Chlorine		619					
			7357-Ice Control	1,602	1,076				2,500	
			7359-Chemicals - Noc	170,082	42,820	45,898	79,102	41,928	85,000	66,615
			7361-Mechanical And Plant Supp	44,834	40,963	46,648	30,959	52,049	40,000	40,760
			7362-Tools And Testing Instrum	3,519	10,075	13,853	7,784	1,767	4,000	10,038
			7364-Wearing Apparel		152	2,298	3,384	3,356	2,000	2,057
			7366-Training Aids					558	0	
			7369-Tecnical Supplies & Tools		908	155				
			7371-Cleaning Supplies			1,124	137	403	500	510
			7372-Household And Lavatory Su			1,371	409	592	500	510
			7373-Horticulture Supplies		512				500	510
			7377-Fencing And Fence Posts		2,149	3,882				
			7379-Sundry Supplies - Noc	3,993	1,305	12	7		1,000	509
			7381-Household And Office Furn	2,482		1,319			1,600	1,019
			7383-Technical Equipment Parts	25,971	26,333	3,749	3,284	23,562	10,000	12,152
			7385-Automotive Equipment Part			11				
			7386-Pipes Valves & Fittings >	2,195	168				750	764
			7387-Pipes Valves & Fittings <	2,650	2,850	1,239			750	1,464
			7391-Plumbing Machinery Parts	68,413	103,859	71,790	11,061	33,660	10,000	76,330
			7392-Electrical Machinery Part	51,703	52,952	33,948	21,575	26,968	20,000	40,760
			7394-Filter Media	2,375	2,088	20			5,000	5,000
			7398-Building Equipment Parts	13,818	4,131	912	4,047	1,023	500	6,018
			7399-Parts & Fittings - Noc				876			
		74		221,794	211,269	2,270	4,011	4,170	3,000	12,910
			7415-Office MacHinery Rent	2,524	2,290	2,204	2,000	2,000	2,300	2,553
			7419-Rent - Noc	1,642	(335)					
			7425-Workers' Compensation Ins	3,381	7,376					

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7431 PENSION AND RETIREMENT CONTRIBUTION (prior to 2012)	201,737	189,526					
			7434-Tuition Reimbursement	12,510	12,016		1,620	1,890	0	3,057
			7452-Subscriptions & Membershi		396	66	391	280	500	300
			7459-Sundry Fixed Charges - No						200	7,000
446-	MSD Taylor Cree			1,863,608	1,692,176	1,613,402	1,531,773	1,436,715	1,903,866	1,738,740
	Personnel			581,731	542,511	827,117	702,477	667,010	842,620	744,860
		71		581,731	542,511	555,202	466,369	447,593	626,910	522,790
			7111-Regular Hours	415,841	401,323	413,883	318,852	303,492	614,710	500,253
			7112-Sick Pay	11,655	14,218	18,049	23,781	25,433	0	
			7113-Vacation Pay	41,665	40,682	44,837	34,479	37,144	0	
			7114-Compensatory Time Used	5,792	8,177	5,770	3,188	7,470	0	
			7115-Donated Time		3,567					
			7117-Injury With Pay-Nonunifor			2,497	1,238	662	0	
			7121-Overtime	15,489	21,142	19,430	7,943	20,187	4,000	20,187
			7131-Shift Differential	62	360	23	7	171	500	
			7141-Special Assignments	488	722	680	364	147	700	
			7151-Birthday Holiday	2,089	2,052	2,058	1,914	1,691	0	
			7153-Holiday	19,273	19,507	18,543	15,763	15,414	0	
			7155-Jury Duty		534					
			7157-Training	6,323	10,842	8,956	4,370	5,034	0	
			7158-Union Time	1,725	5,950	4,201	6,014	807	0	
			7161-Longevity	117	6,500	3,283	2,554	2,350	2,400	2,350
			7171-Lump Sum Payment	57,406		7,625	29,013			
			7175-Light Duty Assignment	1,267	2,421	898	12,481	19,143	0	
			7182-Deferred Comp Match	500	500	500	500	600	1,100	
			7192-Sick Pay Buyback	2,038	3,842	4,038	3,818	1,198	3,500	
			7197-Reimbursement			(69)	(49)			
			7198-Retroactive Pay		172		140	6,651	0	
		75				271,915	236,109	219,417	215,710	222,070
			7521-City Pension			117,068	106,878	98,330	96,011	92,000
			7522-State Pension							4,803
			7532-Employee Hospitalization			129,357	107,506	104,536	99,234	105,483
			7536-Medicare Tax			6,342	5,399	5,670	8,219	6,436
			7537-AFSCME Dental/Vision			7,331	5,801	5,606	11,970	3,260
			7538-Management Dental/Vision			1,255	1,255	627	0	3,064
			7539-Management Life Insurance			126	126	110	276	423
			7541-Workers Comp			9,765	8,877	3,881	0	5,973
			7548-Reimbursement			(52)	(111)			
			7549-Fringes			722	378	656	0	628
	Non-Personnel			1,281,878	1,149,665	786,285	829,296	769,705	1,061,246	993,880

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
		72		815,428	614,657	679,986	586,338	593,422	803,190	760,010
			7212-Telephone	12,124	10,699	12,742	12,598	10,168	13,002	12,248
			7213-Travel Expense Local	131					200	
			7214-Travel Expense Non-Local	609					3,000	
			7215-Training	965	245	2,647	6,197	125	4,000	3,170
			7219-Communication & Travel-No						15,000	15,000
			7241-Gas	7,428	9,012	11,778	9,319	16,394	12,000	21,570
			7246-Sewerage Service Charges	13,862	27,524	20,104	17,657	26,393	21,000	25,665
			7247-Water Meter Service	15,079	16,597	18,045	24,776	17,535	20,000	20,570
			7248-Power	447,193	324,104	461,022	311,750	301,730	450,000	311,460
			7252-Office Machines						150	
			7253-Technical Repairs				73		3,000	
			7254-Automotive By Municipal G	18,345	19,758	22,731	7,964	3,704	8,938	17,494
			7256-Electrical MacHinery					609	0	10,000
			7257-Pumping MacHinery	34,297	13,406		27,489	6,863	30,000	14,570
			7258-Building Repairs- Equipme	18,203	8,541	6,333	16,681	15,822	20,000	13,380
			7259-Equipment Repair - Noc	1,760					2,500	
			7262-Streets		18,527				3,000	6,200
			7271-Building Cleaning	90	90	400			10,000	6,190
			7273-Disinfecting-Exterminatin	3,313	2,770	3,650	3,250		6,000	3,114
			7274-Motor Vehicle Cleaning	8					100	
			7279-Cleaning-Waste Removal -	409	1,013	1,555	501	537	1,300	52,629
			7289-Expert Services-Noc	66,649	81,519	32,204	18,065	23,542	50,000	42,950
			7299-Sundry Contractual Servic	174,963	80,853	86,775	130,018	170,000	130,000	183,800
		73		276,483	290,055	104,185	239,394	171,767	251,756	222,490
			7311-Office Supplies	3,390	4,446	2,039	4,448	3,017	6,002	3,643
			7314-Books			206			200	206
			7319-Office Drafting - Noc			50				
			7331-Lubricants	603	2,366	14		997	1,000	1,019
			7332-Lumber And Wood Products						200	
			7333-Masonry And Road Material						1,500	
			7334-Structural Metals	1,847	716		26	7,226	3,000	2,000
			7335-Paints, Oils & Glass				91		750	
			7337-Coal, Coke, Industrial Ga	3,003	16	8	30		8,000	
			7338-Petroleum Products	16,365	22,303	15,086	14,721	10,941	13,688	17,399
			7339-Fuel Oil		2,206	5,835	3,109	1,596	5,000	3,795
			7341-Medical And Surgical Supp			53	65	253	500	108
			7342-Laboratory Supplies	11,670	15,625	13,153	6,560	9,802	12,000	12,190
			7344-Insecticide And Pesticide			171	35		850	
			7354-Chlorine			91	187		2,000	100
			7357-Ice Control	1,185	1,054				2,000	419
			7359-Chemicals - Noc	62,231	37,730	15,000	24,062	20,136	30,000	26,475

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7361-Mechanical And Plant Supp	57,920	71,011	25,533	96,238	83,552	45,566	59,330
			7362-Tools And Testing Instrum	2,418	102	4,064	1,284	6,119	5,500	4,076
			7364-Wearing Apparel	3,604	2,988	5,439	5,648	623	5,000	4,057
			7366-Training Aids						200	
			7367-Data Processing Software						500	
			7369-Tecnical Supplies & Tools		272	3,541		170	0	
			7371-Cleaning Supplies			194	110		1,500	128
			7372-Household And Lavatory Su			582	162		1,000	269
			7373-Horticulture Supplies	1,200	577		354		3,000	357
			7377-Fencing And Fence Posts						500	
			7379-Sundry Supplies - Noc	43					500	
			7383-Technical Equipment Parts	15,022	36,632	174	7,777	3,082	15,000	16,285
			7385-Automotive Equipment Part		786	4	18		1,000	319
			7386-Pipes Valves & Fittings >		138		7,475	433	4,000	2,076
			7387-Pipes Valves & Fittings <		1,767		3,186		4,000	1,376
			7391-Plumbing Machinery Parts	31,984	24,914	9,193	35,548	15,073	50,000	25,950
			7392-Electrical Machinery Part	52,400	52,983	2,827	27,450	8,722	25,000	36,475
			7394-Filter Media						1,000	
			7398-Building Equipment Parts	11,598	11,425	928	808	25	1,300	4,438
			7399-Parts & Fittings - Noc						500	
	74			189,967	244,952	2,114	3,564	4,516	6,300	11,380
			7413-MacHinery & Equip W/O Ope	557	422			938	1,000	628
			7415-Office MacHinery Rent	2,186	2,086	1,982	3,432	3,432	2,500	2,548
			7425-Workers' Compensation Ins	2,523	5,887					
			7431 PENSION AND RETIREMENT CONTRIBUTION (prior to 2012)	170,726	221,276					
			7434-Tuition Reimbursement	13,783	15,083				2,000	
			7452-Subscriptions & Membershi	192	198	132	132	146	200	204
			7457-Taxes						600	
			7459-Sundry Fixed Charges - No						0	8,000
447- MSD Polk Run				1,854,606	1,858,804	1,515,400	1,489,670	1,207,685	1,571,520	1,673,850
	Personnel			557,984	684,026	794,566	775,022	622,131	774,900	720,240
		71		557,984	684,026	540,716	519,140	439,455	549,700	522,920
			7111-Regular Hours	382,968	437,026	367,852	379,228	307,794	520,250	464,888
			7112-Sick Pay	7,112	9,936	8,317	11,883	13,553	0	
			7113-Vacation Pay	28,822	26,734	26,329	22,617	21,752	0	
			7114-Compensatory Time Used	3,037	6,573	4,763	7,036	5,466	0	
			7117-Injury With Pay-Nonunifor	0						
			7121-Overtime	90,004	110,614	78,154	65,245	57,682	20,000	57,682
			7131-Shift Differential	1,113	1,845	2,850	1,299	1,440	4,000	
			7141-Special Assignments			0				
			7151-Birthday Holiday	1,959	1,960	1,819	1,323	1,781	0	

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7153-Holiday	16,463	19,229	14,979	15,728	13,286	0	
			7155-Jury Duty		620		1,925		0	
			7157-Training	19,286	14,975	11,434	7,344	6,009	0	
			7158-Union Time		177	177				
			7161-Longevity		4,021	783	350	350	600	350
			7171-Lump Sum Payment		37,774	16,482				
			7175-Light Duty Assignment	918						
			7182-Deferred Comp Match	500	500	500	500	600	600	
			7191-Gross Pay Adjustment	2,840	7,204	1,680	197	225	0	
			7192-Sick Pay Buyback	2,899	3,995	2,187	4,089	3,352	4,250	
			7198-Retroactive Pay	64	846	2,412	377	6,165	0	
		75				253,849	255,881	182,676	225,200	197,320
			7521-City Pension			82,184	93,796	73,558	74,743	81,746
			7522-State Pension			16,360	8,284	8,976	6,852	4,268
			7532-Employee Hospitalization			124,780	124,361	83,271	123,367	93,728
			7536-Medicare Tax			7,984	7,355	6,285	8,217	5,719
			7537-AFSCME Dental/Vision			5,610	5,036	4,860	11,745	2,896
			7538-Management Dental/Vision			2,509	2,510	837	0	2,722
			7539-Management Life Insurance			252	252	131	276	376
			7541-Workers Comp			12,312	8,718	4,108	0	5,307
			7549-Fringes			1,857	5,569	650	0	558
		Non-Personnel		1,296,622	1,174,778	720,835	714,648	585,553	796,620	953,610
		72		902,398	692,059	510,687	538,427	463,351	634,090	756,750
			7211-Postage	53	79	150				
			7212-Telephone	7,520	7,913	8,233	9,357	7,056	8,504	8,663
			7213-Travel Expense Local	148	62					
			7214-Travel Expense Non-Local	342		45	474	331	1,500	202
			7215-Training	8,675	9,399	7,284	1,895	1,380	5,700	6,266
			7241-Gas	3,852	4,142	4,065	3,129	5,031	5,500	6,266
			7246-Sewerage Service Charges	11,229	11,861	11,731	24,683	19,175	39,000	37,165
			7247-Water Meter Service	8,510	7,000	7,000	10,589	10,718	21,000	21,380
			7248-Power	257,128	204,020	238,545	183,000	193,638	205,000	209,370
			7253-Technical Repairs		353	3,314	296		3,520	1,319
			7254-Automotive By Municipal G	5,309	4,829	4,405	3,929	3,271	4,186	4,424
			7256-Electrical MacHinery	5,052	1,407	1,415	6,639		6,500	3,238
			7257-Pumping MacHinery	63,605	50,811	12,836	89,214	34,801	30,000	100,570
			7258-Building Repairs- Equipme	116,950	82,870	10,698	7,221	23,937	35,000	30,665
			7259-Equipment Repair - Noc	1,570	9,706	7,977	2,342			5,000
			7261-Building		9,173		1,614		3,900	4,076
			7262-Streets			2,590			10,000	
			7269-Building-Structure Repair				1,500			

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7271-Building Cleaning	7,523	5,111	7,200	7,200	7,200	8,000	8,152
			7273-Disinfecting-Exterminatin	4,490	3,160	425			3,000	1,257
			7279-Cleaning-Waste Removal -	1,342	1,241	1,223	1,156	1,334	2,000	62,538
			7289-Expert Services-Noc	174,415	18,335	13,181	15,100	15,117	20,000	13,380
			7291-Tests - Miscellaneous	170		1,267	1,297		1,000	1,019
			7299-Sundry Contractual Servic	224,516	260,587	167,106	167,791	140,362	220,780	231,800
		73		196,260	211,464	209,594	173,327	119,336	158,890	188,580
			7311-Office Supplies	3,286	1,566	3,881	5,179	5,360	2,998	3,424
			7314-Books				212			
			7331-Lubricants	669		1,023		84	2,000	519
			7332-Lumber And Wood Products	623						
			7333-Masonry And Road Material	3,892	1,060	1,486			3,000	1,000
			7334-Structural Metals	2,987	252	2,631	2,786		3,000	2,000
			7335-Paints, Oils & Glass	585	1,317	112	1,245		1,000	1,000
			7337-Coal, Coke, Industrial Ga						0	
			7338-Petroleum Products	7,378	7,499	6,633	4,755	5,560	6,392	6,343
			7339-Fuel Oil		10,689	6,364	4,372		5,000	5,857
			7341-Medical And Surgical Supp	1,987	50	118		124	0	
			7342-Laboratory Supplies	8,734	9,358	12,143	17,931	7,428	18,500	13,094
			7344-Insecticide And Pesticide			106		40	0	
			7357-Ice Control	441	872				1,200	319
			7359-Chemicals - Noc	19,546	19,452	6,751	17,314	10,347	25,000	15,475
			7361-Mechanical And Plant Supp	27,168	25,650	82,746	65,449	57,700	20,000	55,855
			7362-Tools And Testing Instrum	8,365	2,911	143	5,357	3,114	3,500	2,476
			7363-Engineering & Scientific	6,564						
			7364-Wearing Apparel		493	695	2,547	1,928	1,750	538
			7369-Tecnical Supplies & Tools	882	113	12,901				
			7371-Cleaning Supplies			108		93	500	
			7372-Household And Lavatory Su		243	1,077	98	402	500	500
			7373-Horticulture Supplies	43		1,615	802		500	800
			7379-Sundry Supplies - Noc		2,739	2,020			1,000	1,610
			7381-Household And Office Furn		3,493	458				
			7383-Technical Equipment Parts	13,793	16,473		6,252	8,961	25,000	8,595
			7385-Automotive Equipment Part					34	0	
			7386-Pipes Valves & Fittings >	695	1,371	4,609		148	2,000	1,998
			7387-Pipes Valves & Fittings <	3,283	915	1,092	884		2,000	1,038
			7391-Plumbing Machinery Parts	63,474	57,484	32,946	13,766	4,600	11,550	35,570
			7392-Electrical Machinery Part	11,978	36,243	24,486	15,630	8,060	15,000	25,475
			7393-Water Purificat				7,734			
			7394-Filter Media	4,034	1,170		126	1,259	1,500	518
			7398-Building Equipment Parts	5,852	10,050	3,450	14		6,000	4,576
			7399-Parts & Fittings - Noc				876	4,093	0	

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
		74		197,965	271,255	554	2,894	2,866	3,640	8,280
			7413-MacHinery & Equip W/O Ope	8,800						
			7415-Office MacHinery Rent	2,165	2,499				3,390	1,035
			7419-Rent - Noc	7,359	8,590	290	290	290	0	
			7425-Workers' Compensation Ins	1,818	5,647					
			7431 PENSION AND RETIREMENT CONTRIBUTION (prior to 2012)	164,186	236,485					
			7434-Tuition Reimbursement	13,572	17,903		2,340	2,430	0	
			7452-Subscriptions & Membershi	64	132	264	264	146	250	245
			7459-Sundry Fixed Charges - No						0	7,000
448 - MSD Pump Stations										1,601,230
			Non-Personnel							1,601,230
		72								1,133,000
			7212-Telephone							10,000
			7214-Travel Expense Non-Local							2,000
			7215-Training							8,000
			7248-Power							90,000
			7253-Technical Repairs							1,000
			7254-Automotive By Municipal G							65,000
			7256-Electrical MacHinery							343,000
			7257-Pumping MacHinery							319,000
			7258-Building Repairs- Equipme							25,000
			7299-Sundry Contractual Servic							270,000
		73								458,230
			7311-Office Supplies							2,002
			7314-Books							1,000
			7331-Lubricants							500
			7338-Petroleum Products							50,000
			7339-Fuel Oil							30,000
			7359-Chemicals - Noc							91,728
			7361-Mechanical And Plant Supp							8,000
			7362-Tools And Testing Instrum							10,000
			7364-Wearing Apparel							5,000
			7367-Data Processing Software							1,000
			7372-Household And Lavatory Su							500
			7381-Household And Office Furn							1,000
			7383-Technical Equipment Parts							20,000
			7386-Pipes Valves & Fittings >							20,000
			7387-Pipes Valves & Fittings <							15,000
			7391-Plumbing Machinery Parts							150,000
			7392-Electrical Machinery Part							50,000

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7398-Building Equipment Parts							2,500
		74								10,000
			7419-Rent - Noc							10,000
449- MSD Maint				9,008,398	9,834,828	8,711,566	8,371,630	7,338,323	8,951,747	7,477,579
	Personnel			4,170,178	4,290,554	5,724,534	5,672,642	4,972,555	5,575,580	5,327,411
		71		4,170,178	4,290,554	3,836,421	3,815,461	3,466,848	4,035,920	3,834,883
			7110	(225)						
			7111-Regular Hours	2,944,338	3,061,913	2,836,518	2,701,769	2,509,768	3,938,720	3,617,656
			7112-Sick Pay	147,462	170,372	123,668	121,056	91,925	0	
			7113-Vacation Pay	274,008	266,621	285,555	243,942	210,331	0	
			7114-Compensatory Time Used	122,158	105,386	71,572	72,168	55,150	0	
			7115-Donated Time	1,004	6,613	3,435				
			7117-Injury With Pay-Nonunifor	36,117	17,018	10,896	10,071	189	0	
			7118-Personal With Pay	175						
			7121-Overtime	318,195	286,300	190,585	203,208	207,314	50,000	207,314
			7131-Shift Differential	387		26				
			7141-Special Assignments	89	93	71	5	24	0	
			7151-Birthday Holiday	13,250	13,566	13,014	11,724	10,798	0	
			7153-Holiday	143,474	148,032	138,811	125,104	115,953	0	
			7155-Jury Duty	3,264	1,630	951	739	1,535	0	
			7156-Military Duty			945	387			
			7157-Training	56,262	53,040	34,441	20,834	40,725	0	
			7158-Union Time	6,480	16,365	25,961	31,130	34,626	0	
			7161-Longevity	1,192	28,767	13,675	12,013	9,913	11,050	9,913
			7171-Lump Sum Payment	29,690	22,158	31,824	205,037	54,420	0	
			7175-Light Duty Assignment	37,516	53,640	18,040	11,250	9,236	0	
			7182-Deferred Comp Match	7,000	7,700	7,760	8,500	9,760	10,400	
			7191-Gross Pay Adjustment	3,923	9,637	6,103	12,552	7,790	0	
			7192-Sick Pay Buyback	18,808	17,532	24,890	22,035	12,853	25,750	
			7197-Reimbursement			(6,004)	(149)			
			7198-Retroactive Pay	5,611	4,172	3,684	2,083	84,540	0	
		75				1,888,113	1,857,181	1,505,707	1,539,660	1,492,528
			7521-City Pension			733,014	742,868	640,693	466,626	616,967
			7522-State Pension			46,151	43,276	44,808	33,998	32,848
			7532-Employee Hospitalization			929,197	908,864	700,783	907,485	707,422
			7536-Medicare Tax			43,131	41,079	41,703	60,593	44,015
			7537-AFSCME Dental/Vision			37,166	32,130	28,879	67,860	22,292
			7538-Management Dental/Vision			21,543	20,975	10,044	0	20,951
			7539-Management Life Insurance			2,063	2,116	1,912	3,098	2,890
			7541-Workers Comp			77,230	63,932	31,113	0	40,847

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7548-Reimbursement			(7,096)	(670)			
			7549-Fringes			5,714	2,611	5,772	0	4,296
	Non-Personnel			4,838,220	5,544,275	2,987,032	2,698,988	2,365,768	3,376,167	2,150,168
		72		1,895,997	2,350,302	1,509,880	1,640,699	1,048,579	1,952,470	1,151,230
			7212-Telephone	31,246	28,335	29,381	23,835	21,986	29,996	21,335
			7213-Travel Expense Local	470	236	1,244	119	278	0	102
			7214-Travel Expense Non-Local	7,211	17,442	12,297	8,985	35,108	15,000	13,000
			7215-Training	38,084	32,509	27,415	24,934	16,687	50,500	71,070
			7219-Communication & Travel-No							72,000
			7232-Printing And Other Repro					106	0	
			7234-Advertising Of Legal Noti	3,500						
			7246-Sewerage Service Charges	3,335				610	0	
			7247-Water Meter Service	7,000	2,000			7,635	2,000	11,996
			7248-Power	6,193	4,473	7,837	34,178	81,842	160,000	
			7253-Technical Repairs			39			7,500	25,982
			7254-Automotive By Municipal G	121,142	118,809	148,560	120,177	131,466	153,934	68,800
			7255-Automotive By Others					143	48,000	48,912
			7256-Electrical MacHinery	99,829	295,099	358,624	99,996	904	343,000	
			7257-Pumping MacHinery	40,877	723,487	459,836	513,606	341,428	333,500	7,196
			7258-Building Repairs- Equipme	794,857	213,235	45,107	177,997	9,798	195,000	25,950
			7259-Equipment Repair - Noc	11,275		706	5,057	18,894	0	
			7261-Building		8,110		5,539		8,000	
			7262-Streets			62,776		21,699	125,000	122,375
			7271-Building Cleaning	88	3,298	947	152,361	151,684	140,000	257,850
			7273-Disinfecting-Exterminatin						1,000	
			7279-Cleaning-Waste Removal -	728	1,112				0	
			7282-Real Estate Services		47,496					
			7288-Data Processing By Others						1,000	
			7289-Expert Services-Noc	631,540	664,776	326,983	463,345	322,168	225,040	34,316
			7291-Tests - Miscellaneous					28	0	
			7299-Sundry Contractual Servic	98,621	189,885	28,129	10,570	(113,883)	114,000	370,346
		73		1,002,046	987,647	999,184	591,709	517,898	583,504	379,330
			7311-Office Supplies	18,076	19,335	9,598	12,946	24,027	12,001	1,540
			7314-Books	701	1,188	2,514	54	524	2,500	518
			7315-Minor Office Equipment <\$	420	370	4,487	1,168			
			7316-Computer Peripherals <\$5		24,972	2,406	4,746	3,664	31,000	20,000
			7319-Office Drafting - Noc			108		182	5,000	
			7331-Lubricants			1,116	483	392	1,000	519
			7332-Lumber And Wood Products		6		608		1,000	
			7333-Masonry And Road Material			64	548	52	1,000	
			7334-Structural Metals	1,114	1,951	4,832	2,696	871	6,000	1,019

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7335-Paints, Oils & Glass	8,167	1,569	5,222	3,602	225	1,500	3,020
			7337-Coal, Coke, Industrial Ga	3,354	3,231	1,560	1,518	1,665	1,000	
			7338-Petroleum Products	83,110	120,552	109,595	101,344	108,857	103,119	49,860
			7339-Fuel Oil	5,991		7,145	3,331	7,554	20,000	
			7341-Medical And Surgical Supp			348	47	692	500	102
			7342-Laboratory Supplies			1,707	155	12	0	
			7344-Insecticide And Pesticide			1,488	1,600	2,031	1,500	
			7354-Chlorine			22,196	7,326			
			7357-Ice Control	968			1,548	1,103	0	4,999
			7358-Activated Carbon					2,741	0	
			7359-Chemicals - Noc	31,224	19,946		66,077	19,328	67,600	1,900
			7361-Mechanical And Plant Supp	153,389	55,487	113,270	119,765	103,659	49,000	93,900
			7362-Tools And Testing Instrum	34,563	56,142	18,529	8,161	11,353	10,000	40,380
			7363-Engineering & Scientific	125						
			7364-Wearing Apparel	14,905	14,379	22,027	12,776	27,609	14,850	9,970
			7366-Training Aids	125				4,105	0	
			7367-Data Processing Software	1,131	26,710	3,012	7,229	2,573	6,000	24,980
			7369-Tecnical Supplies & Tools		4,478	1,920	1,166	7,976	1,000	
			7371-Cleaning Supplies			3,052	1,366	10,048	0	
			7372-Household And Lavatory Su			9,973	2,983	7,291	10,000	4,996
			7373-Horticulture Supplies	8	62	1,020		134	0	
			7377-Fencing And Fence Posts		4,240	11,495	9,739			
			7379-Sundry Supplies - Noc	734	150	12	22	46	0	
			7381-Household And Office Furn	1,234			2,372		2,000	1,038
			7383-Technical Equipment Parts	42,993	25,149	27,027	14,801	28,372	55,434	36,950
			7384-Communication Equipment P	2,293	6,421	5,658				
			7385-Automotive Equipment Part		1,131	57	9,550	7,286	1,000	1,019
			7386-Pipes Valves & Fittings >			11,960	26,083	1,437	20,000	
			7387-Pipes Valves & Fittings <	542	232	437	96		16,500	
			7391-Plumbing Machinery Parts	138,951	316,312	246,132	53,001	73,399	85,000	9,720
			7392-Electrical Machinery Part	454,787	283,583	347,024	109,142	57,648	50,000	51,900
			7394-Filter Media			69	20	170	0	
			7398-Building Equipment Parts	3,144	39		550	46	7,000	20,000
			7399-Parts & Fittings - Noc		12	2,123	3,089	827	1,000	1,000
		74		1,940,177	2,206,326	477,968	466,580	799,291	840,193	619,608
			7413-MacHinery & Equip W/O Ope		255	124	2,021	6,746	0	
			7415-Office MacHinery Rent	5,344	5,344	6,301	7,941	8,000	8,593	10,190
			7418-Software & License Fees	142,241	157,573	168,797	152,897	85,908	526,000	255,700
			7419-Rent - Noc	4,160	255	1,800		600	0	
			7421-Building & Structure Insu	263,454	278,490	297,962	301,311	306,601	300,000	350,000
			7425-Workers' Compensation Ins	18,302	42,202					
			7431 PENSION AND RETIREMENT CONTRIBUTION (prior to 2012)	1,392,508	1,602,294					

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7434-Tuition Reimbursement	109,161	117,352	1,856		2,700	3,000	2,190
			7452-Subscriptions & Membershi	1,542	1,152	1,128	976	1,879	2,600	1,528
			7455-Judgments - Property-Clai	3,466	1,409			386,856	0	
			7457-Taxes				1,434		0	
450- MSD WW Coll				17,594,325	18,207,993	14,863,533	17,133,768	20,423,604	22,041,185	24,977,418
	Personnel			6,304,921	6,729,608	9,000,095	9,838,132	9,140,071	10,372,725	10,345,938
		71		6,304,921	6,729,608	5,838,747	6,572,953	6,311,083	7,733,904	7,528,180
			7110	(3,589)						
			7111-Regular Hours	4,279,369	4,283,011	4,275,889	4,723,827	4,360,737	6,570,005	6,790,571
			7112-Sick Pay	219,692	196,285	202,675	205,609	231,846	0	
			7113-Vacation Pay	368,047	342,546	416,672	414,162	483,404	0	
			7114-Compensatory Time Used	159,673	164,031	90,582	74,611	61,986	0	
			7115-Donated Time	4,338	13,564	11,208	337	13,914	0	
			7117-Injury With Pay-Nonunifor	13,912	3,081	14,618	4,436	795	0	
			7119-Disaster Regular Hours						0	
			7121-Overtime	765,537	1,104,544	512,410	720,357	720,609	914,406	720,609
			7129-Disaster Overtime						0	
			7131-Shift Differential	13,275	14,498	9,481	4,146	4,926	10,180	
			7141-Special Assignments	1,285	606	359	466	457	1,680	
			7151-Birthday Holiday	21,081	21,565	23,429	22,293	23,929	0	
			7153-Holiday	214,766	215,259	237,041	232,622	239,329	0	
			7155-Jury Duty	923	1,096	4,499	1,409	1,769	0	
			7156-Military Duty	6,629		(4,573)				
			7157-Training	195				200	0	
			7158-Union Time	3,450	2,236	7,191	5,356	6,329	0	
			7161-Longevity	175	35,621	17,775	17,304	17,000	17,900	17,000
			7171-Lump Sum Payment	77,882	156,865	27,142	69,077	31,831	154,135	
			7175-Light Duty Assignment	82,609	85,866	44,848	70,824	31,659	0	
			7182-Deferred Comp M						4,500	
			7182-Deferred Comp Match	15,000	15,590	18,905	20,200	23,300	24,400	
			7191-Gross Pay Adjustment	40,053	49,826	38,265	55,094	44,595	0	
			7192-Sick Pay Buyback	26,586	25,020	34,074	33,644	30,599	36,698	
			7194-Legal Liability	19						
			7197-Reimbursement			(223,478)	(172,773)	(207,025)	0	
			7198-Retroactive Pay	4,758	4,144	11,560	7,783	121,466	0	
			7199-Personal Services-Noc	(10,744)	(5,645)	68,175	62,167	67,427	0	
		75				3,161,347	3,265,179	2,828,988	2,638,821	2,817,758
			7521-City Pension			1,370,855	1,468,657	1,368,943	1,075,125	1,158,622
			7522-State Pension			26,328	26,318	26,071	24,698	64,591
			7532-Employee Hospitalization			1,751,886	1,864,231	1,670,457	1,284,641	1,328,506
			7536-Medicare Tax			104,351	98,947	102,286	114,421	86,551

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
		73		2,016,875	2,374,523	1,783,197	2,042,211	2,032,938	1,845,460	1,885,370
			7311-Office Supplies	38,124	41,950	39,987	41,923	41,777	41,920	42,715
			7314-Books	7,809	4,833	149	7,767	5,681	5,317	5,418
			7315-Minor Office Equipment <\$	4,981	62	7,278	1,847	522	1,847	1,882
			7316-Computer Peripherals < \$5	80,087	35,109	6,433	138,006	59,383	138,006	10,000
			7319-Office Drafting - Noc					59	0	
			7331-Lubricants	6,567	3,522		3,168	7,053	3,267	3,329
			7332-Lumber And Wood Products	9,783	14,863	14,243	10,148	13,459	9,523	9,704
			7333-Masonry And Road Material	467,383	404,944	250,750	281,883	315,515	264,094	269,112
			7334-Structural Metals	4,863	13,558	6,194	8,058	43,336	8,058	8,211
			7335-Paints, Oils & Glass	1,645	2,345	4,641	4,003	4,624	4,003	4,079
			7336-Fiber And Textile Product		967	1,362				
			7337-Coal, Coke, Industrial Ga	1,817	2,398	4,237	3,238	3,310	2,612	2,662
			7338-Petroleum Products	273,991	352,522	351,261	358,019	362,990	358,011	364,813
			7341-Medical And Surgical Supp	5,628	7,897	14	15,595	14,180	15,595	15,891
			7344-Insecticide And Pesticide	548	1,511	1,033	1,844	5,404	1,902	1,938
			7357-Ice Control	4,409	4,406	380	2,132	6,109	1,397	1,424
			7359-Chemicals - Noc	20,885		23,858	7,152	10,439	20,000	20,380
			7361-Mechanical And Plant Supp	201,862	417,937	370,076	339,775	275,628	334,684	341,043
			7362-Tools And Testing Instrum	84,261	80,151	125,145	103,427	107,879	85,215	86,834
			7363-Engineering & Scientific	8,746	100	13,878				
			7364-Wearing Apparel	80,138	100,374	95,535	186,381	79,324	82,785	99,835
			7366-Training Aids	359			750	11,550	430	438
			7367-Data Processing Software					64,813	0	
			7369-Tecnical Supplies & Tools	7,648	16,681	3,736	37,510	4,109	37,510	38,223
			7371-Cleaning Supplies	10,010	14,164	7,480	7,196	10,659	5,865	5,976
			7372-Household And Lavatory Su	32,496	35,160	42,526	53,361	46,722	51,239	52,213
			7373-Horticulture Supplies	14,224	14,366	9,900	17,685	10,627	16,314	16,624
			7376-Traffic Control Supply	32,401	18,853	6,207	7,390	39,428	6,910	7,041
			7379-Sundry Supplies - Noc	31,657	3,276	12,224	7,406	10,911	7,301	7,440
			7381-Household And Office Furn							120,000
			7382-Office Machine Parts	100						
			7383-Technical Equipment Parts	107,490	172,465	165,097	188,292	199,954	169,213	172,428
			7384-Communication Equipment P	6,608	5,258	2,647	1,318	398	850	866
			7385-Automotive Equipment Part	23,078	65,321	22,207	33,729	49,148	32,436	33,052
			7386-Pipes Valves & Fittings >	103,901	119,483	101,312	138,805	169,138	123,734	126,085
			7388-Fire Hydrant Parts	167,459	396,777	32,031	16,411	10,881	0	
			7391-Plumbing Machinery Parts	10,367	12,087	37,370	6,367	13,338	6,367	6,488
			7392-Electrical Machinery Part	17,301	1,643	9,632	2,811	171	2,811	2,864
			7398-Building Equipment Parts	1,069	94	12,989	8,792	26,046	6,221	6,339
			7399-Parts & Fittings - Noc	147,178	9,447	1,385	23	8,373	23	23

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
		74		2,560,501	2,825,262	45,163	127,869	66,798	123,406	125,750
			7413-Machinery & Equip W/O Ope		1,972	1,438		1,383	540	
			7415-Office Machinery Rent	15,179	18,822	17,200	22,700	16,061	19,350	19,717
			7418-Software & License Fees		992	1,021	1,034		11,310	1,054
			7419-Rent - Noc	4,507	3,783	3,552	3,071	8,530	4,000	3,052
			7425-Workers' Compensation Ins	29,189	63,806					
			7431 PENSION AND RETIREMENT CONTRIBUTION (prior to 2012)	2,421,421	2,628,346					
			7434-Tuition Reimbursement	68,489	74,629	4,639	4,590	8,010	4,590	4,677
			7452-Subscriptions & Membershi	2,507	2,237	6,653	3,498	2,373	3,498	3,564
			7455-Judgments - Property-Clai	19,208	30,674	10,661	92,976	30,442	80,118	93,686
460-	MSD Ind Waste			4,870,579	5,354,370	4,421,652	4,683,881	4,659,799	5,082,690	7,063,758
	Personnel			2,661,146	2,729,385	3,552,695	3,591,412	3,343,959	3,705,020	4,721,888
		71		2,661,146	2,729,385	2,426,722	2,413,792	2,344,040	2,677,527	3,306,660
			7111-Regular Hours	2,200,282	2,107,225	1,961,774	1,886,921	1,818,222	2,225,444	3,259,231
			7112-Sick Pay	69,316	77,678	46,170	79,106	81,994	0	
			7113-Vacation Pay	166,519	174,445	166,132	160,807	149,422	0	
			7114-Compensatory Time Used	28,973	22,126	24,921	21,258	10,940	0	
			7115-Donated Time		9,746	1,477	6,879			
			7118-Personal With Pay	606						
			7121-Overtime	51,396	54,104	47,303	63,338	44,975	88,410	44,975
			7129-Disaster Overtime				113			
			7151-Birthday Holiday	7,756	6,921	9,091	8,102	6,103	0	
			7153-Holiday	94,732	91,819	86,251	80,322	76,233	0	
			7155-Jury Duty		2,440	2,035	1,381	1,038	0	
			7157-Training			4,248	15,701	27,793	0	
			7158-Union Time	1,019	7,614	11,885	9,684	1,241	0	
			7161-Longevity		8,575	3,838	3,158	2,454	3,600	2,454
			7171-Lump Sum Payment	10,110	104,643	14,227	26,231	14,478	321,233	
			7182-Deferred Comp Match	9,500	9,000	8,625	8,650	10,180	13,000	
			7191-Gross Pay Adjustment	561	17,213	16,433	10,399	5,103	0	
			7192-Sick Pay Buyback	17,287	15,476	18,507	21,332	16,089	25,840	
			7197-Reimbursement					30,296	0	
			7198-Retroactive Pay	2,565	18,888	3,139	10,222	46,855	0	
			7199-Personal Services-Noc	525	1,470	665	185	624	0	
		75				1,125,972	1,177,620	999,919	1,027,493	1,415,228
			7521-City Pension			480,084	500,775	445,253	489,753	582,563
			7522-State Pension			11,750	12,040	12,002	11,261	32,176
			7532-Employee Hospitalization			508,835	551,256	446,679	442,821	667,968
			7536-Medicare Tax			31,777	30,899	29,263	44,253	43,114
			7537-AFSCME Dental/Vision			17,723	16,129	13,661	35,955	21,836
			7538-Management Dental/Vision			20,536	21,984	11,087	0	20,523

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7539-Management Life Insurance			2,504	2,436	2,139	3,450	2,830
			7541-Workers Comp			49,129	40,450	19,481	0	40,011
			7548-Reimbursement					15,530	0	
			7549-Fringes			3,635	1,651	4,822	0	4,207
	Non-Personnel			2,209,433	2,624,985	868,958	1,092,470	1,315,840	1,377,670	2,341,870
	72			762,840	957,682	374,877	609,930	773,083	821,240	1,672,390
			7211-Postage		538		806	2,302	807	818
			7212-Telephone	22,838	21,732	22,557	22,205	23,164	25,238	26,914
			7213-Travel Expense Local	1,268	105	350	125	723	0	2,000
			7214-Travel Expense Non-Local	21,250	20,793	9,738	7,850	13,290	24,580	35,099
			7215-Training	5,844	13,960	4,364	10,609	6,957	14,240	74,647
			7232-Printing And Other Repro		33			211	0	
			7234-Advertising Of Legal Noti	2,197	2,308	3,026	2,476	2,736	2,500	2,548
			7241-Gas	50,512	28,844	30,240	31,670	38,926	32,500	33,183
			7246-Sewerage Service Charges	12,379	10,696	9,498	9,209	8,495	8,800	8,985
			7247-Water Meter Service	4,134	3,185	2,829	2,732	2,092	2,400	2,450
			7248-Power		190,000					
			7249-Utility Service - Noc		811					
			7252-Office Machines		484				910	930
			7253-Technical Repairs	47,775	95,870	40,846	39,342	93,017	98,827	100,705
			7254-Automotive By Municipal G	9,069	11,846	20,632	12,518	8,704	14,898	15,234
			7257-Pumping MacHinery		(2,378)	227	1,008			
			7258-Building Repairs- Equipme	58,721	54,805	54,878	57,028	55,132	54,000	55,135
			7269-Building-Structure Repair				1,962			
			7271-Building Cleaning	9,285	45,197		15,756	35,695	15,800	16,132
			7273-Disinfecting-Exterminatin			600			1,200	1,225
			7279-Cleaning-Waste Removal -	3,802	3,894	3,348	7,492	16,489	7,100	19,200
			7287-Data Processing By ETS				1,258			
			7289-Expert Services-Noc	304,397	244,508	35,788	201,190	235,090	211,735	200,000
			7291-Tests - Miscellaneous				137,698	173,808	100,000	234,900
			7297-Temporary Personnel Servi				2,734	19,860	21,000	59,285
			7299-Sundry Contractual Servic	209,371	210,450	135,958	44,261	36,393	184,705	783,000
	73			444,879	559,048	476,343	463,101	527,236	540,000	651,400
			7311-Office Supplies	8,786	16,922	12,727	8,647	14,197	10,005	13,224
			7313-Photographic Supplies			340				
			7314-Books	271				897	1,760	1,801
			7315-Minor Office Equipment <\$		371			125	0	
			7319-Office Drafting - Noc			50				
			7331-Lubricants					110	0	
			7332-Lumber And Wood Products						0	
			7334-Structural Metals				21	84	0	

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7335-Paints, Oils & Glass		1,210	33	169	75	0	
			7337-Coal, Coke, Industrial Ga	26,737	19,534	19,790	29,120	14,629	26,400	26,902
			7338-Petroleum Products	20,438	24,671	21,267	16,149	19,499	17,265	17,640
			7341-Medical And Surgical Supp			137	18	11	0	4,000
			7342-Laboratory Supplies	356,909	388,779	339,041	278,712	405,799	380,940	380,236
			7344-Insecticide And Pesticide			76		43	0	
			7359-Chemicals - Noc			30		40	0	
			7361-Mechanical And Plant Supp	1,823	8,560	7,885	13,758	5,071	13,000	13,300
			7362-Tools And Testing Instrum			97		87	0	8,000
			7364-Wearing Apparel	10,238	7,406	14,898	8,363	10,874	8,250	48,457
			7369-Tecnical Supplies & Tools			726		195	0	50,000
			7371-Cleaning Supplies			841	1,754	305	1,810	1,850
			7372-Household And Lavatory Su	747		5,569	1,216	3,226	1,200	1,225
			7373-Horticulture Supplies			4,010	4,853	2,775	3,700	3,780
			7379-Sundry Supplies - Noc	4,846	3,731	2,753	7,088	12	4,300	6,890
			7383-Technical Equipment Parts	14,085	83,412	39,196	90,756	45,285	70,000	72,695
			7387-Pipes Valves & Fittings <					134	0	
			7391-Plumbing Machinery Parts			6,510	2,252	1,497	1,370	1,400
			7392-Electrical Machinery Part			59	227			
			7398-Building Equipment Parts		4,450	307		2,265	0	
			7399-Parts & Fittings - Noc						0	
		74		1,001,714	1,108,255	17,738	19,439	15,521	16,430	18,080
			7415-Office Machinery Rent	2,002	6,222	6,112	6,875	6,916	6,500	6,643
			7425-Workers' Compensation Ins	10,864	26,931					
			7431 PENSION AND RETIREMENT CONTRIBUTION (prior to 2012)	893,330	971,766					
			7434-Tuition Reimbursement	90,864	100,365	7,206	3,630	2,187	3,600	3,668
			7452-Subscriptions & Membershi	4,653	2,972	4,420	8,934	6,418	6,330	7,769
470-	MSD Div P&P Mgm			2,843,968	7,020,061	2,542,238	4,659,730	7,587,097	9,377,000	6,434,474
	Personnel								427,000	506,174
		71							356,970	362,829
			7111-Regular Hours						355,870	362,829
			7182-Deferred Comp Match						1,100	
		75							70,030	143,345
			7521-City Pension						34,903	60,239
			7522-State Pension							2,741
			7532-Employee Hospitalization						31,229	69,075
			7536-Medicare Tax						3,577	3,673
			7537-AFSCME Dental/Vision							1,860
			7538-Management Dental/Vision							1,748
			7539-Management Life Insurance						321	241

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7541-Workers Comp							3,409
			7549-Fringes							359
	Non-Personnel			2,843,968	7,020,061	2,542,238	4,659,730	7,587,097	8,950,000	5,928,300
		72		2,139,289	5,890,169	1,785,230	3,852,681	6,795,557	7,941,910	5,260,000
			7211-Postage				796	282	800	
			7212-Telephone	1,863	1,495	1,126	14,240	3,273	18,660	4,000
			7213-Travel Expense Local						700	1,000
			7214-Travel Expense Non-Local						5,000	7,000
			7215-Training					480	3,900	15,000
			7232-Printing And Other Repro		65		2,686	8,240	6,386	
			7246-Sewerage Service Charges						8,400	30,000
			7247-Water Meter Service				102	62	0	22,000
			7248-Power						91,000	106,000
			7258-Building Repairs- Equipme	17,541	12,698	1,557	4,149	2,079	10,000	
			7259-Equipment Repair - Noc						1,600	40,000
			7269-Building-Structure Repair						0	
			7281-Legal Services	29,090	87,407	90,609	71,017	20,568	71,500	
			7289-Expert Services-Noc	805,432	3,151,378	494,951	2,667,080	6,397,835	6,665,764	3,235,000
			7299-Sundry Contractual Servic	1,285,364	2,637,126	1,196,986	1,092,613	362,738	1,058,200	1,800,000
		73		517	1,455	290	53,712	149,285	150,000	313,300
			7311-Office Supplies	517	1,455	150	237		2,840	1,000
			7314-Books			140				
			7315-Minor Office Equipment <\$						600	600
			7359-Chemicals - Noc						55,600	59,000
			7361-Mechanical And Plant Supp						13,500	35,000
			7364-Wearing Apparel						200	200
			7383-Technical Equipment Parts							199,500
			7386-Pipes Valves & Fittings >				9,375	104,885	48,750	
			7388-Fire Hydrant Parts				44,100	44,400	18,385	
			7392-Electrical Machinery Part						10,125	18,000
			7398-Building Equipment Parts						0	
		74		704,162	1,128,436	756,718	753,337	642,255	858,090	355,000
			7418-Software & License Fees	3,430	3,430	3,430	3,430	3,490	3,429	
			7452-Subscriptions & Membershi					178	307,254	355,000
			7453-Judgments - Property Dama	39,979	6,451	29,860	2,500	190,951	50,000	
			7455-Judgments - Property-Clai	660,753	1,118,555	723,428	747,407	447,637	497,407	
480					3,126,650					5,389,871
	Personnel									435,211
		71								324,514

Dept	Type	App	Obj2	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
			7111-Regular Hours							324,514
		75								110,697
			7521-City Pension							51,568
			7532-Employee Hospitalization							59,129
	Non-Personnel				3,126,650					4,954,660
		72			3,126,650					4,324,660
			7211-Postage							814
			7212-Telephone							14,595
			7215-Training							274
			7232-Printing And Other Repro							6,507
			7258-Building Repairs- Equipme							10,190
			7281-Legal Services							72,858
			7289-Expert Services-Noc		3,126,650					3,139,000
			7299-Sundry Contractual Servic							1,080,422
		73								68,700
			7311-Office Supplies							290
			7386-Pipes Valves & Fittings >							49,676
			7388-Fire Hydrant Parts							18,734
		74								561,300
			7418-Software & License Fees							3,492
			7453-Judgments - Property Dama							50,950
			7455-Judgments - Property-Clai							506,858
490- MSD Debt Serv				72,728,746	77,652,201	80,596,477	89,943,952	96,535,606	106,000,000	111,226,790
	Debt Payment			72,728,746	77,652,201	80,596,477	89,943,952	96,535,606	106,000,000	111,226,790
		77		72,728,746	77,652,201	80,596,477	89,943,952	96,535,606	106,000,000	111,226,790
			7717-Sewer Revenue Bonds	35,368,650	38,654,542	42,595,422	48,095,296	54,862,738	106,000,000	111,226,790
			7727-Sewer Revenue Bonds Inter	37,360,097	38,997,659	38,001,056	41,848,656	41,672,868	0	
944- GFOH				2,471,010	2,311,000	2,074,800	1,937,092	2,886,760	2,500,000	2,900,000
	Non-Personnel			2,471,010	2,311,000	2,074,800	1,937,092	2,886,760	2,500,000	2,900,000
		72		2,471,010	2,311,000	2,074,800	1,937,092	2,886,760	2,500,000	2,900,000
			7287-Data Processing By ETS							123,640
			7295-Overhead Charge	2,471,010	2,311,000	2,074,800	1,937,092	2,886,760	2,500,000	2,776,360
981- Motorized Equip				1,916,897	1,824,344	1,346,722	1,946,162	1,728,451	1,250,000	1,727,000
	Non-Personnel			1,916,897	1,824,344	1,346,722	1,946,162	1,728,451	1,250,000	1,727,000
		76		1,916,897	1,824,344	1,346,722	1,946,162	1,728,451	1,250,000	1,727,000
			7615-Automotive Equipment	1,916,897	1,824,344	1,346,722	1,946,162	1,728,451	1,250,000	1,727,000

Dept	Type	App	Obj	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Budget	2016 Budget Request
982-	Off & Tech Equi			2,534,111	2,576,608	1,291,496	2,157,635	3,247,213	2,160,000	3,637,292
	Non-Personnel			2,534,111	2,576,608	1,291,496	2,157,635	3,247,213	2,160,000	3,637,292
		76		2,534,111	2,576,608	1,291,496	2,157,635	3,247,213	2,160,000	3,637,292
			7626-Computer Equipment> \$5,00		320,000	4,284	74,258	346,597	50,000	2,239,000
			7629-Mach & Equipment - Noc	2,534,111	2,256,608	1,287,212	2,083,377	2,900,617	2,110,000	1,398,292
Grand Total				179,426,501	190,564,361	172,916,772	201,709,999	204,101,050	216,646,258	244,948,452

Appendix B



Real-time
Control Sites



High Rate
Treatment
Facilities



Stormwater
Control
Measures

Watershed Operations Division

2016 OPERATING BUDGET HIGHLIGHTS

Watershed Operations (470) 2016 Operating Budget

The Watershed operations Division (WO) operates and maintains assets built to handle wet weather flow, specifically high-rate treatment facilities, real-time control facilities, and stormwater control measures, with the ultimate objective of optimizing their performance and lowering the total life-cycle cost of ownership.

In addition to optimizing individual asset performance, WO's goal is to operate the watershed in a manner that maximizes the conveyance and treatment capacity of the wastewater system during wet weather. The Wet Weather SCADA system has been constructed for this purpose and it is upon this platform that operational optimization will occur. This means that wet weather assets that interact with the collection system must be operated in a coordinated fashion, similar to the manner in which the collective assets in a treatment plant are operated, however, over a much larger geographical area.

A budget for Watershed Operations was first established in the 2014 fiscal year. Significant work has been done to lower the cost of collecting and providing flow monitoring data and those savings have been used to offset some of the budget increase that would have been necessary to fund Watershed Operations' business requirements. Additionally, some O&M costs previously existed within other operating divisions' budgets.

2016 Budget Highlights

Beginning with the 2016 budget year, the budgets for the Watershed Operations Division and the SBU Program will no longer be represented under the same department code of 470, in order to track and report more effectively on discrete business functions. This also aids in managing the appropriate access to those cost centers in the financial system.

Several key WO budget items are highlighted below under their respective business functions with detailed explanations.

Wet Weather Facilities

WO is responsible for the operation and maintenance of MSD's wet weather assets, specifically:

- SSO 700 Storage and Treatment Facility
- Badgeley Run Real Time Control (RTC)
- Ross Run RTC
- Mitchell Avenue RTC
- Lick Run RTC
- Little Miami RTC
- Daly Road CSO Storage and Treatment Facility
- Muddy-Westbourne CSO Storage and Treatment Facility

The priority for these facilities this year was achieving and maintaining high availability. Work was performed to develop new maintenance strategies for the SSO 700 HRT and the four Mill Creek RTCs and to evaluate past performance. A facility performance report is now generated for each. The 2016 budget includes funding to perform these same activities for the remaining three wet weather facilities.

The key cost components of wet weather facility management are:

Utilities (Power 7248, Sewer 7246 and Water 7247 charges) \$158,000	Utility costs for all wet weather facilities
Expert Services (7289) \$370,000	Operational performance analysis and reporting, and facility availability tracking and trending.
Contract Services (7299) \$25,000	Contract repairs to pumps, instrumentation and control networks, etc.
Contract Services (7299) \$34,000	After hours sample collection and transport for SSO 700 STF to support the water quality monitoring and data analysis at this facility as part of its performance reporting.
Chemicals (7359) \$59,000	Chemical supplies necessary for the chemically enhanced treatment and disinfection of wet weather flows at SSO 700 STF and Muddy and Westbourne.
Technical Equipment (7383) \$30,000	Replacement instrumentation, meters, and similar equipment.

Prior to the formation of the Watershed Operations Division these facilities were not specifically managed by any single operating entity. As such, maintenance, operation, and repairs were shared between multiple divisions, where competing priorities of those core businesses did not lend itself to optimal care and operation of these facilities. In addition, they could not reach the full potential for local and basin-wide optimization of their operations when managed separately.

Development of performance metrics while maintaining high asset availability for the wet weather assets is critical in demonstrating overflow reductions from these facilities. Of particular importance are those wet weather assets which are included in the Lower Mill Creek Partial Remedy solution. Performance information also provides insight for operational adjustments or maintenance needs and is crucial to better inform MSD planning and design efforts to ensure that decisions regarding future wet weather facilities incorporate lessons learned.

Remote Monitoring

Watershed Operations provides comprehensive monitoring of the wastewater collection system and the assets that impact it as a service for all MSD users. Remote monitoring data supports operational decisions, using real-time data from critical points to optimize the management of controllable assets, as well as planning and design decisions, providing historical flow and level data from permanent and temporary meters to improve the hydraulic and water quality models. As such, WO acts as a centralized and streamlined provider of all field-generated data, including flow monitoring services.

The key cost components of remote monitoring are:

Expert Services (7289) \$400,000	Provides specialty and data review and analysis services, and programming for QA/QC purposes. Also provides management of remote monitoring activities which include the development and oversight of service contracts for equipment management, data processing, analysis and quality control, providing direction to program support staff, and guiding the selection, installation, and managing of remote field monitoring equipment, telemetry equipment and wireless communication methods.
Contract Services (7299) \$1,600,000	Installation, maintenance, and removal of flow monitors, rain gages, and level sensors in the field. Provides daily data review and monitoring, as well as site closure reports for quality assurance.
Subscription Services (7452) \$214,300	Recurring subscription costs for rain gauge adjusted radar data, data hosting of flow monitoring and precipitation data for review and processing, radio transmission for rain gages, cellular services for data transmission from level sensors and flow meters, and live camera feeds from wet weather facilities.
Technical Equipment (7383) \$349,000	Level sensors and flow monitors, upgrades to and replacement parts for level sensors and flow monitors, miscellaneous parts and supplies such as cabling and connectors.

WO has aggressively pursued ways to reduce the cost of maintaining this equipment. One example is the upgrade of all flow monitors with wireless data transmission which is underway and anticipated to be complete this year. This change, coupled with newly structured maintenance contracts to be in place by the end of this year, is anticipated to reduce annual

maintenance cost of this equipment by 50%. The 2016 budget reflects this reduction. In addition to reducing cost, this change significantly minimizes data loss from equipment failures that previously went undetected between manual downloads.

Stormwater Control Measures

Watershed Operations is responsible for the maintenance and proper operation of MSD’s stormwater control measures (SCMs). These assets include bioretention basins, vegetated swales, permeable pavement, and other landscape features designed to reduce stormwater inflow to the combined sewer system through infiltration, evapotranspiration, and capturing and slowly releasing stormwater. These assets are maintained to preserve function and inspected to evaluate their ability to perform.

Optimal performance of these systems is dependent on an ongoing high level of maintenance and inspection. Lack of proper and timely maintenance compromises the function of the SCM and shortens its lifespan. The systems’ vertical components (soil media and gravel layers) can become clogged with debris and sediment, leading to standing pools of stagnant water. In addition to the public health risk this can pose, SCM assets that are not properly maintained become unsightly and unsafe, and any CSO reduction goals related to the SCM are not be realized.

Since these are living ecosystems, their maintenance extends beyond traditional landscaping activities and requires contractors that are qualified to perform this type of specialized work.

The key cost components of SCM are:

Expert Services (7289) \$50,000	Safety and O&M signage for Stormwater Control Measures.
Contract Services (7299) \$205,000	Contract maintenance for all MSD SCM assets.

Operational Optimization

MSD’s Wet Weather SCADA system was rolled out in 2015 with the initial capability of capturing field data from remote sensors and wet weather facilities, visualizing conditions at both the site-specific and basin-wide levels for the lower Mill Creek and lower Little Miami River, detecting possible high water/dry weather conditions, and predicting flows to the Mill Creek treatment plant. The system allows WO staff to monitor wet weather facilities remotely, which has drastically improved their availability (up-time) and has led to appreciable CSO volume

reductions using our existing assets. By the end of the year, it will capture data from twice as many sensors, produce the regulatory-required overflow reports, fully replace the functionality of the *FlowWorks* system, and provide initial control of the existing wet weather facilities in those basins.

For 2016, coverage expands to include the remainder of the Mill Creek and Little Miami River basins, as well as the lower part of the Muddy Creek basin. Rain gages and river stage data are integrated to all displays, as well as overlays of GIS and radar rainfall information. This provides operators significantly better information on which to base operational decisions and collapses our dependence on proprietary systems like the *Telog Enterprise Service* and *RainView*, which can be phased out the following year. SSO 700 STF and Muddy-Westbourne HRT are added to the remote-controllable wet weather assets within the SCADA system, and the operation of each asset is further optimized based on the full capabilities of the system, reducing operational costs. Lastly, by the end of the year all the components for coordinated control are in place and enabling basin-wide optimization of performance during wet weather, as well as for creation of work orders in Maximo (CMMS) for streamlined, efficient maintenance activities. It is critical that these improvements occur in 2016 to provide the data and systems necessary to inform the Phase II Consent Decree negotiations.

The key cost components of operational optimization are:

Expert Services (7289) \$2,100,000	Maintenance of existing WW SCADA system and build-out to include remainder of Mill Creek, Little Miami and Muddy Creek basins; integration of rain gage and river stage data, radar rainfall and GIS overlays; coordinated control of existing wet weather assets for continued improvement in wet weather operations; and Maximo integration for maintenance best-practices.
Subscription Services (7299) \$140,000	Annual subscription services for cloud hosting of Wet Weather SCADA System.

CSO Control Technology Evaluation

This program is a continuation of work underway to identify and evaluate CSO control technologies that can meet MSD’s consent decree requirements at the lowest cost. We are aggressively seeking out new and emerging CSO control technologies in the areas of alternative disinfection; advanced filtration; state of the art solid and floatables control; and unconventional, in-system storage and control systems. All technologies are given a thorough review based on available, peer-reviewed literature and high quality gray literature, with special emphasis on the evaluation of cost and performance data. If technically sound and has the

potential to provide the required level of control at a lower cost, a technology is piloted to validate the cost-effectiveness of the technology under MSD’s unique operating conditions.

MSD has partnered with the U.S. EPA’s Office of Research and Development in Cincinnati to acquire internationally recognized technical expertise in CSO management and treatment to lead WO’s progressive efforts to uncover and validate new and emerging technologies for application in MSD’s system. An Intergovernmental Personnel Agreement (IPA) between MSD and U.S. EPA has been established to provide WO with this technical expertise.

The key cost component of this activity is:

Expert Services (7289) \$265,000	Covers assignment of a U.S. EPA wet weather specialist and provides support for technology evaluations and demonstrations which include logistics, performance monitoring, data analysis and assessment.
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Work involves comprehensive technology evaluations, reliable cost-effectiveness assessments, and technically sound documentation. For example, WO is currently leading an effort to compare two wastewater disinfectants for use in CSO control. This project is collaboration between U.S. EPA and MSD, with each organization providing both in-kind and financial resources. Specifically, the conventional disinfectant, sodium hypochlorite, is being compared with a new and emerging disinfectant, peracetic acid (PAA). While both chemicals are cost competitive and have been shown to be very effective, PAA is fast acting and exhibits very low post-disinfection residual toxicity. Currently, MSD’s use of sodium hypochlorite for CSO control requires the post-disinfection use of sodium bisulfate to remove residual toxicity. If we can show that PAA is as effective as sodium hypochlorite and there is no need for applying another chemical to control residual toxicity, the cost saving can be great.

Several other CSO control technologies are in various stages of evaluation. Continuation of this progressive program enables MSD to challenge conventional technical wisdom and identify new and emerging technology that can result in significant cost savings while meeting our consent decree requirements.

Appendix C

List if MSD accounts Balance with US Bank as of June, 30, 2015	
US Bank Accounts	06/30/2015
106285001 / HAMILTON CNTY MSD 2006A BOND FD	1,521,099
119833001 / HAMILTON CNTY 2007A MSD BOND FD	1,284,141
12-4960-00B / METROPOLITAN SEWER DIST 2003B	0
12-4960-02 / METROPOLITAN SEWER DIST 2003 BOND	0
12-4961B / METROPOLITAN SWR DIST 1985 REPL IMPV	0
12-4961C / METROPOLITAN SWR DIST SURPLUS AC	309,656,819
12-4961D / METROPOLITAN SWR DIST RESERVE	62,304,196
132798000 / HAMILTON CNTY OH 2009A MSD MAIN AC	0
132798001 / HAMILTON CNTY OH 2009A MSD BOND FD	47,543
133351000 / HAMILTON CNTY OH MSD 2009B MAIN AC	0
133351001 / HAMILTON CNTY OH MSD 2009B BOND FD	1,800,753
144207000 / HAMILTON CNTY OH 2010A MSD BOND FD	387,675
144208000 / HAMILTON CNTY OH 2010B MSD BOND FD	963,707
15-1155 / CROSLY FLD SPTS CMLPX CTY CINT TEE	897,383
205511001 / HAMILTON CO SEWER SYS BDS 2013A BD F	744,888
205511002 / HAMILTON CO SEWER SYS BDS 2013A EXP	0
205511003 / HAMILTON CO SEWER SYS BDS 2013B BD F	15,343,989
205511004 / HAMILTON CO SEWER SYS BDS 2013B EXP	0
212476000 / HAMILTON CO SEWER SYS REV BONDS 2014	0
212476001 / HAMILTON CO SEWER SYS REV BD FD 2014	680,574
212476002 / HAMILTON CO SEWER SYS REV EXP FD2014	0
226790000 / HAMILTON CO MSD 2015A CURRENT ESC FD	0
266997000 / HAMILTON CO SEWER SYS REV BONDS 2015	0
266997001 / HAMILTON CO SEWER SYS REV BD FD 15A	5,623,095
266997002 / HAMILTON CO SEWER SYS REV EXP AC 15A	4,889
786890001 / METROPOLITAN SEWER DIST 2004A BF	0
788812000 / METROPOLITAN SEWER DIST 2005A MAIN	0
788812001 / METROPOLITAN SEWER DIST 2005A BD FD	839
791390001 / HAMILTON CNTY MSD 2005B BD FD	1,601,800
Grand Total	402,863,390