Financial Planning and Capital Investment Plan For Fiscal Year 2020-2041

INTEGRITY

VISION

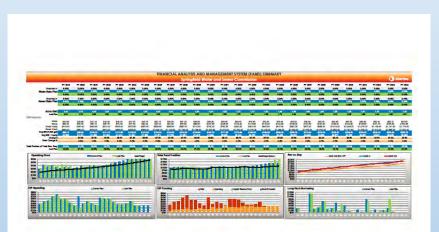
ACCOUNTABILITY



ENVIRONMENT

Budgeting Process

- CIP Requests
- Internal Budgeting Structure & Workshops
- Independent Workshop & Confirmation





What Makes this Budget Different?

- Longer Term Accuracy
- Developmental Progression
- Unprecedented Need for Investment
- Long Term Financial Strategy
- Rate Sensitivity



Changes to CIP Funding Strategy

- Required Largescale Investment
- SRF reserve requirement necessitated evaluation of capital funding strategy
- Elimination of SRF reserve requirement allows for enhanced cash funding
 - ✓ reduces interest expense
 - ✓ improves sustainability of funding

FY 201 Funding Strateg		FY 2020 Funding Strategy Priority			
(1) Bonds	24%	(1) SRF	44%		
(2) SRF	49%	(2) Cash "Paygo"	45%		
(3) Cash "Paygo"	27%	(3) Bonds	11%		



Impact of Elimination of SRF Reserve Requirement

- Funding of SRF reserve requirement had significant impact on rates
- Required full funding from rates in year of issue (2 times annual payments)

Example: SRF Funding Requireme		Example: SRF Funding without Reserve Requirement				
SRF Borrowing	\$100M	SRF Borrowing	\$100M			
Reserve Requirement	\$12M	Reserve Requirement	\$0M			
Reserve Rate Impact	17%*	Reserve Rate Impact	0%			

*Assuming current level of rate revenue (generate \$12 million on ~\$70 million in revenues)



Impacts of Funding Strategy

Changes in funding strategy result in savings of \$128 million

2019 Strategy (\$ millions)

Funding Source	Funding Amount	Reserve Requirement	Interest Expense	Total Cost
Bonds	\$198	\$15	\$114	\$327
SRF Loans	\$404	\$49	\$90	\$543
Cash	\$222	-	-	\$222
Total	\$824	\$49	\$204	\$1,092

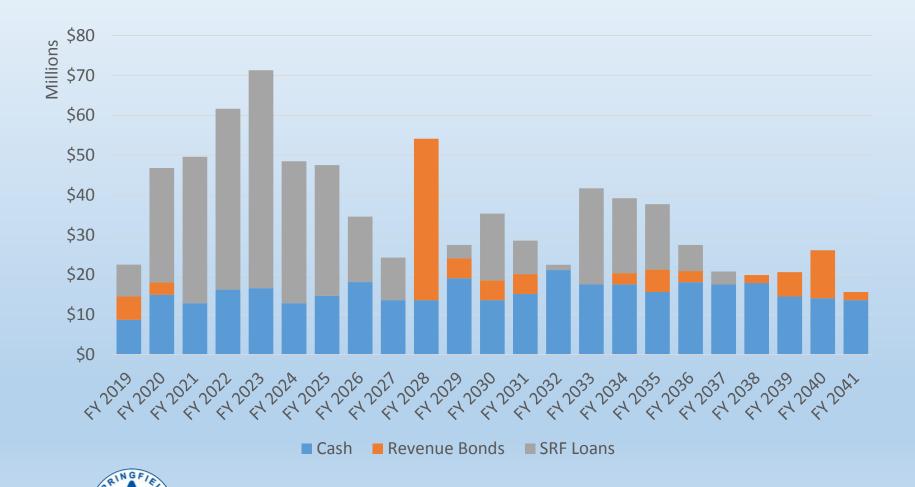
2020 Strategy (\$ millions)

Funding Source	Funding Amount	Reserve Requirement	Interest Expense	Total Cost
Bonds	\$91	\$7	\$52	\$150
SRF Loans	\$363	-	\$80	\$443
Cash	\$371	-	-	\$371
Total	\$824	\$7	\$132	\$964

\$12 Million of existing reserves released



Capital Improvement Plan Funding Assumptions



CIP Sensitivity

CIP Cash-Based Increase	Additional Annual Rate Increase				
\$1M / year	1.4%				
\$2M / year	2.9%				
\$3M / year	4.3%				
\$5M / year	7.1%				
1% increase in rates* = \$700k in additional revenue					

*Assumes adjustment to all rates (retail and wholesale)



Rate Adjustment Forecast

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Water	12.5%	6.0%	6.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Sewer	7.2%	9.0%	9.0%	7.0%	7.0%	6.0%	6.0%	5.5%	5.5%	3.0%	3.0%
Cumulative	9.9%	7.5%	7.5%	6.0%	6.0%	5.5%	5.5%	5.3%	5.3%	4.0%	4.0%
Debt Service Coverage	1.78	1.90	1.53	1.61	1.66	1.56	1.60	1.61	1.92	1.63	1.60

	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041
Water	5.0%	4.0%	4.0%	4.0%	4.0%	4.0%	2.0%	2.0%	3.0%	3.0%	3.0%
Sewer	3.0%	4.0%	4.0%	4.0%	4.0%	4.0%	2.0%	2.0%	3.0%	3.0%	3.0%
Cumulative	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	2.0%	2.0%	3.0%	3.0%	3.0%
Debt Service Coverage	1.63	1.72	1.73	1.84	1.69	1.83	1.80	1.90	1.97	1.95	1.81



Rate History

Fiscal	Reside	ential	Reside	ential	Residential		
Yr	Water	/ ccf	Sewer	/ ccf	Combine	d/ccf	
1990	\$1.09		\$1.23		\$2.32		
1991	\$1.09	0.0%	\$1.23	0.0%	\$2.32	0.0%	
1992	\$0.99	-9.2%	\$1.23	0.0%	\$2.22	-4.3%	
1993	\$0.99	0.0%	\$1.23	0.0%	\$2.22	0.0%	
1994	\$0.99	0.0%	\$1.23	0.0%	\$2.22	0.0%	
1995	\$0.99	0.0%	\$1.23	0.0%	\$2.22	0.0%	
1996	\$0.99	0.0%	\$1.23	0.0%	\$2.22	0.0%	
1997	\$0.99	0.0%	\$1.23	0.0%	\$2.22	0.0%	
1998	\$0.99	0.0%	\$1.23	0.0%	\$2.22	0.0%	
1999	\$0.99	0.0%	\$1.23	0.0%	\$2.22	0.0%	
2000	\$0.99	0.0%	\$1.23	0.0%	\$2.22	0.0%	
2001	\$0.99	0.0%	\$1.23	0.0%	\$2.22	0.0%	
2002	\$1.04	5.1%	\$1.23	0.0%	\$2.27	2.3%	
2003	\$1.09	4.8%	\$1.42	15.4%	\$2.51	10.6%	
2004	\$1.20	10.1%	\$1.59	12.0%	\$2.79	11.2%	
2005	\$1.41	17.5%	\$1.69	6.3%	\$3.10	11.1%	
2006	\$1.48	5.0%	\$1.87	10.7%	\$3.35	8.1%	
2007	\$1.60	8.1%	\$2.01	7.5%	\$3.61	7.8%	
2008	\$1.73	8.1%	\$2.26	12.4%	\$3.99	10.5%	
2009	\$1.87	8.1%	\$2.54	12.4%	\$4.41	10.5%	
2010	\$2.02	8.0%	\$2.86	12.6%	\$4.88	10.7%	
2011	\$2.18	8.0%	\$3.09	8.0%	\$5.27	8.0%	
2012	\$2.29	5.0%	\$3.34	8.1%	\$5.63	6.8%	
2013	\$2.40	4.8%	\$3.64	9.0%	\$6.04	7.3%	
2014	\$2.50	4.2%	\$3.82	4.9%	\$6.32	4.6%	
2015	\$2.66	6.4%	\$4.34	13.6%	\$7.00	10.8%	
2016	\$2.78	4.5%	\$4.56	5.1%	\$7.34	4.9%	
2017	\$2.89	4.0%	\$4.74	3.9%	\$7.63	4.0%	
2018	\$3.01	4.2%	\$4.93	4.0%	\$7.94	4.1%	
2019	\$3.22	7.0%	\$5.32	7.9%	\$8.54	7.6%	
2020	\$3.62	12.5%	\$5.71	7.3%	\$9.33	9.9%	



Rates and CIP Spending

Years	Cumulative Combined Rate Increase	Average Annual Increase	CIP Spending
1990-1999	0.0%	0.0%	Unavailable
2000-2019	140.0%	7.0%	\$ 371.3 Million
2020-2039	72.0%	3.6%	\$ 860.0 Million



FY 2020 Budget

FINANCIAL ANALYSIS AND MANAGEMENT SYSTEM (FAMS) SUMMARY											
Springfield Water and Sewer Commission									Stantec		
	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Override ►	6.00%	12.50%	6.00%	6.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Water Rate Plan	6.00%	12.50%	6.00%	6.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
	6.00%	13.00%	5.00%	5.00%	5.00%	5.00%	5.00%	3.00%	3.00%	3.00%	3.00%
Override ►	9.00%	7.20%	9.00%	9.00%	7.00%	7.00%	6.00%	6.00%	5.50%	5.50%	3.00%
Sewer Rate Plan	9.00%	7.20%	9.00%	9.00%	7.00%	7.00%	6.00%	6.00%	5.50%	5.50%	3.00%
	9.00%	6.80%	9.00%	9.00%	7.00%	6.00%	6.00%	6.00%	6.00%	6.00%	3.00%
All-In DSC	2.01	1.78	1.90	1.53	1.61	1.66	1.56	1.60	1.61	1.92	1.63
Last Plan	2.01	1.78	1.89	1.50	1.58	1.60	1.50	1.55	1.54	1.70	1.62
Bill Impacts											
Water	\$34.95	\$38.95	\$41.15	\$43.45	\$45.45	\$47.55	\$49.75	\$52.15	\$54.65	\$57.25	\$59.95
Sewer	\$53.20	\$57.00	\$62.10	\$67.70	\$72.40	\$77.50	\$82.20	\$87.10	\$91.90	\$97.00	\$99.90
Water Yearly	\$419.40	\$467.40	\$493.80	\$521.40	\$545.40	\$570.60	\$597.00	\$625.80	\$655.80	\$687.00	\$719.40
Sewer Yearly	\$638.40	\$684.00	\$745.20	\$812.40	\$868.80	\$930.00	\$986.40	\$1,045.20	\$1,102.80	\$1,164.00	\$1,198.80
Avg Bill (7,500 gal)	\$88.15 \$1.058	\$95.95	\$103.25	\$111.15	\$117.85	\$125.05	\$131.95	\$139.25	\$146.55	\$154.25	\$159.85
Avg Bill - Yearly Change \$	\$1,058	\$1,151 \$7.80	\$1,239 \$7.30	\$1,334 \$7.90	\$1,414 \$6.70	\$1,501 \$7.20	\$1,583 \$6.90	\$1,671 \$7.30	\$1,759 \$7.30	\$1,851 \$7.70	\$1,918 \$5.60
Rate Change %		9.9%	7.5%	7.5%	6.0%	6.0%	5.5%	5.5%	5.3%	5.3%	4.0%
		0.070	1.070	1.070	0.070	0.070	0.070	0.070	0.070	0.070	1.070
Debt Portion of Total Rev. Req.	23.4%	21.3%	20.6%	24.7%	24.3%	25.9%	27.3%	26.5%	28.0%	28.3%	27.3%
Last Plan	23.4%	21.6%	20.6%	25.9%	26.1%	25.7%	26.9%	26.3%	27.9%	26.4%	27.4%



FY 2020 Budget

- Customer Assistance Program (CAP)
- \$500,000 Funding of OPEB Trust (Proposed \$700,000 FY 2019)
- Conservative Predictions for Interest Income \$1,000,000
- Conservative Predictions for Power Generation \$2,735,000
- Conservative Predictions for Water Service Charges \$2,600,000
- \$3,000,000 to Stabilization Fund



Project Name:

Project ID:

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

Revenue/Reserves



Water Supply





ENVIRONMENT INTEGRITY VISION ACCOUNTABILITY

Project Name:	Land Acquisition
Project ID:	004-003
Project Schedule:	2019-2021
Appropriation Amount:	\$3,293,641
Expended to Date:	\$2,285,641
Project Status:	Active - Tracking 3 properties, recent pending \$300,000 grant
Funding Source:	Revenue/Reserves



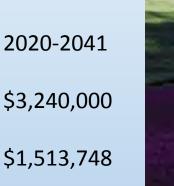
Water Supply

Project Name:

Dam Maintenance Various Locations

Project ID: 004-0007 **Project Schedule:** Appropriation Amount: Expended to Date: **Project Status:**

Funding Source:





Revenue/Reserves





Project Name:	Intake Dam Design
Project ID:	004-0026
Project Schedule:	2020-2041
Appropriation Amount:	\$730,000
Expended to Date:	\$416,752
Project Status:	Active/Reoccurring
Funding Source:	Revenue/Reserves





Project Name:	Cherry Valley Toe Drain
Project ID:	004-0028
Project Schedule:	2037-2038
Appropriation Amount:	\$960,000
Expended to Date:	\$53,053
Project Status:	Active
Funding Source:	Revenue/Reserves





Water Supply

Project Name:

Drought Management Plan Update

Project ID:

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

Sept 2019 completion \$167,700 \$41,991 Active

004-0032

Revenue/Reserves





Water Supply

Project N	Name:
-----------	-------

Cobble Alternative Outlet Evaluation

Project ID:	004-0033
Project Schedule:	Fall 2019
Appropriation Amount:	\$100,000
Expended to Date:	\$0
Project Status:	Active

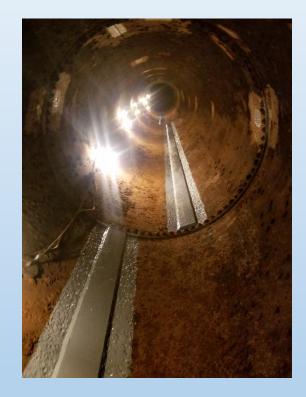


Funding Source:

Revenue/Reserves

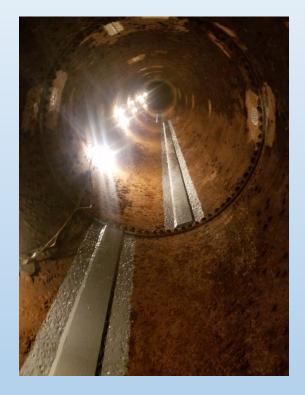


Project Name:	Penstocks Repairs Design
Project ID:	004-0034
Project Schedule:	FY 2023
Appropriation Amount:	\$300,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Revenue/Reserves





Project Name:	Penstocks Repairs Construction
Project ID:	004-0035
Project Schedule:	FY 2024
Appropriation Amount:	\$5,300,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	SRF





Project Name:	Treatment System Assessmer	nt and Design
Project ID:	005-0026	
Project Schedule:	2020-2041	
Appropriation Amount:	\$3,590,000	
Expended to Date:	\$1,113,162	
Project Status:	Active/Reoccurring	
Funding Source:	Revenue/Reserves	



Project Name:	Water Treatment System Improvements
Project ID:	005-0027
Project Schedule:	2020-2041
Appropriation Amount:	\$6,452,975
Expended to Date:	\$1,894,891
Project Status:	Active/Reoccurring
Funding Source:	Revenue/Reserves





Water Supply

Project Name:

42 inch Raw Water Conduit Rehab

Substantial Completion Summer 2019

Project ID:

005-0044

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

\$4,240,000

\$2,189,957

Active

Bond





Project Name:	WPF Redundant/Emergency Power Lines	THE AVER
Project ID:	0005-0049	
Project Schedule:	Substantially Complete/ Final June 2019	
Appropriation Amount:	\$567,000	
Expended to Date:	\$325,311	
Project Status:	Active	- MILL
Funding Source:	Revenue/Reserves	



Water Supply

Project Name:

Treatment Facilities Plan Phase 2

Project ID:

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

005-0050

FY 19 completion

\$760,000

\$536,030

Active

Revenue/Reserves





Project Name:	Slow Sand Purchase
Project ID:	005-0051
Project Schedule:	2019
Appropriation Amount:	\$86,664
Expended to Date:	\$0
Project Status:	Active
Funding Source:	Revenue/Reserves





Water Supply

Project Name:

WPF Buried Chlorine Line Replacements

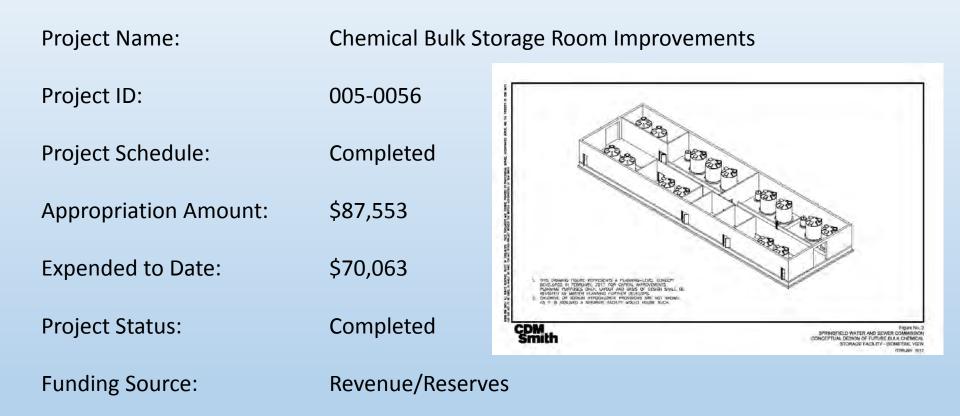
Project ID:	0005-0053
Project Schedule:	2019-2020
Appropriation Amount:	\$652 <i>,</i> 447
Expended to Date:	\$55,099
Project Status:	Active



Funding Source:

Revenue/Reserves







Water Supply

Project Name:

WPF VFDs for Process Water Pumps

Project ID:

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

2019-2020
\$100,000

005-0059

\$6,209

Active

Revenue/Reserves





Project Name:	Laboratory Autoclave Replacement
Project ID:	005-0060
Project Schedule:	Completed
Appropriation Amount:	\$50,000
Expended to Date:	\$9,896
Project Status:	Completed
Funding Source:	Revenue/Reserves





Project Name:	WPF – ACH Bulk Storage Design	
Project ID:	005-0061	
Project Schedule:	2019-2020	
Appropriation Amount:	\$450,000	
Expended to Date:	\$38,206	
Project Status:	Active	
Funding Source:	Revenue/Reserves	





Water Supply

Project N	lame:
-----------	-------

WPF Culvert and Bridge Replacements

Project ID: 005-0063

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

2019-2020 \$1,306,000 \$20,950

Active

Bond





Project Name:	WPF Chlorine Storage	e Room Upgrades
Project ID:	005-0064	
Project Schedule:	2019-2020	
Appropriation Amount:	\$211,000	
Expended to Date:	\$12,492	
Project Status:	Active	
Funding Source:	Revenue/Reserves	



Water Supply

Project Name: WPF Inline Hydro Study Project ID: 005-0065 Project Schedule: 2019-2020 \$100,000 Appropriation Amount: Expended to Date: \$12,500 **Project Status:** Active **Revenue/Reserves** Funding Source:





Water Supply

Project Name:

Clearwell Cover System Design

Project ID:	005-0067
Project Schedule:	2019-2020
Appropriation Amount:	\$100,000
Expended to Date:	\$12,496
Project Status:	Active
Funding Source:	Revenue/Reserves



Project Name:	Inlet Valve and Actuator for SSF 9-10
Project ID:	005-0068
Project Schedule:	2020
Appropriation Amount:	\$84,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Revenue/Reserves





Project Name:	WPF Washwater Tank I	Hydraulics and Level Control
Project ID:	005-0069	
Project Schedule:	2020	
Appropriation Amount:	\$245,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	Revenue/Reserves	



Water Supply

Project Name:

WPF Chemical Filter Cleaning

005-0070 Project ID: Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

2020
\$350,000

Planned

\$0

Revenue/Reserves





Project Name:	WPF Water Quality Process a	nd Facilities Improvement
Project ID:	005-0071	
Project Schedule:	2020	
Appropriation Amount:	\$500,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	Revenue/Reserves	



Project Name:	WPF Facilities Plan Update
Project ID:	005-0072
Project Schedule:	2020
Appropriation Amount:	\$170,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Revenue/Reserves





Water Supply

Project Name:

WPF Bulk Chemical and Chlorine Room Improvements

Project ID:005-0073Project Schedule:2020Appropriation Amount:\$750,000Expended to Date:\$0Project Status:PlannedFunding Source:Revenue/Reserves





Project Name:	WPF Pilot Plant Study
Project ID:	005-0074
Project Schedule:	2020
Appropriation Amount:	\$800,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Revenue/Reserves





Water Supply

Project Name:

SRF Design/Engineer Clearwell and Backwash Pumps

Project ID:005-0075Project Schedule:2020Appropriation Amount:\$1,400,000Expended to Date:\$0Project Status:Planned

Funding Source:







Project Name:	WPF New Clearwell and Backwash Pumps
Project ID:	005-0076
Project Schedule:	2021-2022
Appropriation Amount:	\$16,100,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	SRF





Water Supply

Project Name:

WPF Project 1 60 MGD DAF/Chemical Building Filter Upgrades - Design

Project ID:	005-0100
Project Schedule:	2021-2022
Appropriation Amount:	\$4,751,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Revenue/Reserves





Water Supply

Project Name:

WPF Project 1 60 MGD DAF, Chemical Building Filter Upgrades, Construction

Project ID:	005-0101
Project Schedule:	2023-2025
Appropriation Amount:	\$64,139,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	SRF





Water Supply

rves

Project Name:

WPF Project 2 Filter Building Upgrades, New Lab Building, 72-inch Valve House, Raw Water Mains Design

Project ID:	005-0102
Project Schedule:	2025
Appropriation Amount:	\$1,586,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Revenue/Reser





Water Supply

Project Name:

WPF Project 2 Filter Building Upgrades, New Lab Building, 72-inch Valve House, Raw Water Mains Construction

Project ID:	005-0103
Project Schedule:	2026-2027
Appropriation Amount:	\$21,404,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	SRF





Water Supply

Project Name:	WPF Project 3 Addi Filter Design	tional 20 MGD DAF, Flocculation,
Project ID:	005-0104	
Project Schedule:	2032	
Appropriation Amount:	\$2,737,000	A State of the sta
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	Revenue/Reserves	



סי

Water Supply

Project Name:

WPF Project 3 Additional 20 MGD DAF, Flocculation, Filter Construction

Project ID:	005-0105
Project Schedule:	2033-2035
Appropriation Amount:	\$36,953,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	SRF





Water Supply

Proje	ect N	lame:
-------	-------	-------

Transmission System Assessment and Design

Project ID:

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

06A-0008

Complete

\$2,384,839

\$2,351,173

Active

Revenue/Reserves





Project Name:	Transmission System Rehab	
Project ID:	06A-0014	
Project Schedule:	2020-2041	
Appropriation Amount:	\$2,193,000	
Expended to Date:	\$887,128.43	
Project Status:	Active/Reoccurring	
Funding Source:	Revenue/Reserves	





Project Name:	Nova/Chicopee River	r Crossing Phase 2
Project ID:	06A-0017	
Project Schedule:	2026	
Appropriation Amount:	\$3,000,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	Revenue/Reserves	



Project Name:	Huntington Pump Station Upgrade Electrical	
Project ID:	06A-0019	
Project Schedule:	2019	
Appropriation Amount:	\$245,000	
Expended to Date:	\$220,433	
Project Status:	Active	
Funding Source:	Revenue/Reserves	





Water Supply

Project N	lame:
-----------	-------

Project Schedule:

Expended to Date:

Project Status:

Funding Source:

Appropriation Amount:

Project ID:

Transmission System Vegetation Removal

06A-0033

2020-2041

\$2,600,000

\$400,041

Active/Reoccurring

Revenue/Reserves





Project Name:	Transmission Main Private Service Removal	
Project ID:	06A-0035	
Project Schedule:	2019-2020	
Appropriation Amount:	\$844,932	
Expended to Date:	\$306,025	
Project Status:	Active	
Funding Source:	Revenue/Reserves	and the second second





Project Name:	Provin Mt. Water Storage System Rehab	
Project ID:	080-0013	
Project Schedule:	2019	
Appropriation Amount:	\$300,000	Contract of the Contract of th
Expended to Date:	\$297,780	
Project Status:	Active	
Funding Source:	Revenue/Reserves	and the second sec



Project Name:	Provin Reservoir Tank 2 Roof	Liner Construction
Project ID:	080-0015	
Project Schedule:	2020	
Appropriation Amount:	\$3,000,000	AM 22
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	Bond	



Water Supply

Project Name:

Provin Tank 1 Isolation

Project ID: 080-0016

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

2019-2020 \$331,000 \$34,970

Active

Revenue/Reserves





Project Name:	Provin Reservoir Tanks- Mixers
Project ID:	080-0017
Project Schedule:	2019
Appropriation Amount:	\$120,000
Expended to Date:	\$0
Project Status:	Active
Funding Source:	Revenue/Reserves





Project Name:	Provin Reservoir Tanks 2 Cover Design	
Project ID:	080-0018	
Project Schedule:	2019	
Appropriation Amount:	\$250,000	
Expended to Date:	\$33,907	The all of the
Project Status:	Active	and the second sec
Funding Source:	Revenue/Reserves	



Water Distribution





ENVIRONMENT INTEGRITY VISION ACCOUNTABILITY

Water Distribution

Water Services Mapped GIS

Project ID:06B-0007Project Schedule:2019Appropriation Amount:\$110,000Expended to Date:\$20,744Project Status:Active

Nov. 15-1948-M.J.S.

Funding Source:

Project Name:

Revenue/Reserves

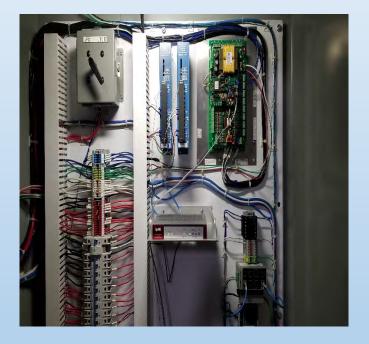


Water Distribution

Project Name:

Booster Station & SCADA Improvements

Project ID:	06B-0008
Project Schedule:	2019-2020
Appropriation Amount:	\$90,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Revenue/Reserves





Water Distribution

Project Name:

Project ID:

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

Distribution System Rehab

626-000-12B-0005

2020-2041

\$10,500,000

\$2,270,000

Active/Reoccurring

Revenue





Water Distribution

Project Name:	Hydrant Project
Project ID:	626-000-12B-0036
Project Schedule:	2020-2041
Appropriation Amount:	\$4,600,000
Expended to Date:	\$2,420,000
Project Status:	Active/Reoccurring
Funding Source:	Revenue





Water Distribution

Project Name:

Distribution System Assessment & Design

Project ID: 12B-0040

Project Schedule:

Appropriation Amount:

Expended to Date:

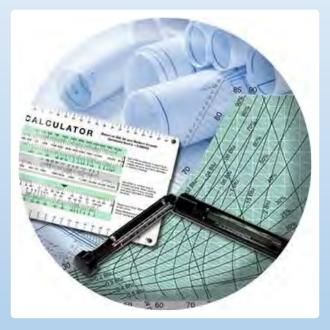
Project Status:

Funding Source:

2020-2041 \$3,709,212 \$1,336,810

Active/Reoccurring

Revenue/Reserves





Water Distribution

Project Name:	Central & Hickory Water Main Replacement
Project ID:	12B-0070
Project Schedule:	2019-2020
Appropriation Amount:	\$2,100,000
Expended to Date:	\$206,068
Project Status:	Active
Funding Source:	Bond



Water Distribution

Project Name:	Distribution System Main Replacement 17-18
	Construction Season

Project ID: 12B-2018

Project Schedule: 2019

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

\$2,652,115 \$2,232,737 Active

Bond





Water Distribution

Project Name: Distribution System Main Replacement 18-19 Construction Season

Project ID:	12B-2019
Project Schedule:	2019-2020
Appropriation Amount:	\$1,800,000
Expended to Date:	\$175,539
Project Status:	Active
Funding Source:	Bond





Water Distribution

Project Name:

Distribution System Main Replacement 19-20 Construction Season

Project ID:	12B-2020
Project Schedule:	2019-2021
Appropriation Amount:	\$1,750,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Revenue/Reserves





Water Distribution

Project Name:

Distribution System Main Replacement 20-21 Construction Season

Project ID:	12B-2021
Project Schedule:	2020-2022
Appropriation Amount:	\$1,250,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Revenue/Reserves





Water Distribution

Project Name:

Distribution System Main Replacement 21-22 Construction Season

Project ID:	12B-2022
Project Schedule:	2021-2023
Appropriation Amount:	\$1,250,000
Expended to Date:	\$0
Project Status:	Planned

Funding Source:

Revenue/Reserves



Water Distribution

Project Name:	Distribution System Main Repla Construction Season	icement 22-23
Project ID:	12B-2023	
Project Schedule:	2022-2024	
Appropriation Amount:	\$4,250,000	
Expended to Date:	\$0	
Project Status:	Planned	AR INT ANTANAN IN PREMA
Funding Source:	Revenue/Reserves	



Water Distribution

Project Name:	Distribution System Main Replacement Construction
Project ID:	12B-2024
Project Schedule:	2023-2041
Appropriation Amount:	\$76,500,000
Expended to Date:	\$0
Project Status:	Planned/Reoccurring
Funding Source:	Revenue/Reserves



Water Distribution

Project Name:

Meter Replacement Project

Project ID:

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

070-0006 2020-2041 \$22,600,000 \$9,600,000 Active/Reoccurring

Revenue





Wastewater Treatment





ENVIRONMENT INTEGRITY VISION ACCOUNTABILITY

Project Name:	Wastewater Treatment Improveme	nts
Project ID:	001-0007	
Project Schedule:	2020-2041	
Appropriation Amount:	\$8,854,925	
Expended to Date:	\$3,080,397	
Project Status:	Active/Reoccurring	
Funding Source:	Revenue/Reserves	





Project Name:	Wastewater Treatme	nt O&M Evaluation
Project ID:	001-0009	
Project Schedule:	2020-2021	
Appropriation Amount:	\$2,000,000	
Expended to Date:	\$32,539	m Al
Project Status:	Active	
Funding Source:	Revenue/Reserves	





Wastewater Treatment

Project Name:

SRWTF Electrical Distribution Sys Upgrade Phase II

Project ID:

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

001-0011 2025-2026 \$3,500,000 \$0

Planned

Revenue/Reserves





Project Name:	Wastewater Regulatory Compliance
Project ID:	001-0012
Project Schedule:	2020-2041
Appropriation Amount:	\$2,724,000
Expended to Date:	\$281,091
Project Status:	Active/Reoccurring
Funding Source:	Revenue/Reserves





Project Name:	Biosolids & Reusable Study
Project ID:	001-0013
Project Schedule:	2019
Appropriation Amount:	\$344,771
Expended to Date:	\$283,874
Project Status:	Active
Funding Source:	Revenue/Reserves





Project Name:	Electrical System Improvements
Project ID:	001-0014
Project Schedule:	2021-2023
Appropriation Amount:	\$2,220,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Revenue/Reserves



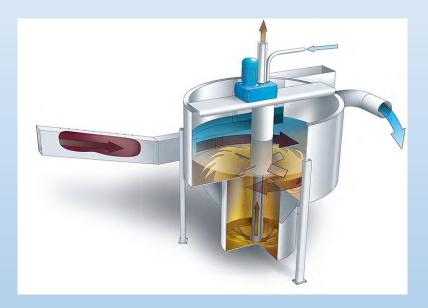


Project Name:	Step Feed Gate Actuators
Project ID:	001-0015
Project Schedule:	2022-2023
Appropriation Amount:	\$485,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Revenue/Reserves





Project Name:	Grit Removal System Improvements	
Project ID:	001-0016	
Project Schedule:	2022-2024	
Appropriation Amount:	\$26,530,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	SRF	





Wastewater Treatment

Project Name: 66" Line Access Structure

Project ID: 001-0017 **Project Schedule: Appropriation Amount:** Expended to Date: \$0 **Project Status:**

Funding Source:

2023-2024 \$640,000 Planned

Revenue/Reserves





Project Name:	Primary Clarifier Upgrade	
Project ID:	001-0018	
Project Schedule:	2024-2026	
Appropriation Amount:	\$12,440,000	
Expended to Date:	\$0	CHARACK L
Project Status:	Planned	
Funding Source:	SRF	





Wastewater Treatment

Project Name:	Ventilation Rehabilitation
Project ID:	001-0019
Project Schedule:	2022-2023
Appropriation Amount:	\$780,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Revenue/Reserves



Grit & Screenings Building



Wastewater Treatment

Project Name:	SRF Design & Engineering	g
Project ID:	001-0025	
Project Schedule:	2020-2041	
Appropriation Amount:	\$23,910,000	
Expended to Date:	\$0	
Project Status:	Planned	ма
Funding Source:	Revenue/Reserves	CLE



CLEAN WATER TRUST



Project Name:	Aeration System Upgrade	
Project ID:	001-0026	
Project Schedule:	2024-2026	
Appropriation Amount:	\$10,388,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	SRF	





Wastewater Treatment

System Upgrade

Project Name:	Return Sludge
Project ID:	001-0029
Project Schedule:	2029-2031
Appropriation Amount:	\$33,400,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	SRF





Wastewater Treatment

Project Name:

Dewatering System Improvements

Project ID:001-0030Project Schedule:2031-2034Appropriation Amount:\$6,150,000Expended to Date:\$0Project Status:Planned

Funding Source:





Project Name:	Disinfection System Upgrades	
Project ID:	001-0031	
Project Schedule:	2032-2033	
Appropriation Amount:	\$1,483,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	Revenue/Reserves	





Project Name:	Effluent Pumping System Upgrades	
Project ID:	001-0032	
Project Schedule:	2036-2037	
Appropriation Amount:	\$2,645,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	Revenue/Reserves	States -





Project Name:	Final Clarifier Improvements	
Project ID:	001-0033	
Project Schedule:	2032-2033	
Appropriation Amount:	\$13,190,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	SRF	





Project Name:	Primary Sludge Pump	Replacement
Project ID:	001-0034	
Project Schedule:	2032-2033	
Appropriation Amount:	\$2,240,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	Revenue/Reserves	





Project Name:	General Administration Building Improvements
Project ID:	001-0035
Project Schedule:	2034-2036
Appropriation Amount:	\$11,192,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Bond



Project Name:	Biological Nutrient R	emoval Process Upgrade
Project ID:	001-0036	
Project Schedule:	2034-2035	
Appropriation Amount:	\$13,090,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	SRF	A STATE OF A





Project Name:	Mechanical Bar Screen Improvements
Project ID:	001-0037
Project Schedule:	2035-2037
Appropriation Amount:	\$13,110,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	SRF





Project Name:	Stormwater Pump Sta	tion Improvements
Project ID:	001-0038	
Project Schedule:	2035-2037	
Appropriation Amount:	\$411,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	Revenue/Reserves	





Project Name:	Sludge Dewatering Upgrade
Project ID:	001-0039
Project Schedule:	2036-2037
Appropriation Amount:	\$4,900,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Revenue/Reserves





Project Name:	RTO Upgrade
Project ID:	001-0040
Project Schedule:	2038-2040
Appropriation Amount:	\$20,000,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Bond





Wastewater Treatment

Project Name: Chlorine Gas System Upgrade Project ID: 001-0041 **Project Schedule:** 2039-2041 \$6,110,001 Appropriation Amount: Expended to Date: \$0 Planned **Project Status:** Funding Source: Bond





Wastewater Collection System





ENVIRONMENT INTEGRITY VISION ACCOUNTABILITY

Wastewater Collection System

Project Name:	Pump Station Improvements
Project ID:	002-0009
Project Schedule:	2020-2041
Appropriation Amount:	\$350,000
Expended to Date:	\$132,519
Project Status:	Active/Reoccurring
Funding Source:	Revenue/Reserves





Project Name:	Flood Control Pump Station Improvements
Project ID:	003-0014
Project Schedule:	2020-2041
Appropriation Amount:	\$2,725,000
Expended to Date:	\$1,974,965
Project Status:	Active/Reoccurring
Funding Source:	Revenue/Reserves





Project Name:	CT River Crossing & York St Pump Station	
Project ID:	003-0029	
Project Schedule:	2020-2022	
Appropriation Amount:	\$100,000,000	
Expended to Date:	\$1,355,707	
Project Status:	Active	
Funding Source:	SRF	



Project Name:	Wastewater Reporting & Regu	latory Compliance
Project ID:	003-0040	
Project Schedule:	2020-2041	UNITED STATES
Appropriation Amount:	\$901,000	NCY C
Expended to Date:	\$196,177	AGENC
Project Status:	Active/Reoccurring	THE TON
Funding Source:	Revenue/Reserves	AL PROTECT



Project Name:	Construction Manager @ Risk Pro	ogram (CMAR)
Project ID:	003-0041	
Project Schedule:	2019	
Appropriation Amount:	\$360,000	
Expended to Date:	\$354,920	
Project Status:	Active	
Funding Source:	Revenue/Reserves	



Project Name:	CSO Monitoring & Reporting
Project ID:	003-0042
Project Schedule:	2020-2021
Appropriation Amount:	\$350,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Revenue/Reserves





Project Name:	Collection System Design
Project ID:	12A-0018
Project Schedule:	2020-2041
Appropriation Amount:	\$10,123,000
Expended to Date:	\$5,503,312
Project Status:	Active/Reoccurring
Funding Source:	Revenue/Reserves





Wastewater Collection System

Project Name:	Collection System Cleaning & Assessment	
Project ID:	12A-0024	
Project Schedule:	2020-2041	
Appropriation Amount:	\$33,850,000	
Expended to Date:	\$6,170,293	
Project Status:	Active/Reoccurring	
Funding Source:	Revenue/Reserves	





Project Name:	Collection System Re	hab/Replacement
Project ID:	12A-0039	
Project Schedule:	2020-2041	
Appropriation Amount:	\$1,956,000	
Expended to Date:	\$249,600	
Project Status:	Active/Reoccurring	
Funding Source:	Revenue	





Wastewater Collection System

Project Name:

Easement Clearing

Project ID:

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

12A-0068 2020-2041 \$910,063

\$671,867

Active/Reoccurring

Revenue/Reserves





Project Name:	Locust Transfer-Construction
Project ID:	12A-0071
Project Schedule:	2023
Appropriation Amount:	\$20,000,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	SRF





Project Name:	Sewer Rehabilitation 17-18 Construction Season
Project ID:	12A-2018
Project Schedule:	2019
Appropriation Amount:	\$2,311,000
Expended to Date:	\$2,152,241
Project Status:	Active
Funding Source:	Bond



Project Name:	Sewer Rehabilitation
Project ID:	12A-2019
Project Schedule:	2020-2024
Appropriation Amount:	\$2,260,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Bond





Project Name:	Sewer Rehabilitation	19-20 Construction Season
Project ID:	12A-2020	
Project Schedule:	2019-2021	
Appropriation Amount:	\$1,750,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	Revenue/Reserves	



Project Name:	Sewer Rehabilitati	on 20-21 Construction Season
Project ID:	12A-2021	
Project Schedule:	2020-2022	
Appropriation Amount:	\$2,300,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	Revenue/Reserves	5





Wastewater Collection System

Project	Name:	

Project ID:

Sewer Rehabilitation 21-22 Construction Season

12A-2022

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

2021-2023 \$1,500,000

\$0

Planned

Revenue/Reserves





Project Name:	Sewer Rehabi	litation 22-23 Construction Season
Project ID:	12A-2023	
Project Schedule:	2022-2024	
Appropriation Amount:	\$4,500,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	Revenue/Rese	erves





Project Name:	Sewer Collection Sys	tem Construction
Project ID:	12A-2024	
Project Schedule:	2023-2041	
Appropriation Amount:	\$81,000,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	Revenue/Reserves	



Power Supply





ENVIRONMENT INTEGRITY VISION

ACCOUNTABILITY

Project Name:	Power Supply Equipme	ent Replacement
Project ID:	130-0001	
Project Schedule:	2020-2041	
Appropriation Amount:	\$4,440,000	
Expended to Date:	\$4,325,060	
Project Status:	Active/Reoccurring	
Funding Source:	Revenue/Reserves	



Project Name:	Unit #2 Hydro Generator Overall Design
Project ID:	130-0002
Project Schedule:	2019-2020
Appropriation Amount:	\$200,000
Expended to Date:	\$83,783
Project Status:	Active
Funding Source:	Revenue/Reserves





Power Supply

Project Name: Units 1 and 3 Hydro Generator Overhaul

Project ID: 130-0003

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

\$15,500,000 \$0 Planned

2028-2031

Bond





Project Name:	Transmission Lines 637 Poles Replacement
Project ID:	130-0006
Project Schedule:	2020-2024
Appropriation Amount:	\$1,420,000
Expended to Date:	\$224,732
Project Status:	Active
Funding Source:	Revenue/Reserves





Project Name:	Project A Governors Construction
Project ID:	130-0007
Project Schedule:	2019-2020
Appropriation Amount:	\$1,480,000
Expended to Date:	\$457,742
Project Status:	Active
Funding Source:	Bond





Project Name:	Project A Governors	s & Controls Design
Project ID:	130-0011	
Project Schedule:	2019	
Appropriation Amount:	\$293,108	
Expended to Date:	\$293,108	
Project Status:	Active	
Funding Source:	Revenue/Reserves	



Power Supply

Project Name:

Unit #3 Cooling Water System

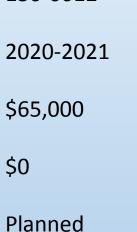
Project ID:130-0012Project Schedule:2020-202

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:



Revenue/Reserves





Project Name:	Broome Gate Repairs
Project ID:	130-0013
Project Schedule:	2020
Appropriation Amount:	\$200,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Revenue/Reserves





Power Supply

Project Name:

Units 1 and 3 Inlet Control Valves and Penstock Repair

Project ID: 130-0014

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

2020-2021

\$958,000

\$0

Planned

Revenue/Reserves





Administration





ENVIRONMENT INTEGRITY VISION ACCOUNTABILITY

Administration

Project Name:

Commission Vehicles

Project ID:

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

090-0005 2020-2041 \$24,421,000 \$9,208,925

Active/Reoccurring

Revenue/Reserves





Administration

Project Name:

Communications Equipment

Project ID:

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

090-0007

2020-2041

\$1,286,000

\$859,510

Active/Reoccurring

Revenue/Reserves





Project Name:	Computers, Servers, Copiers
Project ID:	090-0009
Project Schedule:	2020-2041
Appropriation Amount:	\$2,212,000
Expended to Date:	\$1,807,673
Project Status:	Active/Reoccurring
Funding Source:	Revenue/Reserves





Project Name:	Building and Structure	Improvements
Project ID:	090-0010	
Project Schedule:	2020-2041	
Appropriation Amount:	\$1,489,000	NOD WHER AND SWIRE COMMISSION
Expended to Date:	\$1,364,000	
Project Status:	Active/Reoccurring	
Funding Source:	Revenue/Reserves	



Project Name:	Operating Equipment-	Rolling Stock
Project ID:	090-0011	
Project Schedule:	2020-2041	and the second
Appropriation Amount:	\$12,960,500	I VOLVO
Expended to Date:	\$1,798,629	
Project Status:	Active/Reoccurring	
Funding Source:	Revenue/Reserves	





Project Name:	Information Systems
Project ID:	090-0016
Project Schedule:	2020-2041
Appropriation Amount:	\$3,262,650
Expended to Date:	\$952,063
Project Status:	Active/Reoccurring
Funding Source:	Revenue/Reserves





Project Name:	Utility Cost of Service
Project ID:	090-0020
Project Schedule:	2020
Appropriation Amount:	\$125,000
Expended to Date:	\$0
Project Status:	Active
Funding Source:	Revenue/Reserves





Administration

Project Name:

Facilities Planning & Improvements

Project ID:	090-0021
Project Schedule:	2020-2041
Appropriation Amount:	\$750,000
Expended to Date:	\$306,745
Project Status:	Active
Funding Source:	Revenue/Res



Figure 6 1-2 Superness Preferred Option Detailed Site Play

Revenue/Reserves



Administration

Project Name:

Commission Documentary

Project ID:090-0022Project Schedule:2019-2021Appropriation Amount:\$200,000Expended to Date:\$0Project Status:Active

Funding Source: Revenue/Reserves





Project Name:	Integrated WW Plan Update
Project ID:	090-0023
Project Schedule:	2019
Appropriation Amount:	\$175,000
Expended to Date:	\$49,969
Project Status:	Active
Funding Source:	Revenue/Reserves





Project Name:	WiFi Commission Wid	e
Project ID:	090-0025	
Project Schedule:	2020	
Appropriation Amount:	\$100,000	
Expended to Date:	\$0	
Project Status:	Planned	
Funding Source:	Revenue/Reserves	



Administration

Project Name:

Mill & Locust Intersection Paving

Project ID:

Project Schedule:

Appropriation Amount:

Expended to Date:

Project Status:

Funding Source:

2020	
\$75,000	

090-0026

Planned

\$0

Revenue/Reserves





Project Name:	Unknown Revenue Bond
Project ID:	090-0050
Project Schedule:	2028-2029
Appropriation Amount:	\$40,000,000
Expended to Date:	\$0
Project Status:	Planned
Funding Source:	Bond



Project Name:	CIP Reserve Account
Project ID:	090-1000
Project Schedule:	2020-2041
Appropriation Amount:	\$86,808
Expended to Date:	\$0
Project Status:	Active/Reoccurring
Funding Source:	Revenue/Reserves



