

# 2015/16 Capital Improvement Program Overview

## BPU Study Session, March 19, 2015



# Document Overview

IFAS PID	Key	Project Title	Funding Type	Carryover From 2013/14	2014-15 Budget Request	2014-15 Mid-Year Revisions	See Note [n]	Y.T.D. Expenditures	Current Encumbered	IFAS Current Available 03/17/2015	REQUEST - PROJECTED -					5 YEAR TOTAL		
											YEAR 1 2015/16	YEAR 2 2016/17	YEAR 3 2017/18	YEAR 4 2018/19	YEAR 5 2019/20			
<b>Fund 1614 - WATER CAPITAL FUND</b>																		
1615	55653	Sonoma Ave Aqueduct Coord	CANC	\$3,113.43	\$0	\$0		\$0	\$0	\$3,113.43	\$0	\$0	\$0	\$0	\$0	\$0		
1473	55659	WM Replace: Hahman - Claremont to Sonoma	CANC	\$237,136.14	\$0	-\$235,000		\$615	\$0	\$1,580.97	\$0	\$0	\$0	\$0	\$0	\$0		
232	55660	Slater St - College to Benton Water Service and Ve	CANC	\$59,057.75	\$0	-\$50,000		\$0	\$0	\$9,057.75	\$0	\$0	\$0	\$0	\$0	\$0		
1832	55686	WM Replace: Jennings at SMART	CANC	\$340,249.62	\$0	\$0		\$348,405	\$42,350	-\$50,505.51	\$0	\$0	\$0	\$0	\$0	\$0		
727	55696	Water Services: Stony Point Rd	CO	\$135,310.36	\$0	\$0		\$454	\$0	\$135,456.74	\$0	\$0	\$0	\$0	\$0	\$0		
468	55697	Water Services Replacement: Foley Ave	CO	\$145,409.39	\$0	\$0		\$2,230	\$0	\$143,179.16	\$0	\$0	\$0	\$0	\$0	\$0		
1447	55699	Energy Optimization Plan Project - Water	CO	\$0.00	\$100,000	\$50,000		\$16	\$0	\$149,983.92	\$0	\$0	\$0	\$0	\$0	\$0		
1879	55701	WM Replace: Scott St	CO	\$142,586.19	\$0	\$175,000		\$22,708	\$4,679	\$230,139.63	\$0	\$0	\$0	\$0	\$0	\$0		
1960	55710	Emergency Groundwater Well	CO	\$0.00	\$0	\$300,000		\$3,952	\$0	\$296,047.68	\$0	\$0	\$0	\$0	\$0	\$0		
80	55523	Groundwater Supply Development	CONT	\$4,170,724.78	\$2,000,000	-\$2,300,000	[3]	\$354,862	\$1,366,709	\$1,549,153.73	\$3,000,000	\$700,000	\$3,000,000	\$3,000,000	\$3,000,000	\$12,700,000		
1765	55675	AM/AMR Feasibility Study & Implementation	CONT	\$330,539.75	\$1,200,000	\$0		\$0	\$0	\$1,530,539.75	\$2,680,000	\$2,250,000	\$2,250,000	\$0	\$0	\$7,180,000		
1801	55677	Road Access Stabilization Repairs for R7	CONT	\$130,827.64	\$300,000	\$0		\$10,034	\$255,938	\$224,855.64	\$1,300,000	\$0	\$0	\$0	\$0	\$1,300,000		
1878	55703	WM Replace: Jennings Ave	CONT	\$68,949.18	\$100,000	\$0		\$70,468	\$1,733	\$96,748.40	\$1,300,000	\$0	\$0	\$0	\$0	\$1,300,000		
<b>CIP Water Reserves</b>																		
503	55574	Water Project Contingency	CONT	\$1,536,382.61	\$1,000,000	-\$2,179,244		\$0	\$0	\$357,738.60	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$10,000,000		
<b>Subtotal - Existing Projects and Reserves</b>				<b>\$26,654,691.73</b>	<b>\$9,300,000</b>	<b>\$2,682,839</b>		<b>\$5,499,998</b>	<b>\$7,419,225</b>	<b>\$25,718,307.57</b>	<b>\$6,427,233</b>	<b>\$7,560,000</b>	<b>\$5,395,000</b>	<b>\$5,225,000</b>	<b>\$7,900,000</b>	<b>\$32,507,233</b>		
<b>New Projects</b>																		
1955	55715	Hydropneumatic Tank - S5	NEW								\$500,000	\$0	\$0	\$0	\$0	\$500,000		
1969	55722	Seismic Evaluation of R16 and R17	NEW								\$100,000	\$0	\$400,000	\$0	\$0	\$500,000		
1896	55711	WM Replace: W 6th St at Madison	NEW								\$75,000	\$200,000	\$0	\$0	\$0	\$275,000		
158	55714	WM Replace: Chanate at Mendocino	NEW								\$50,000	\$450,000	\$0	\$0	\$0	\$500,000		
1971	55719	Generator Evaluation of Stations 16, 17 and 18	NEW								\$50,000	\$0	\$400,000	\$0	\$0	\$450,000		

**Funding Type:**

- CANC = Project is expected to be completed by end of current fiscal year
- CONT = Continue project with additional funding
- CO = Carryover project with no additional funding
- NEW = New project with initial funding within five year plan



# Document Overview (cont.)

Investing in our Community



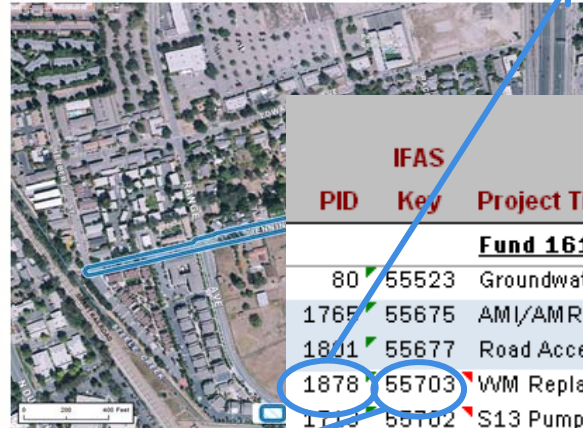
## Jennings Avenue Sewer and Water Replacement - Herbert Street to Cleveland Avenue

Project ID 1878

Continuing

### Project Description:

The steel mains in Jennings Ave from Herbert St to Cleveland Ave will be replaced. The existing steel main has deteriorated due to multiple connections and additional connections will be needed as the area develops. A short 300 feet section of deteriorated 6" diameter asbestos cement pipe sewer will be replaced.



PID	IFAS Key	Project Title	Funding Type	Est
<b>Fund 1614 - WATER CAPITAL FUND</b>				
80	55523	Groundwater Supply Development	CONT	
1765	55675	AMI/AMR Feasibility Study & Implementation	CONT	
1871	55677	Road Access Stabilization Repairs for R7	CONT	
1878	55703	WM Replace: Jennings Ave	CONT	
1713	55702	S13 Pump Station Upgrades - High Fire Severity Zone	CONT	
1707	55708	WM Replace: Oakmont Dr - Riven Rock Ct to SCWA Tu	CONT	
491	55606	R9C Analysis and Decommission	CONT	
702	55596	WM Replace: Exchange and Hinton	CONT	
333	55667	WM Replace: White Oak Drive - Val039 to S13 - HFSZ	CONT	
60	55407	WM Replace: Cleveland Ave - Ridgway to Edwards	CONT	
1936	55707	Miscellaneous Minor Contracts - Water	CONT	
223	55679	WM Replace: Mohawk, Seneca, Yuma	CONT	

**Project Contact:** Andrew Wilt  
**Cumulative Prior Funding:** \$300,000  
**Total 5-Year Funding:** \$1,450,000  
**General Plan Goal/Policy:** Please reference the City of Santa Rosa General Plan for a description of the project. PSF-F-4: Water service infrastructure, PSF-G-2: Maintain wastewater

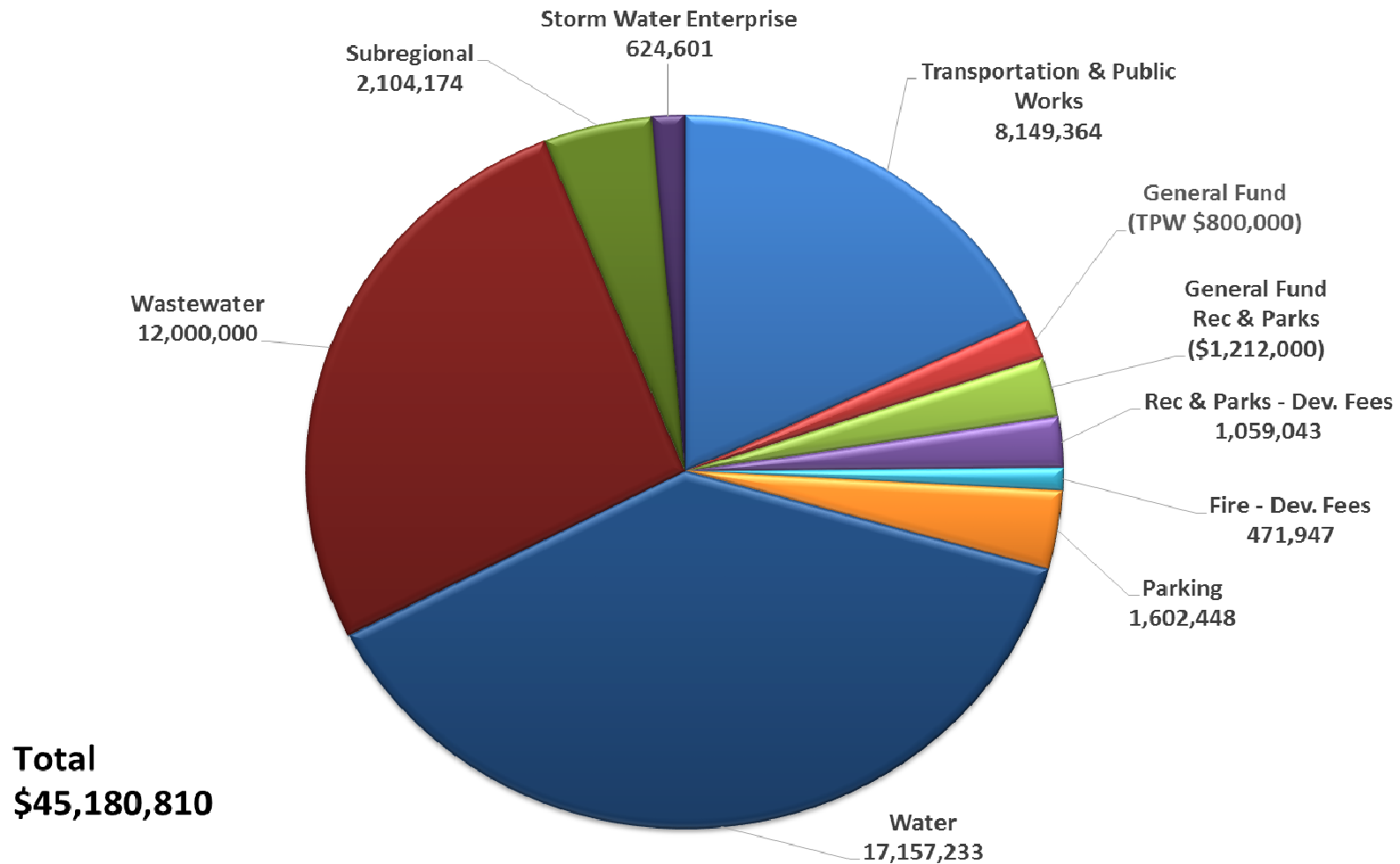
**Estimated Construction:**  
**Estimated Funding After 2019/20:**  
**Total Project Funding:**

Funding Source	Funding Request FY 15/16	Anticipated Request FY 16/17	Anticipated Request FY 17/18	Anticipated Request FY 18/19			
55703 Water Utility Fund	1,300,000 ★	0	0				
70734 Local Wastewater Utility Fund	150,000 ★	0	0	0	0	150,000	0
	\$1,450,000	\$0	\$0	\$0	\$0	\$1,450,000	\$0

For Council Approval      ★ BPU Recommended



# City-wide Funding 2015/16 CIP Budget





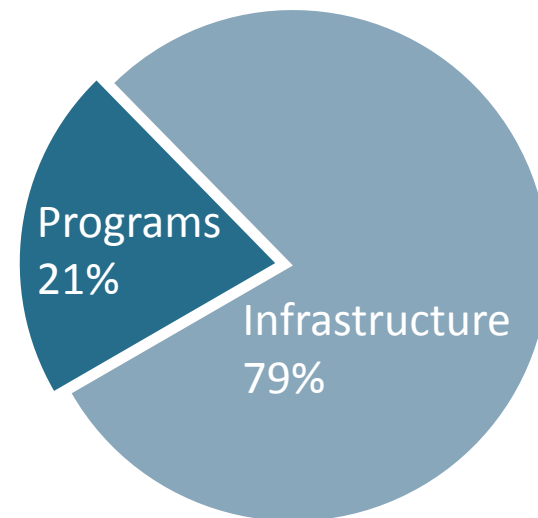
# Projects – Water

## Total 2015/16 Funding

\$17,157,233\*

- Infrastructure and Programs
  - Infrastructure replacements and upgrades are \$13,513,600 or 79% of budget
  - Programs such as Groundwater Supply and Outdoor Peak Reduction are \$3,668,633 or 21% of budget

*Annual funding	\$	13,000,000
Additional 15/16	\$	3,000,000
LRT2-SCWA	\$	1,157,233
<b>Total 2015/16</b>	<b>\$</b>	<b>17,157,233</b>

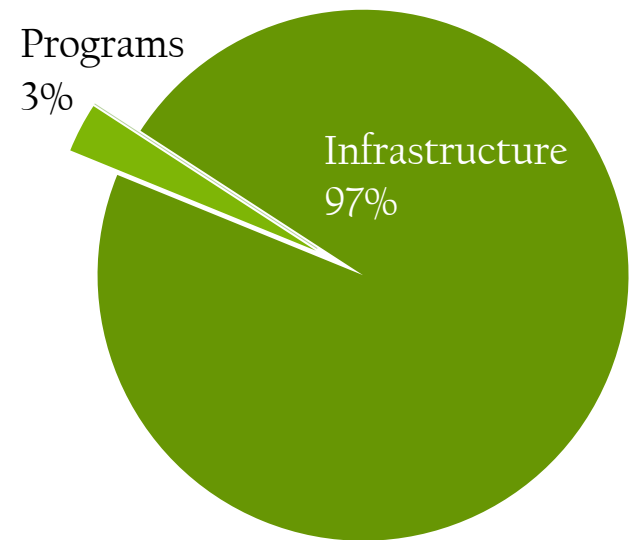


# Projects – Wastewater Total 2015/16 funding

\$12,000,000

## Infrastructure and Programs

- Infrastructure replacements and upgrades are \$11,635,000 or 97% of budget.
- Programs such as Sewer Master Plan and Indoor Water Conservation are \$365,000 or 3% of budget.

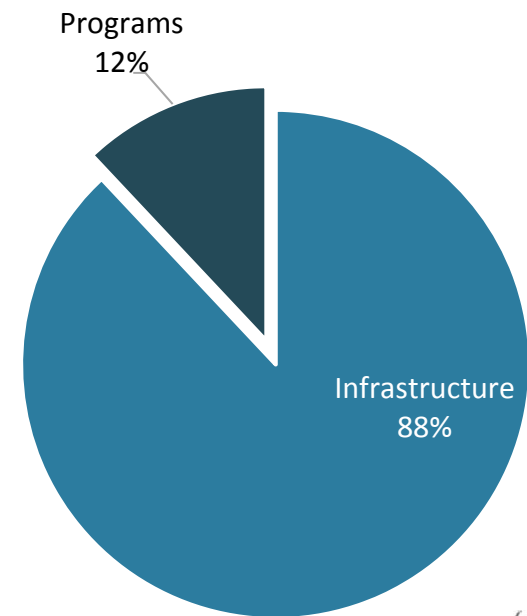


# Projects – Subregional Total 2015/16 funding

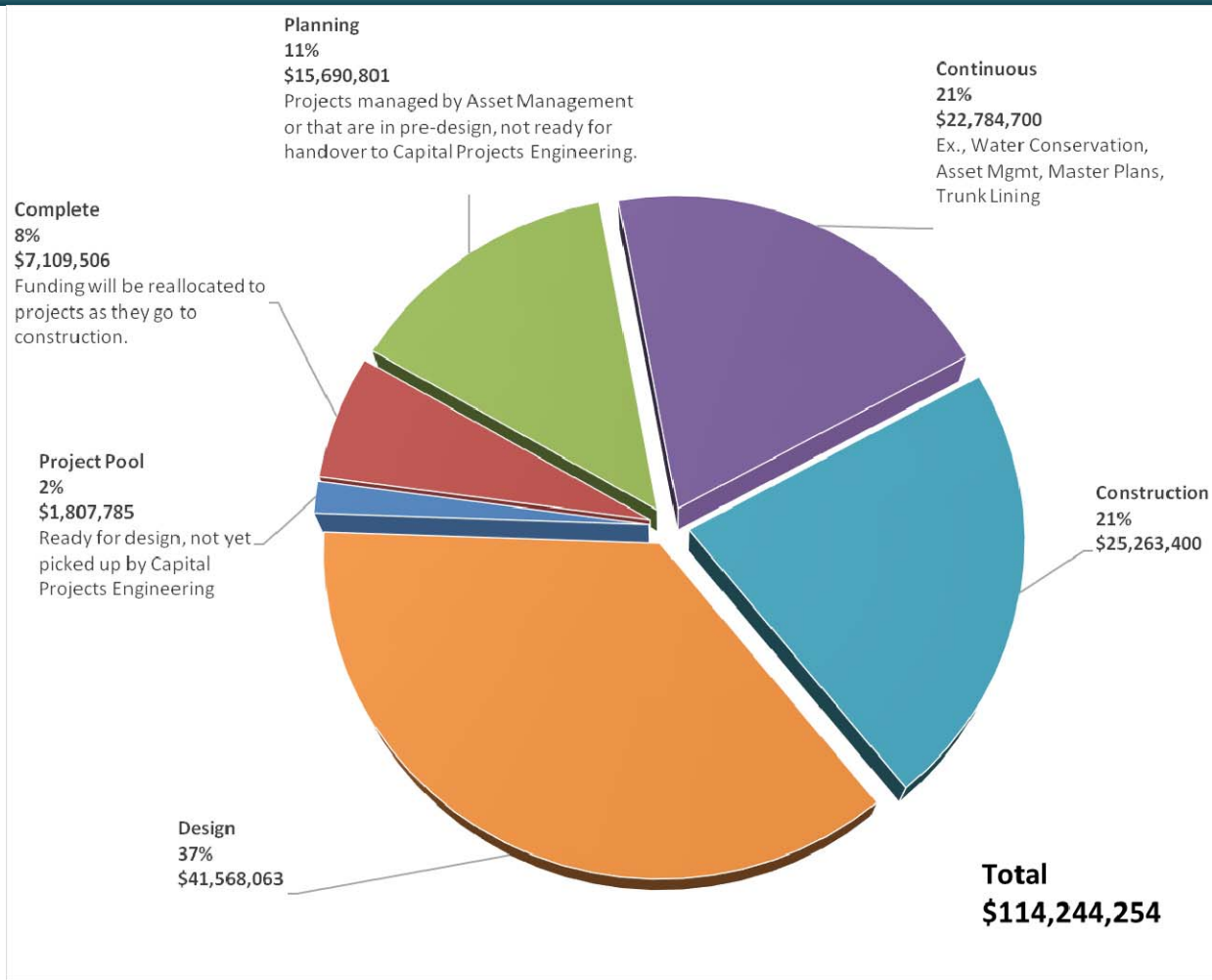
\$2,100,000

## Infrastructure and Programs

- Infrastructure replacements and upgrades are \$1,874,174 or 88% of budget.
- Programs such as Subregional Master Plan and Permit Compliance are \$250,000 or 12% of budget.



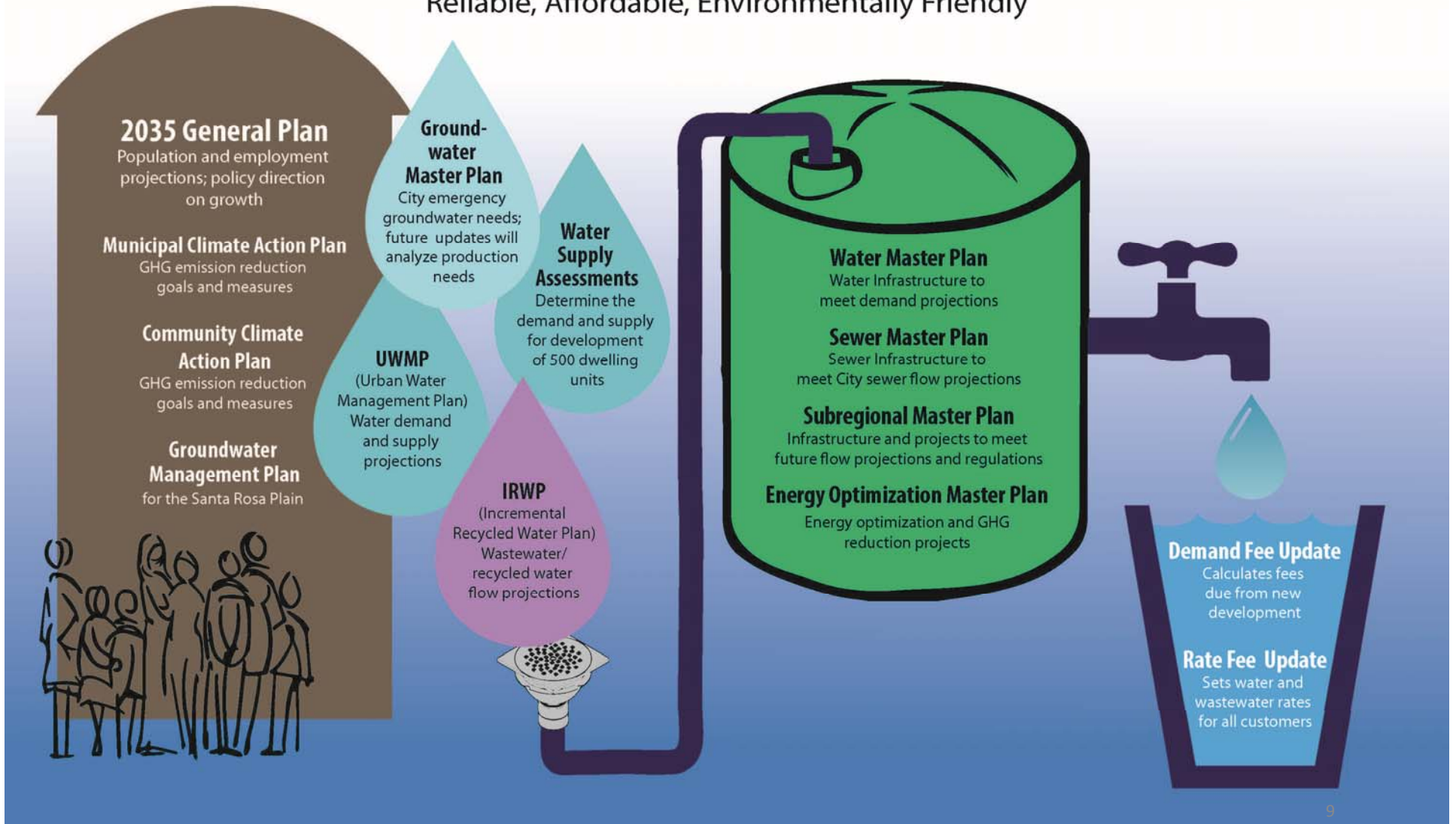
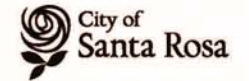
# Distribution of Appropriated CIP Funds as of March 13, 2015





# Planning for Our Water Future

Reliable, Affordable, Environmentally Friendly



# Santa Rosa Water – Assets



619 Miles of Water Mains  
589 Miles of Sewer Main



23 Reservoirs



12,113- Sewer Manholes



20 Pump Stations  
17 - Sewer Lift Stations



28,634 Water Valves



6,269 - Hydrants

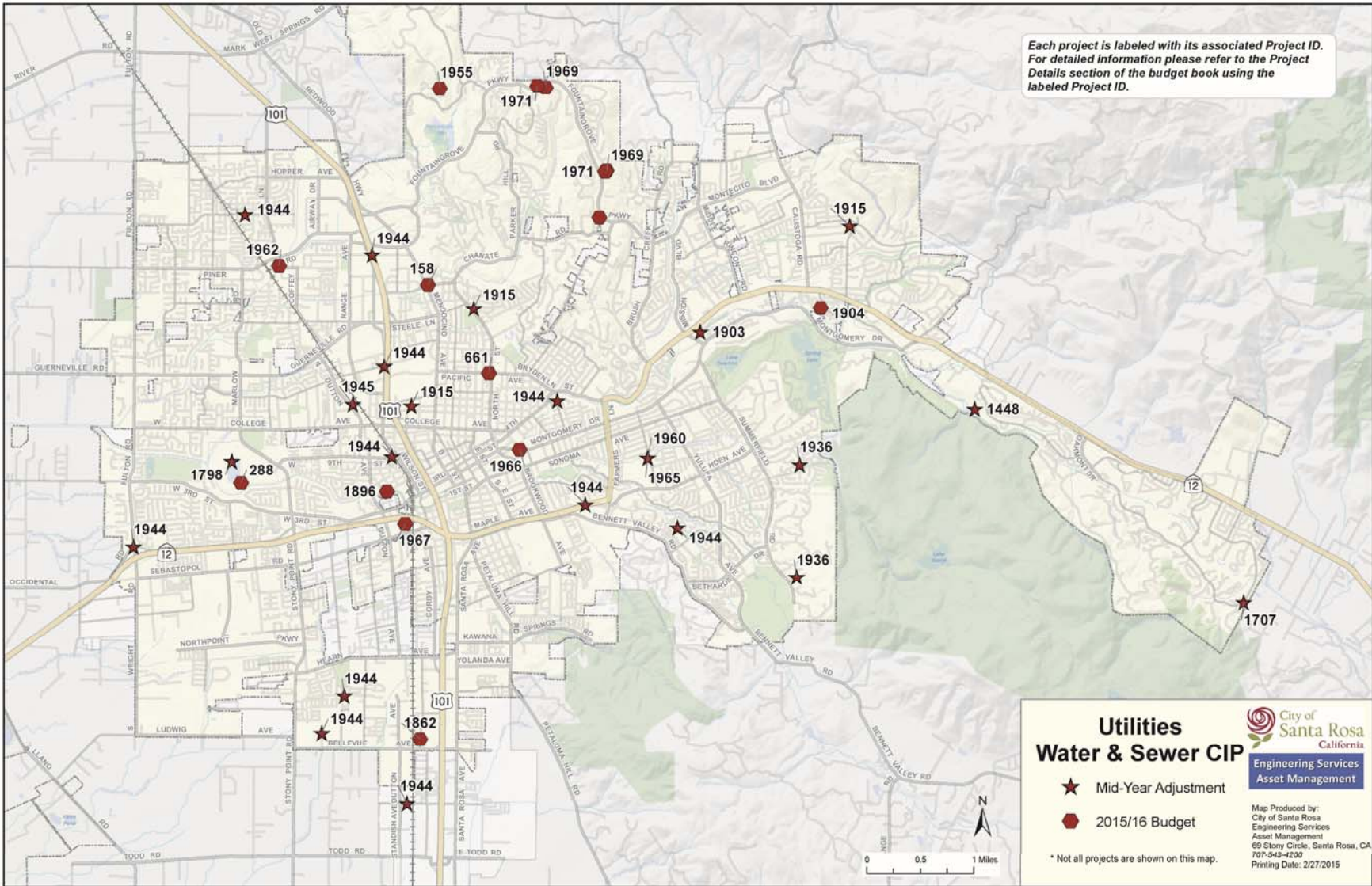


Geysers Operations



Laguna Treatment Plant





Each project is labeled with its associated Project ID. For detailed information please refer to the Project Details section of the budget book using the labeled Project ID.



# Water Project Highlights

## Infrastructure

- Pipe/Service Replacement
  - North Trunk Relocation, Mohawk
  - Jennings Avenue, Oakmont Drive
  - Exchange & Hinton
- High Fire Severity Zone Projects
  - Station 13 - Oakmont
- Access Road to Reservoir 7
  - Yerba Buena Drive, Rincon Valley
- AMI / AMR  
(Advanced Metering Infrastructure)  
(Automated Meter Reading)



# Water Project Highlights cont.

## Infrastructure

- Station 5 Hydro-Pneumatic Tank
  - Skyfarm Drive
- Seismic & Generator Evaluations

## Programs – 21%

- Emergency Groundwater Supply
- Water Conservation
  - Outdoor: Landscaping Incentives
  - Indoor: Indoor Fixtures and Appliances





# Wastewater Project Highlights

## Infrastructure

- Pipe/Service Replacement
  - North Trunk Sewer Replacement
  - West 6<sup>th</sup> and Madison
- Roberts Avenue
- Los Alamos Trunk Replacement
- AMI / AMR  
(Advanced Metering Infrastructure)  
(Automated Meter Reading)





# Wastewater Project Highlights cont.

## Infrastructure

- Pipeline Rehabilitation
  - Llano, Airport & Robles Trunks
  - Trenchless Technologies
  - Wiljan Siphon Rehabilitation
- Wet Weather Equalization

## Programs – 3%

- Trunks CCTV Inspection
- Indoor Water Use Efficiency



# Subregional Projects Highlights

## Infrastructure

- Natural Gas Engine Conversion
- On-Site Diversion System
- Laboratory Information Management System (LIMS)
- Paving Rehabilitation
- Water Efficient Landscaping



# Subregional Projects Highlights cont.

## Additional Projects & Programs

- Geysers Operations SCADA Upgrade
- Energy Optimization Plan
- Studies and Regulatory Compliance





# Santa Rosa Water CIP Questions

