

CITY OF CORONA

C A L I F O R N I A

Community
Culture
Commerce



Adopted Capital Improvement Plan
FY 2019-20 to 2023-24

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CAPITAL IMPROVEMENT PLAN OVERVIEW

Five-Year Capital Improvement Plan (CIP)



The comprehensive Five-Year Capital Improvement Plan (CIP), provides for the maintenance and improvement of the City’s infrastructure. Infrastructure includes such items as: streets, alleyways, sidewalks, sewers, storm drains, water system, street lighting, and traffic signals. CIP projects are \$50,000+ and may transpire more than 1 year. The identification of capital projects to be funded is based on multiple factors including feasibility, community enrichment, asset age, historical preservation, safety, and preventative maintenance.

Major Categories of Citywide Capital Improvement Plan

City Facilities, Systems and Community Assets

- City Facility Improvements and Upgrades
- City Systems and Controls
- Community Assets and Programmatic Projects

Streets and Storm Drains

- Storm Drains, Culverts, Creeks and Flood Control
- Bridges, Railroads and Freeways
- Paving and Striping
- Planning and Studies
- Sidewalk, Curb and Gutters
- Streetlights and Poles
- Traffic Signals

Parks and Open Space

- General Safety, Maintenance and Other Improvements
- Park Paving, Courts and Pathways
- Playgrounds, Fencing and Lighting

CAPITAL IMPROVEMENT PLAN OVERVIEW

Electric

- Electric Distribution and Upgrades
- General Safety, Maintenance and Other Improvements

Water and Reclaimed Water

- General Safety, Maintenance and Other Improvements
- Quality, Supply and Storage
- Transmission and Distribution
- Pump Stations
- Supervisory Control and Data Acquisition (SCADA)

Water Reclamation (Sewer)

- General Safety, Maintenance and Other Improvements
- Pipeline Rehabilitation
- Sewer Main Rehabilitation
- Pump Stations and Lift Stations
- Treatment

Major Highlights of Capital Investments

The CIP program is an exhaustive list of numerous projects. Specifically, the Fiscal Year 2019-20 budget recommends a total investment of \$43.8 million and the Fiscal Year 2020-21 forecasts a total investment of \$46.7 million. The following are a handful of significant capital investments: (not a comprehensive list). Other projects include funding for the Electrical Distribution System Inventory Condition and Assessment, Temescal Transmission Line Extension, Dos Lagos Replacement of BURD Transformers, Water Reclamation Facility No. 2 Equalization Basin Replacement, Wardlow Road Sewer Relocation Project, 1220 – Zone Booster Pump Station, Well 15 Relocation, West Rincon Street Improvements, River Road Median Landscape Improvements, and the City Hall Whole Building Energy Efficient Project.

CAPITAL IMPROVEMENT PLAN OVERVIEW

LINCOLN PARK PLAYGROUND EQUIPMENT REPLACEMENT

Program Name Parks & Open Space
Program Category Playgrounds, Fencing and Lighting
Project Number 73850
Department Maintenance Services

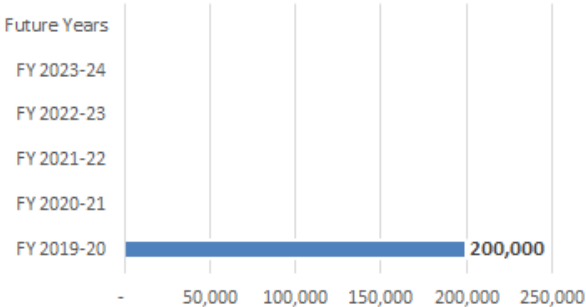


Project Description
 Operational Necessity and Safety Requirement: Playground equipment at Lincoln Park is obsolete and in need of replacement. Parts are not available for repair, causing a safety issue.

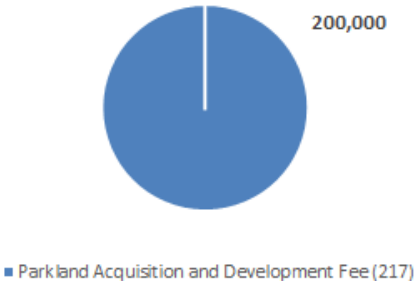
PROJECT BUDGET DETAIL

Fund Source	Prior Expenses	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
217	-	-	200,000	-	-	-	-	-	200,000
Totals	-	-	200,000	-	-	-	-	-	200,000

Funding, by Fiscal Year



FY 2019-20 Funding, by Fund



CAPITAL IMPROVEMENT PLAN OVERVIEW

CITYWIDE ADA IMPROVEMENTS

Program Name Parks & Open Space
Program Category General Safety, Maint. & Other Impr.
Project Number 68690
Department Public Works

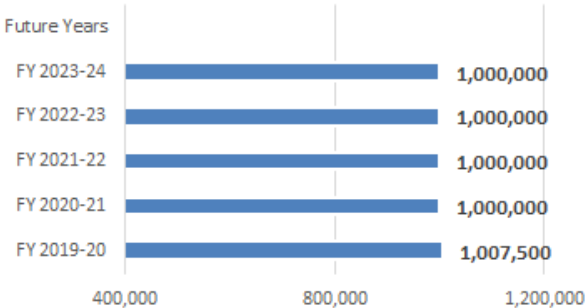


Project Description
 ADA improvements \$1M annually for 5 years:
 Year 1 Parks - Citrus, Mountain Gate, Promenade and Santana; Year 2 Parks - Auburndale, Contreras, Cresta Verde, Ontario, Ridgeline and Victoria; Year 3 Parks - Border, Brentwood, Fairview, Kellogg, Sheridan and Tehachapi; Year 4 Parks - Husted, Lincoln, Mangular, Rimpau, Serfas Club, Spyglass, Stagecoach and Village; Year 5 Parks - Buena Vista, Butterfield, Chase, City, Eagle Glen, Jameson, Parkview, River Road and Rock Vista.

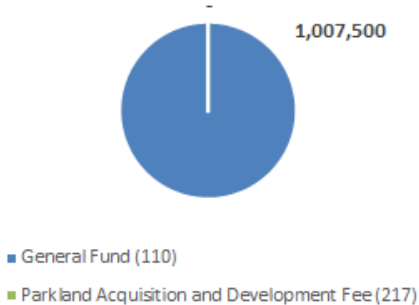
PROJECT BUDGET DETAIL

Fund Source	Prior Expenses	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
110	392,475	1,503,705	1,007,500	1,000,000	1,000,000	1,000,000	1,000,000	-	6,903,680
217	784,830	225,000	-	-	-	-	-	-	1,009,830
Totals	1,177,305	1,728,705	1,007,500	1,000,000	1,000,000	1,000,000	1,000,000	-	7,913,510

Funding, by Fiscal Year



FY 2019-20 Funding, by Fund



CAPITAL IMPROVEMENT PLAN OVERVIEW

CITY FIRE STATION CAPITAL IMPROVEMENTS

Program Name Facilities, Systems & Community Assets
Program Category City Facility Improvements and Upgrades
Project Number 62400
Department Maintenance Services

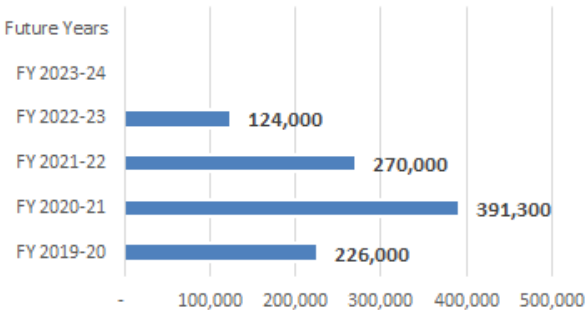


Project Description
 Roof Replacement. Main Restroom Remodel - Complete remodel of the main restroom, including: flooring, wall tile, drywall repair, showers with doors, urinals, toilets, privacy dividers, sinks, counter tops, cabinetry, slop sink, paint, lighting, doors, hardware, mold mitigation and drain evaluation/repair/upgrade. Restroom is original from 1974. Many items are worn beyond repair. Mold/mildew above the shower on the drywall build up under the toilets. The drains can not handle the current demand; one of the washers has to drain into the slop sink. HVAC Replacements - Aging units, will begin with stations 1, 2 & 5.

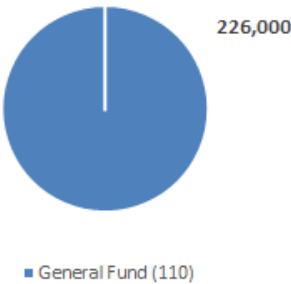
PROJECT BUDGET DETAIL

Fund Source	Prior Expenses	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
110	500,633	30,129	226,000	391,300	270,000	124,000	-	-	1,542,063
Totals	500,633	30,129	226,000	391,300	270,000	124,000	-	-	1,542,063

Funding, by Fiscal Year



FY 2019-20 Funding, by Fund



CAPITAL IMPROVEMENT PLAN OVERVIEW

MISCELLANEOUS REPAIR AND REPLACEMENT OF TRAFFIC SIGNALS

Program Name Streets & Storm Drains
Program Category Traffic Signals
Project Number 70940
Department Public Works

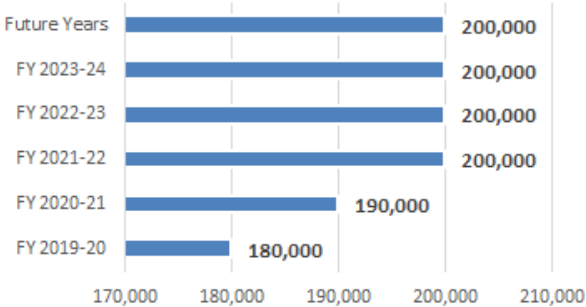


Project Description
 Unscheduled repair/replacement of traffic signals and related facilities at various locations Citywide. Includes the repair or replacement of traffic signals, safety lights, street name signs, traffic control signs, signal poles, heads, etc.; rewiring old signals and damaged loops; and maintenance of the advance traffic management system.

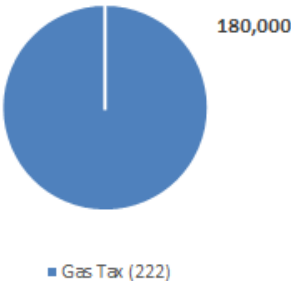
PROJECT BUDGET DETAIL

Fund Source	Prior Expenses	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
222	537,429	153,430	180,000	190,000	200,000	200,000	200,000	200,000	1,860,859
227	372,770	37,230	-	-	-	-	-	-	410,000
446	-	7,376	-	-	-	-	-	-	7,376
Totals	910,198	198,036	180,000	190,000	200,000	200,000	200,000	200,000	2,278,235

Funding, by Fiscal Year



FY 2019-20 Funding, by Fund



CAPITAL IMPROVEMENT PLAN OVERVIEW

LIBRARY FACILITIES CAPITAL IMPROVEMENTS

Program Name Facilities, Systems & Community Assets
Program Category City Facility Improv. and Upgrades
Project Number 62950
Department Maintenance Services

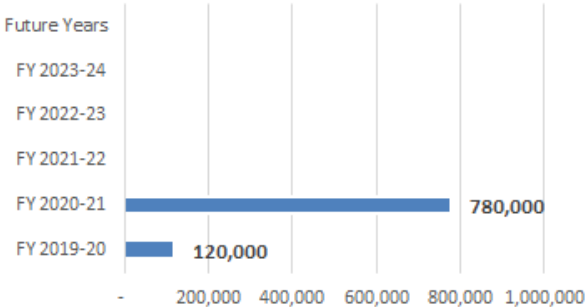


Project Description
 Boiler Replacement - Boiler has reached the end of its useful life. Replace Skylights (Design Only) - Skylights are weathered and aged. Original skylights went in with original building. Skylights have met their useful life, and structural integrity is deteriorating. While servicing other equipment on roof, these pose a danger for falling and leakage.

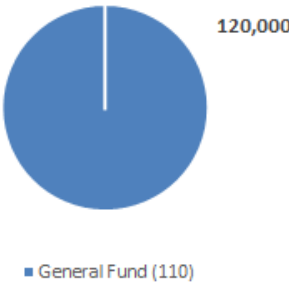
PROJECT BUDGET DETAIL

Fund Source	Prior Expenses	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
110	121,272	170,470	120,000	780,000	-	-	-	-	1,191,742
Totals	121,272	170,470	120,000	780,000	-	-	-	-	1,191,742

Funding, by Fiscal Year



FY 2019-20 Funding, by Fund



CAPITAL IMPROVEMENT PLAN OVERVIEW

MOUNTAIN GATE PARK PLAYGROUND EQUIPMENT REPLACEMENT

Program Name Parks & Open Space
Program Category Playgrounds, Fencing and Lighting
Project Number 73800
Department Maintenance Services

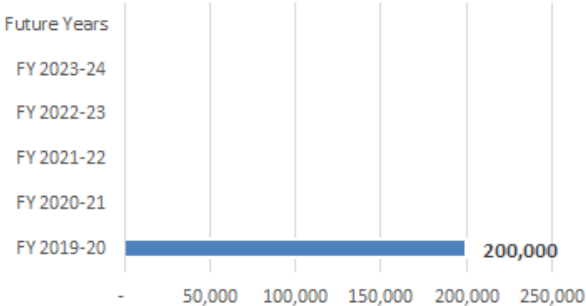


Project Description
 Mountain Gate Park playground equipment replacement. Operational Necessity and Safety Requirement: ADA improvements are being done at Mountain Gate Park including installing rubberized surfacing. The existing playset is obsolete, past its useful life and requires replacement.

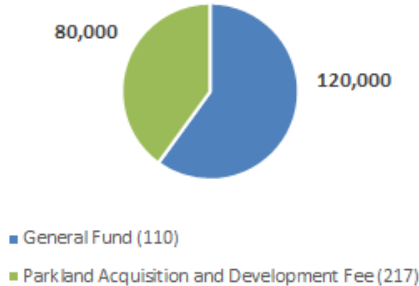
PROJECT BUDGET DETAIL

Fund Source	Prior Expenses	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
110	-	-	120,000	-	-	-	-	-	120,000
217	-	-	80,000	-	-	-	-	-	80,000
Totals	-	-	200,000	-	-	-	-	-	200,000

Funding, by Fiscal Year



FY 2019-20 Funding, by Fund



CAPITAL IMPROVEMENT PLAN OVERVIEW

LOCAL STREET PAVEMENT REHABILITATION

Program Name Streets & Storm Drains
Program Category Paving and Striping
Project Number 69210
Department Public Works

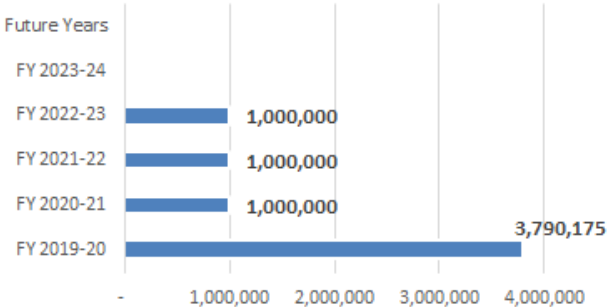


Project Description
 Pavement rehabilitation for local streets in accordance with the current Pavement Management Study. Rehabilitation may include reconstruction paving, crack sealing, slurry, etc.

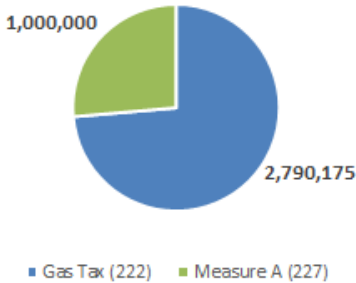
PROJECT BUDGET DETAIL

Fund Source	Prior Expenses	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
221	250,665	904,539	-	-	-	-	-	-	1,155,204
222	53,754	1,946,246	2,790,175	-	-	-	-	-	4,790,175
227	4,111,192	1,211,956	1,000,000	1,000,000	1,000,000	1,000,000	-	-	9,323,148
Totals	4,415,611	4,062,741	3,790,175	1,000,000	1,000,000	1,000,000	-	-	15,268,527

Funding, by Fiscal Year



FY 2019-20 Funding, by Fund



CAPITAL IMPROVEMENT PLAN OVERVIEW

SIXTH STREET REVITALIZATION

Program Name Streets & Storm Drains
Program Category Sidewalk, Curb and Gutters
Project Number 71780
Department Public Works

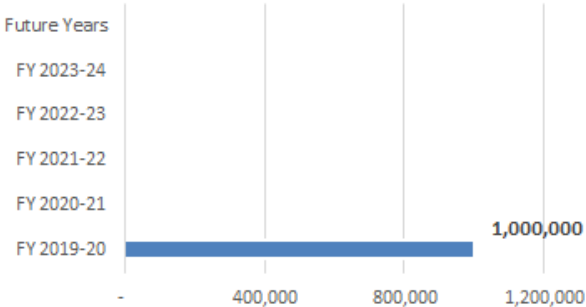


Project Description
 Reconfiguration and rehabilitation of West Sixth Street from Main Street to Merrill Street for the purpose of widening and improving existing sidewalks to comply with the Americans with Disabilities Act (ADA). Project also involves the modification of curb ramps to meet ADA standards, and introduces angled parking for easier access to local business.

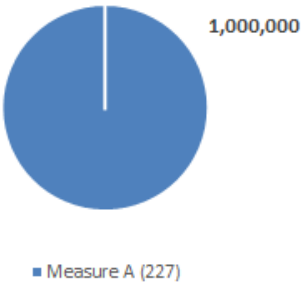
PROJECT BUDGET DETAIL

Fund Source	Prior Expenses	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
227	1,935	-	1,000,000	-	-	-	-	-	1,001,935
Totals	1,935	-	1,000,000	-	-	-	-	-	1,001,935

Funding, by Fiscal Year



FY 2019-20 Funding, by Fund



CAPITAL IMPROVEMENT PLAN OVERVIEW

WELL 15 RELOCATION

Program Name Water
Program Category Water - Pump Stations
Project Number 68270
Department Water and Power

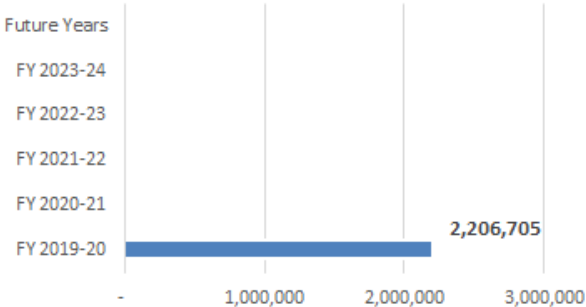


Project Description
 Relocate Well 15 North of SR91, West of Lincoln, due to SR91 project.

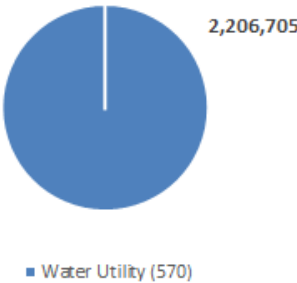
PROJECT BUDGET DETAIL

Fund Source	Prior Expenses	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
570	11,332	777,336	2,206,705	-	-	-	-	-	2,995,373
Totals	11,332	777,336	2,206,705	-	-	-	-	-	2,995,373

Funding, by Fiscal Year



FY 2019-20 Funding, by Fund

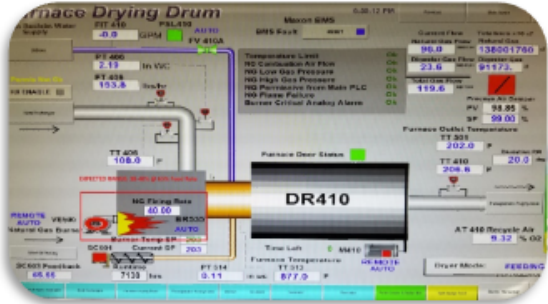


CAPITAL IMPROVEMENT PLAN OVERVIEW

SCADA PANEL REPLACEMENT

Program Name Water
Program Category Water - Supervisory Control and Data Acq.
Project Number 69820
Department Water and Power

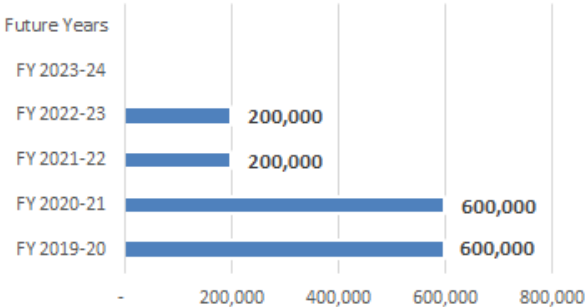
Project Description
 Replace 13 existing Modicon 612 PLC's with new AB controllers and IP radios.



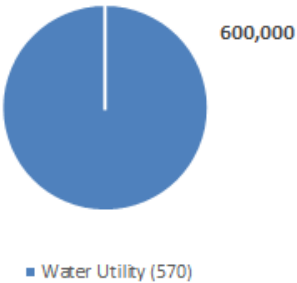
PROJECT BUDGET DETAIL

Fund Source	Prior Expenses	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
567	20,546	40,954	-	-	-	-	-	-	61,500
570	843,909	68,291	600,000	600,000	200,000	200,000	-	-	2,512,200
572	353,666	156,334	-	-	-	-	-	-	510,000
Totals	1,218,121	265,579	600,000	600,000	200,000	200,000	-	-	3,083,700

Funding, by Fiscal Year



FY 2019-20 Funding, by Fund

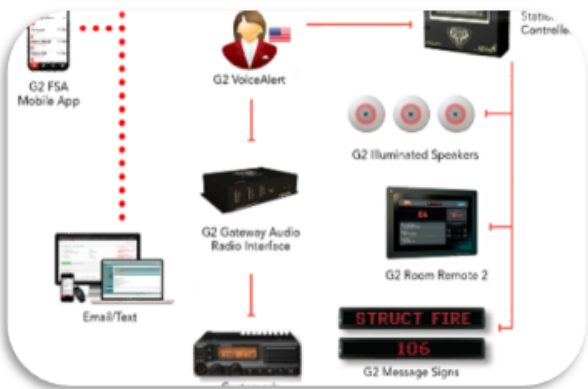


CAPITAL IMPROVEMENT PLAN OVERVIEW

FIRE STATION ALERTING SYSTEMS

Program Name Facilities, Systems & Community Assets
Program Category City Systems and Controls
Project Number 71660
Department Fire

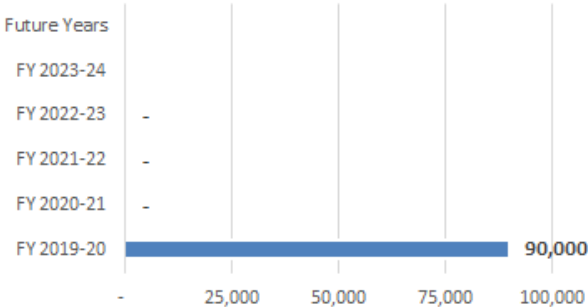
Project Description
 Implementation of a new modern fire station alerting system allowing crew notification at the time of dispatch to increase efficiency and provide services that meet the Fire Department's response time objectives. Required to meet national standards specified by NFPA 1221.



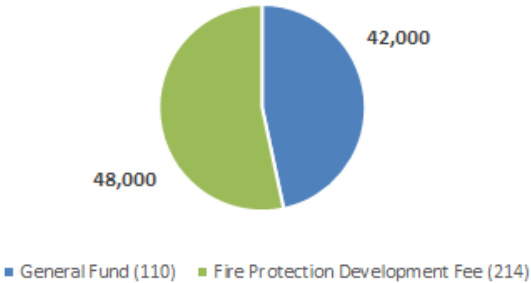
PROJECT BUDGET DETAIL

Fund Source	Prior Expenses	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
110	-	223,000	42,000	-	-	-	-	-	265,000
214	-	237,000	48,000	-	-	-	-	-	285,000
Totals	-	460,000	90,000	-	-	-	-	-	550,000

Funding, by Fiscal Year



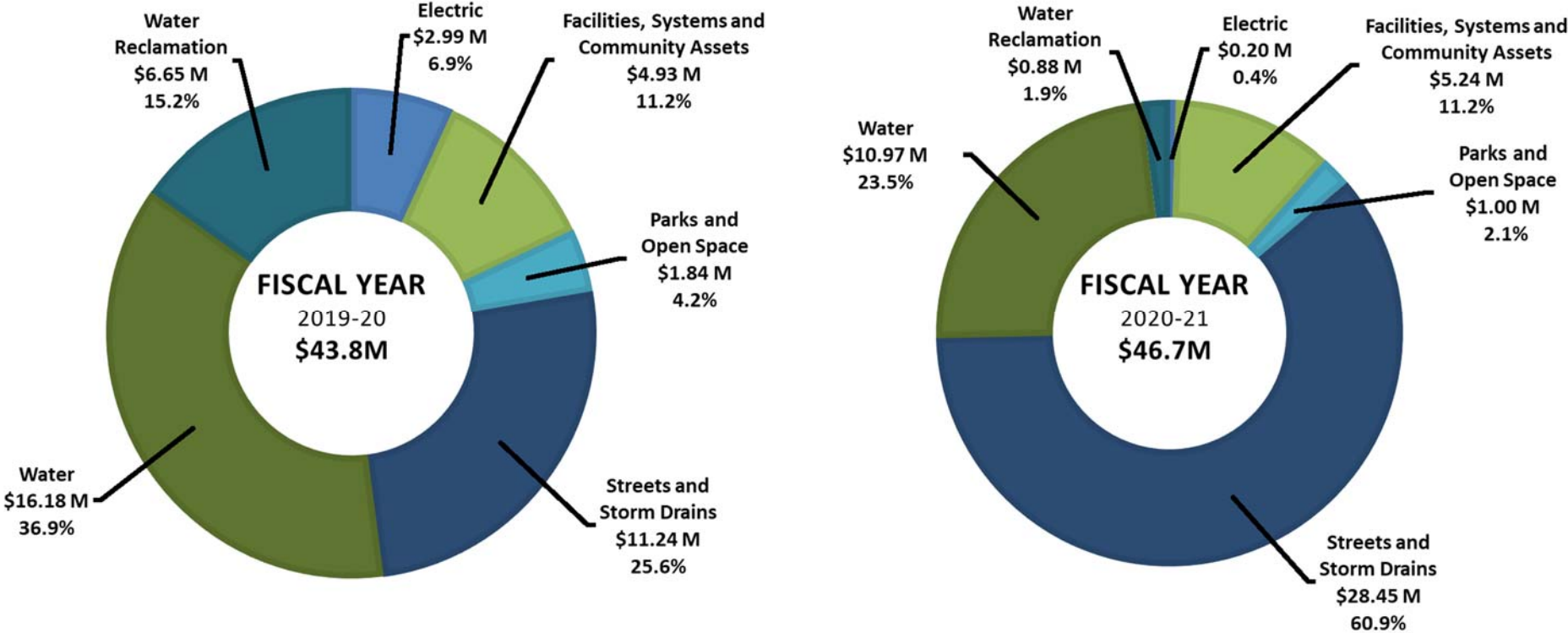
FY 2019-20 Funding, by Fund



CAPITAL IMPROVEMENT PLAN OVERVIEW

Chart – CIP Program Funding (New Fiscal Year 2019-20 and 2020-21 Funding)

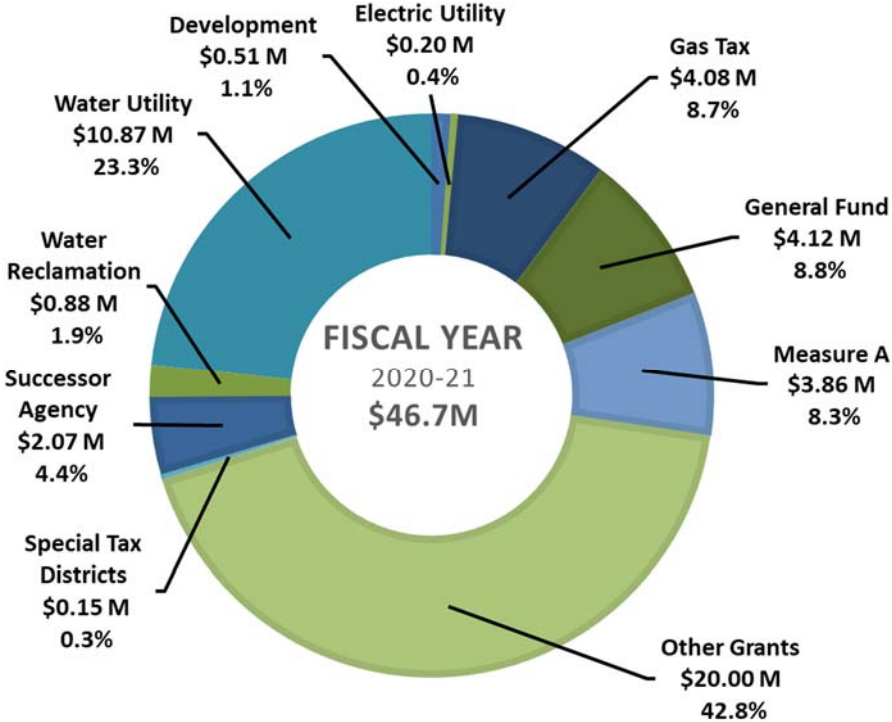
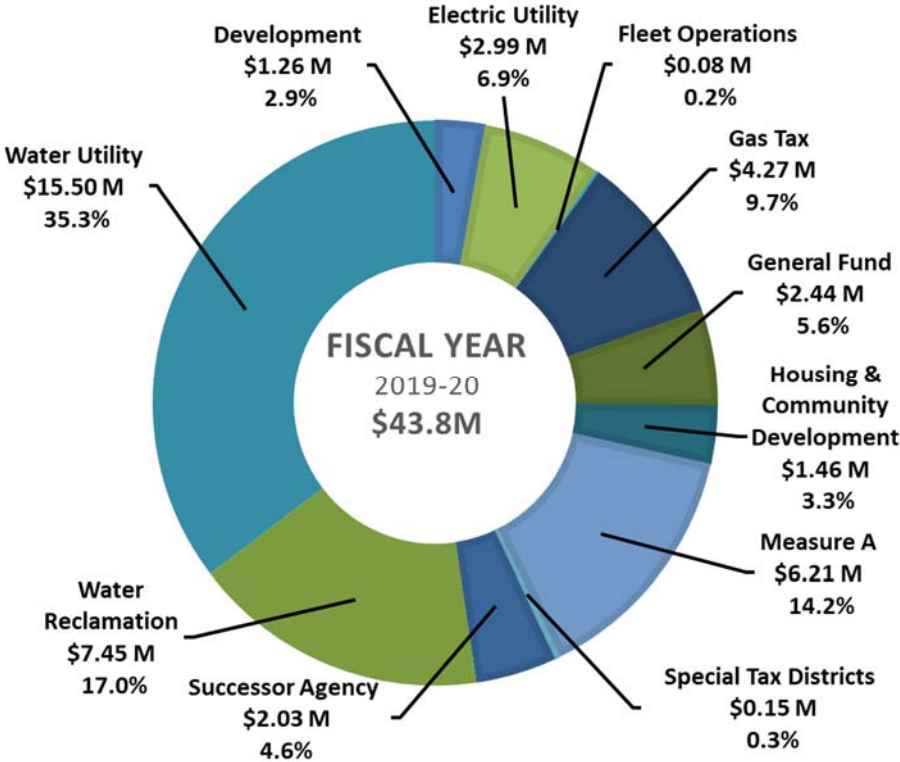
New CIP funding for Fiscal Year 2019-20 totals \$43,843,783 and \$46,737,729 for Fiscal Year 2020-21 in the programs shown below.



CAPITAL IMPROVEMENT PLAN OVERVIEW

Chart – CIP Funding Sources (New Fiscal Year 2019-20 and 2020-21 Funding)

The City utilizes multiple funding sources for its CIP program, including those that are legislatively set aside and committed to specific capital improvement projects, as well as other sources such as the General Fund and utility rates. The following is a summary of new funding in Fiscal Year 2019-20 and 2020-21.





CITY OF CORONA FIVE YEAR CAPITAL IMPROVEMENT PLAN
Funding Totals by Program Name and Category

Program Name / Program Category	FY 2019-20			FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25 +
	Estimated			Five-Year Capital Improvement Plan				
	Carryover Funding	New Funding	Total Available					
Electric								
Electric Distribution Upgrades	1,609,281	2,990,000	4,599,281	200,000	-	-	-	-
General Safety, Maintenance and Other Improvements	495,514	-	495,514	-	-	-	-	-
Electric Total	\$ 2,104,795	\$ 2,990,000	\$ 5,094,795	\$ 200,000	\$ -	\$ -	\$ -	\$ -
Facilities, Systems and Community Assets								
City Facility Improvements and Upgrades	1,573,783	648,500	2,222,283	2,484,660	3,187,211	139,000	15,000	875,000
City Systems and Controls	5,720,822	125,000	5,845,822	535,000	35,000	35,000	35,000	1,060,000
Community Assets and Programmatic Projects	4,644,542	4,161,202	8,805,744	2,220,409	1,690,669	1,084,602	1,097,295	6,609,303
Facilities, Systems and Community Assets Total	\$ 11,939,146	\$ 4,934,702	\$ 16,873,848	\$ 5,240,069	\$ 4,912,880	\$ 1,258,602	\$ 1,147,295	\$ 8,544,303
Parks and Open Space								
General Safety, Maintenance and Other Improvements	8,641,782	1,007,500	9,649,282	1,000,000	1,000,000	1,000,000	1,000,000	-
Parks Paving, Courts, and Pathways	1,397,806	29,000	1,426,806	-	-	-	-	-
Playgrounds, Fencing, and Lighting	296,596	800,000	1,096,596	-	-	-	-	-
Parks and Open Space Total	\$ 10,336,184	\$ 1,836,500	\$ 12,172,684	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ -
Streets and Storm Drains								
Bridges, Railroads, and Freeways	115,486,241	3,250,000	118,736,241	21,000,000	1,700,000	4,000,000	700,000	-
Paving and Striping	19,315,095	4,625,175	23,940,270	5,985,000	4,185,000	4,185,000	2,710,000	3,355,000
Planning and Studies	460,084	60,000	520,084	10,000	50,000	10,000	10,000	10,000
Sidewalk, Curb and Gutters	3,088,794	2,650,000	5,738,794	600,000	2,100,000	-	-	600,000
Storm Drains, Culverts, Creeks, and Flood Control	3,325,553	300,000	3,625,553	-	-	-	-	-
Streetlights and Poles	16,310	-	16,310	-	-	-	-	-
Traffic Signals	5,885,143	359,000	6,244,143	855,000	215,000	215,000	215,000	215,000
Streets and Storm Drains Total	\$ 147,577,220	\$ 11,244,175	\$ 158,821,395	\$ 28,450,000	\$ 8,250,000	\$ 8,410,000	\$ 3,635,000	\$ 4,180,000
Water								
Reclaimed Water - General Safety, Maint. and Other Improv.	-	133,800	133,800	133,800	133,800	133,800	-	133,800
Reclaimed Water - Pipelines Rehabilitation	599,695	800,000	1,399,695	-	-	-	-	-
Reclaimed Water - Pump Stations	44,621	200,000	244,621	200,000	-	-	-	-
Reclaimed Water - Transmission and Distribution Pipelines	407,215	3,647,880	3,978,860	-	-	-	-	-
Water - General Safety, Maint. and Other Improv.	4,035,497	2,457,021	6,492,518	1,150,000	11,311,619	10,952,144	-	2,350,000
Water - Pump Stations	2,686,204	6,656,705	9,342,909	850,000	2,921,373	450,000	-	396,500
Water - Supervisory Control and Data Acquisition (SCADA)	411,629	600,000	1,011,629	600,000	200,000	200,000	-	-
Water - Quality, Supply and Storage	8,220,641	-	8,220,641	-	-	-	2,832,500	-
Water - Transmission and Distribution Pipelines	15,519,124	1,688,500	17,207,624	4,060,000	6,168,333	3,268,333	2,308,333	2,379,000
Water Total	\$ 31,924,626	\$ 16,183,906	\$ 37,560,919	\$ 10,972,660	\$ 20,735,125	\$ 15,004,277	\$ 5,140,833	\$ 5,259,300



**CITY OF CORONA FIVE YEAR CAPITAL IMPROVEMENT PLAN
Funding Totals by Program Name and Category**

Program Name / Program Category	FY 2019-20			FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25 +
	Estimated			Five-Year Capital Improvement Plan				
	Carryover Funding	New Funding	Total Available					
Water Reclamation								
General Safety, Maintenance and Other Improvements	115,774	5,890,000	6,005,774	375,000	100,000	-	-	-
Pipelines Rehabilitation	701,653	-	701,653	-	-	-	-	-
Pump Stations and Lift Stations	6,404,752	150,000	6,554,752	-	500,000	5,000,000	-	4,758,500
Sewer Main Rehabilitation	1,908,212	614,500	2,522,712	500,000	-	-	-	10,015,000
Treatment	5,383,686	-	5,383,686	-	-	-	-	-
Water Reclamation Total	\$ 14,514,078	\$ 6,654,500	\$ 21,168,578	\$ 875,000	\$ 600,000	\$ 5,000,000	\$ -	\$ 14,773,500
Total Capital Improvement Plan Funding	\$ 218,396,049	\$ 43,843,783	\$ 251,692,219	\$ 46,737,729	\$ 35,498,005	\$ 30,672,879	\$ 10,923,128	\$ 32,757,103

CAPITAL IMPROVEMENT PLAN

Schedule of Estimated Carryover and New Funding, by Fund

Fund	Project No.	Program Name	Description	Estimated	FY 2019-20	FY 2020-21	Total Available
				Carryover Funding	Adopted	Forecast	
GENERAL FUND							
*	110	61490	FCLTS City Hall Facilities - Capital Improvements	\$ 1,570	\$ 15,000	\$ 22,000	\$ 38,570
*	110	61690	FCLTS Civic Center Gymnasium	-	20,000	-	20,000
*	110	62400	FCLTS City Fire Stations Capital Improvements	7,858	226,000	391,300	625,158
*	110	62950	FCLTS Library Facilities Capital Improvements	169,488	120,000	780,000	1,069,488
	110	63130	FCLTS Recreational Activities	950	-	-	950
*	110	63800	FCLTS Community Events - Co-Sponsored	34,046	20,000	-	54,046
	110	63901	FCLTS Library Materials - Adopt-A-Book Friends	3,221	-	-	3,221
	110	68330	STRTS Overlook Street Improvements	19,184	-	-	19,184
	110	68390	WATER Corona Airport Waterline	26,984	-	-	26,984
	110	68590	FCLTS City Council Chamber Upgrade	27,018	-	-	27,018
*	110	68690	PARKS Citywide ADA Improvements	1,487,857	1,007,500	1,000,000	3,495,357
*	110	68920	FCLTS Corporation Yard Facility Capital Improvements	816	-	100,000	100,816
	110	69060	FCLTS General Plan/Climate Action Plan Update	229,092	-	-	229,092
	110	69120	FCLTS City Unified Camera Project	336,458	-	-	336,458
	110	69500	STRTS Cajalco / I-15 Interchange Improvements	84,935	-	-	84,935
*	110	70100	FCLTS Emergency 911 Phone System	-	-	500,000	500,000
	110	70110	FCLTS Public Safety Enterprise Communication (PSEC) Radio Interoperability	193,325	-	-	193,325
	110	70130	FCLTS Technology Enhancements	73,790	-	-	73,790
	110	70150	FCLTS City Unified Camera Project, Phase II	98,580	-	-	98,580
	110	71150	STRTS Auto Center Drive/Burlington Northern Santa Fe Railroad Grade Separation	1,175,816	-	-	1,175,816
	110	71550	FCLTS Remote Monitoring MDF/IDF Rooms	40,111	-	-	40,111
*	110	71630	FCLTS Police Body Worn Cameras	-	35,000	35,000	70,000
	110	71650	FCLTS City Hall Security Improvements	767,989	-	-	767,989
*	110	71660	FCLTS Fire Station Alerting Systems	223,000	42,000	-	265,000
	110	71670	FCLTS Police CAD/RMS System	1,289,973	-	-	1,289,973
	110	71700	FCLTS Corona Innovation Center	225,545	-	-	225,545
	110	71710	FCLTS Auto Center Sign	150,000	-	-	150,000
	110	72010	FCLTS Emergency Flood Response Grant	7,357	-	-	7,357

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN

Schedule of Estimated Carryover and New Funding, by Fund

Fund	Project No.	Program Name	Description	Estimated	FY 2019-20	FY 2020-21	Total Available	
				Carryover Funding	Adopted	Forecast		
*	110	72050	WATER	Alcoa Dike Potable Water Non-Compliance	15,000	30,000	100,000	145,000
*	110	72080	FCLTS	Community Center Facilities Capital Improvements	7,183	20,000	43,500	70,683
	110	72330	FCLTS	Timekeeping System	441,151	-	-	441,151
	110	72410	FCLTS	Animal Shelter Playground/Social Yard	2,211	-	-	2,211
	110	72520	FCLTS	New VHF Radio Simulcast and Backhaul System	2,000,000	-	-	2,000,000
*	110	72530	FCLTS	Police Department Facility Improvements	1,181	25,000	490,300	516,481
	110	72540	FCLTS	Replace Microwave Links to Fire Station	190,000	-	-	190,000
	110	72550	FCLTS	Replace Shooting Range Chillers	100,000	-	-	100,000
	110	72560	FCLTS	Replace Technology in Police Training Rooms	76,500	-	-	76,500
	110	72570	FCLTS	Replacement of Dispatch Furniture	250,000	-	-	250,000
	110	72820	FCLTS	Grape Hill Telecommunications Tower No. 2	37,702	-	-	37,702
	110	84480	STRTS	Sherborn Street Improvements	438,374	-	-	438,374
	110	86040	STRTS	Foothill Parkway Westerly Extension	603,368	-	-	603,368
*	110	73780	FCLTS	Animal Shelter Gate and Driveway	-	25,000	-	25,000
*	110	73790	FCLTS	City Hall Whole Building Energy Efficiency Project	-	215,000	-	215,000
*	110	73800	PARKS	Mountain Gate Park Playground Equipment Replacement	-	120,000	-	120,000
*	110	73810	PARKS	Santana Park Accessible Playground	-	400,000	-	400,000
	110	73820	PARKS	Trails Master Plan	33,000	-	-	33,000
	110	73830	FCLTS	Prop 68 City Park Improvements	22,521	-	-	22,521
*	110	NEW	FCLTS	City Hall Carpet Replacement	-	-	232,560	232,560
*	110	NEW	FCLTS	Community Center Generator	-	-	425,000	425,000
FUND TOTAL					\$ 10,893,154	\$ 2,320,500	\$ 4,119,660	\$ 17,333,314
LIBRARY FACILITIES AND COLLECTION FEE FUND								
	206	63900	FCLTS	Library Materials	\$ 74,021	\$ -	\$ -	\$ 74,021
	206	72590	FCLTS	Library Automated Materials Handling System	53,769	-	-	53,769
	206	86900	FCLTS	Citywide Facilities Inventory	4,000	-	-	4,000
	206	86910	FCLTS	Citywide Development Impact Fee Review	2,832	-	-	2,832
FUND TOTAL					\$ 134,622	\$ -	\$ -	\$ 134,622

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN

Schedule of Estimated Carryover and New Funding, by Fund

<u>Fund</u>	<u>Project No.</u>	<u>Program Name</u>	<u>Description</u>	<u>Estimated Carryover Funding</u>	<u>FY 2019-20 Adopted</u>	<u>FY 2020-21 Forecast</u>	<u>Total Available</u>	
FIRE WILD LAND FACILITIES FEE FUND								
207	62900	FCLTS	Fire Equipment Acquisition	\$ 1,405	\$ -	\$ -	\$ 1,405	
FUND TOTAL				\$ 1,405	\$ -	\$ -	\$ 1,405	
TEMESCAL CANYON LAW ENFORCEMENT FACILITIES FEE FUND								
208	86900	FCLTS	Citywide Facilities Inventory	\$ 4,000	\$ -	\$ -	\$ 4,000	
208	86910	FCLTS	Citywide Development Impact Fee Review	2,832	-	-	2,832	
FUND TOTAL				\$ 6,832	\$ -	\$ -	\$ 6,832	
TEMESCAL CANYON FIRE FACILITIES FEE FUND								
209	86900	FCLTS	Citywide Facilities Inventory	\$ 4,000	\$ -	\$ -	\$ 4,000	
209	86910	FCLTS	Citywide Development Impact Fee Review	2,832	-	-	2,832	
FUND TOTAL				\$ 6,832	\$ -	\$ -	\$ 6,832	
STREETS, BRIDGES AND SIGNALS DEVELOPMENT FEE FUND								
*	211	62410	STRTS	Magnolia Avenue Widening	\$ 506,321	\$ 750,000	\$ -	\$ 1,256,321
	211	69500	STRTS	Cajalco / I-15 Interchange Improvements	232,828	-	-	232,828
	211	69510	STRTS	Citywide Master Plan Street Improvements	1,587,748	-	-	1,587,748
	211	70630	STRTS	Citywide Traffic Signals	2,620,664	-	-	2,620,664
*	211	71800	STRTS	Advanced Traffic Management System (ATMS) Phase III and ATMS Master Plan Update	1,487,993	-	500,000	1,987,993
	211	71840	STRTS	Traffic Signal Maintenance Facility	230,000	-	-	230,000
	211	72100	STRTS	Ontario Avenue Widening	1,090,625	-	-	1,090,625
	211	72110	STRTS	Traffic Signal at Green River Road / Montana Ranch Road	105,854	-	-	105,854
	211	72140	STRTS	Traffic Signal Installation at Ontario Avenue / State Street	75,000	-	-	75,000
	211	80020	STRTS	South Corona Master Planned Streets	100,000	-	-	100,000
	211	86040	STRTS	Foothill Parkway Westerly Extension	43	-	-	43
	211	86900	FCLTS	Citywide Facilities Inventory	9,900	-	-	9,900
	211	86910	FCLTS	Citywide Development Impact Fee Review	10,007	-	-	10,007
FUND TOTAL				\$ 8,056,983	\$ 750,000	\$ 500,000	\$ 9,306,983	

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN

Schedule of Estimated Carryover and New Funding, by Fund

<u>Fund</u>	<u>Project No.</u>	<u>Program Name</u>	<u>Description</u>	<u>Estimated Carryover Funding</u>	<u>FY 2019-20 Adopted</u>	<u>FY 2020-21 Forecast</u>	<u>Total Available</u>
STORM DRAINAGE DEVELOPMENT FEE FUND							
	212	62910	STRTS Corona Storm Drain Line 52	\$ 14,029	\$ -	\$ -	\$ 14,029
	212	62920	STRTS East Grand Boulevard Storm Drain	141,372	-	-	141,372
	212	86050	STRTS Chase Drive Improvements - Phase III	90,906	-	-	90,906
	212	86900	FCLTS Citywide Facilities Inventory	47,297	-	-	47,297
	212	86910	FCLTS Citywide Development Impact Fee Review	5,382	-	-	5,382
*	212	86920	STRTS Reimbursement Agreement Payments - Drainage	205,065	10,000	10,000	225,065
FUND TOTAL				\$ 504,051	\$ 10,000	\$ 10,000	\$ 524,051
LAW ENFORCEMENT DEVELOPMENT FEE FUND							
	213	69120	FCLTS City Unified Camera Project	\$ 1,289	\$ -	\$ -	\$ 1,289
*	213	86450	FCLTS Police Equipment Acquisition	17,652	144,000	-	161,652
	213	86900	FCLTS Citywide Facilities Inventory	4,000	-	-	4,000
	213	86910	FCLTS Citywide Development Impact Fee Review	2,832	-	-	2,832
FUND TOTAL				\$ 25,773	\$ 144,000	\$ -	\$ 169,773
FIRE PROTECTION DEVELOPMENT FEE FUND							
	214	62900	FCLTS Fire Equipment Acquisition	\$ 153,052	\$ -	\$ -	\$ 153,052
	214	64110	FCLTS Fire Facilities Expansion/Planning	48,979	-	-	48,979
*	214	71660	FCLTS Fire Station Alerting Systems	237,000	48,000	-	285,000
	214	86900	FCLTS Citywide Facilities Inventory	3,956	-	-	3,956
	214	86910	FCLTS Citywide Development Impact Fee Review	2,832	-	-	2,832
FUND TOTAL				\$ 445,818	\$ 48,000	\$ -	\$ 493,818
COMMUNITY MEETING DEVELOPMENT FEE FUND							
	215	71640	FCLTS Vicentia Activity Center	\$ 27,389	\$ -	\$ -	\$ 27,389
	215	86900	FCLTS Citywide Facilities Inventory	4,000	-	-	4,000
	215	86910	FCLTS Citywide Development Impact Fee Review	2,832	-	-	2,832
	215	73840	PARKS Parks Facilities and Amenities Inventory	30,000	-	-	30,000
FUND TOTAL				\$ 64,221	\$ -	\$ -	\$ 64,221

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN

Schedule of Estimated Carryover and New Funding, by Fund

<u>Fund</u>	<u>Project No.</u>	<u>Program Name</u>	<u>Description</u>	<u>Estimated Carryover Funding</u>	<u>FY 2019-20 Adopted</u>	<u>FY 2020-21 Forecast</u>	<u>Total Available</u>	
AQUATIC CENTER DEVELOPMENT FEE FUND								
216	69630	PARKS	Aquatic Improvements	\$ 107,375	\$ -	\$ -	\$ 107,375	
216	86900	FCLTS	Citywide Facilities Inventory	5,645	-	-	5,645	
216	86910	FCLTS	Citywide Development Impact Fee Review	1,082	-	-	1,082	
FUND TOTAL				\$ 114,102	\$ -	\$ -	\$ 114,102	
PARKLAND ACQUISITION AND DEVELOPMENT FEE FUND								
217	68690	PARKS	Citywide ADA Improvements	\$ 225,000	\$ -	\$ -	\$ 225,000	
217	68900	PARKS	Parks Hardscape	1,285,189	-	-	1,285,189	
217	68960	PARKS	Parks Basis Amenities	949,488	-	-	949,488	
217	68980	PARKS	Parks Enhanced	598	-	-	598	
217	68990	PARKS	Parks Lighting Improvements	105,036	-	-	105,036	
217	69010	PARKS	Parks Facility Improvements	612,723	-	-	612,723	
217	71610	WATER	City Park Basketball and Volleyball Court Relocation	56,373	-	-	56,373	
217	71720	PARKS	Griffin Park	296,596	-	-	296,596	
217	72600	PARKS	Auburndale Amenities Improvements	630,640	-	-	630,640	
*	217	73850	PARKS	Lincoln Park Playground Equipment Replacement	-	200,000	-	200,000
*	217	73800	PARKS	Mountain Gate Park Playground Equipment Replacement	-	80,000	-	80,000
217	73840	PARKS	Parks Facilities and Amenities Inventory	30,000	-	-	30,000	
FUND TOTAL				\$ 4,191,644	\$ 280,000	\$ -	\$ 4,471,644	
CORONA MALL BUSINESS IMPROVEMENT DISTRICT FUND								
*	218	84220	FCLTS	Corona Mall Business Improvement District	\$ 299,496	\$ 148,569	\$ 151,541	\$ 599,606
FUND TOTAL				\$ 299,496	\$ 148,569	\$ 151,541	\$ 599,606	
ROAD MAINTENANCE AND REHABILITATION ACCOUNT (RMRA) FUND								
*	221	69210	STRTS	Local Street Pavement Rehabilitation	\$ 1,939,666	\$ 2,790,175	\$ -	\$ 4,729,841
*	221	72610	STRTS	Rubberized Asphalt Concrete (RAC) Project	785,814	-	2,700,000	3,485,814
FUND TOTAL				\$ 2,725,480	\$ 2,790,175	\$ 2,700,000	\$ 8,215,655	

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN

Schedule of Estimated Carryover and New Funding, by Fund

Fund	Project No.	Program Name	Description	Estimated	FY 2019-20	FY 2020-21	Total Available
				Carryover Funding	Adopted	Forecast	
GAS TAX (2105-2106-Prop 42) FUND							
	222	62410	STRTS Magnolia Avenue Widening	\$ 100,000	\$ -	\$ -	\$ 100,000
	222	68330	STRTS Overlook Street Improvements	335,967	-	-	335,967
*	222	68860	STRTS Citywide Benchmark Update	140,000	50,000	-	190,000
	222	69210	STRTS Local Street Pavement Rehabilitation	904,539	-	-	904,539
*	222	69220	STRTS Pavement Maintenance and Resurfacing	407	-	150,000	150,407
	222	69370	STRTS McKinley Grade Separation	18,265	-	-	18,265
	222	69500	STRTS Cajalco / I-15 Interchange Improvements	12,191	-	-	12,191
	222	69687	STRTS FY 2016-17 CDBG Sidewalk Improvements	163,686	-	-	163,686
*	222	70730	STRTS Sidewalk, Curb and Gutter Repair/Replacement/Maintenance	4,507	375,000	300,000	679,507
	222	70800	STRTS Major Streets Pavement Rehabilitation	24,571	-	-	24,571
*	222	70940	STRTS Miscellaneous Repair and Replacement of Traffic Signals	146,029	180,000	190,000	516,029
	222	71820	STRTS Traffic Signal Installation at Auto Center Drive / Metrolink Station	50,000	-	-	50,000
*	222	71830	STRTS Traffic Signals Lighting Upgrade	13,086	75,000	75,000	163,086
*	222	72160	STRTS Citywide Traffic Signs	21,905	-	15,000	36,905
	222	72210	STRTS Citywide Sidewalk and ADA Improvements - Phase II	500,000	-	-	500,000
	222	72620	STRTS Butterfield Drive Road Relocation	149,898	-	-	149,898
	222	72630	STRTS Magnolia Median Rehabilitation	274,679	-	-	274,679
*	222	72920	STRTS Striping Rehabilitation	242,155	50,000	150,000	442,155
	222	73540	STRTS Overlook Street Maintenance	38,417	-	-	38,417
	222	86040	STRTS Foothill Parkway Westerly Extension	280,402	-	-	280,402
*	222	73860	STRTS Infrastructure for Rebuilding America (INFRA) - SR-91 Corridor Projects	-	500,000	500,000	1,000,000
*	222	73870	STRTS West Rincon Street Improvements	-	250,000	-	250,000
FUND TOTAL				\$ 3,420,703	\$ 1,480,000	\$ 1,380,000	\$ 6,280,703
MEASURE A FUND							
	227	62410	STRTS Magnolia Avenue Widening	\$ 1,321,134	\$ -	\$ -	\$ 1,321,134
	227	62910	STRTS Corona Storm Drain Line 53	145,037	-	-	145,037
*	227	62920	STRTS East Grand Boulevard Storm Drain	200,000	300,000	-	500,000

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN

Schedule of Estimated Carryover and New Funding, by Fund

Fund	Project No.	Program Name	Description	Estimated	FY 2019-20	FY 2020-21	Total Available	
				Carryover Funding	Adopted	Forecast		
	227	68330	STRTS	Overlook Street Improvements	338,082	-	-	338,082
	227	68860	STRTS	Citywide Benchmark Update	40,000	-	-	40,000
*	227	69210	STRTS	Local Street Pavement Rehabilitation	1,211,956	1,000,000	1,000,000	3,211,956
*	227	69220	STRTS	Pavement Maintenance and Resurfacing	17,230	225,000	150,000	392,230
*	227	69370	STRTS	McKinley Grade Separation	998,947	1,000,000	-	1,998,947
	227	69660	STRTS	Citywide Traffic Model Update	225,000	-	-	225,000
	227	69690	STRTS	Ontario Avenue Street Improvements	465,901	-	-	465,901
*	227	70690	STRTS	Pavement Management Study	55,084	10,000	10,000	75,084
*	227	70730	STRTS	Sidewalk, Curb and Gutter Repair/Replacement/Maintenance	4,122	325,000	300,000	629,122
	227	70800	STRTS	Major Streets Pavement Rehabilitation	2,224	-	-	2,224
	227	70940	STRTS	Miscellaneous Repair and Replacement of Traffic Signals	37,230	-	-	37,230
	227	71150	STRTS	Auto Center Drive/Burlington Northern Santa Fe Railroad Grade Separation	289,449	-	-	289,449
*	227	71780	STRTS	Sixth Street Revitalization	-	1,000,000	-	1,000,000
*	227	71790	STRTS	Bridge Evaluation	300,000	500,000	-	800,000
*	227	71830	STRTS	Traffic Signals Lighting Upgrade	58,067	75,000	75,000	208,067
	227	71840	STRTS	Traffic Signal Maintenance Facility	30,000	-	-	30,000
	227	72050	WATER	Alcoa Dike Potable Water Non-Compliance	15,000	-	-	15,000
*	227	72100	STRTS	Ontario Avenue Widening	474,409	500,000	500,000	1,474,409
	227	72110	STRTS	Traffic Signal at Green River Road / Montana Ranch Road	10,000	-	-	10,000
*	227	72160	STRTS	Citywide Traffic Signs	-	15,000	-	15,000
	227	72210	STRTS	Citywide Sidewalk and ADA Improvements - Phase II	1,992,840	-	-	1,992,840
*	227	72220	STRTS	Changeable Traffic Message Sign Replacement	18,395	14,000	-	32,395
	227	72610	STRTS	Rubberized Asphalt Concrete (RAC) Project	50,000	-	-	50,000
*	227	72620	STRTS	Butterfield Drive Road Relocation	700,000	-	1,150,000	1,850,000
	227	72630	STRTS	Magnolia Median Rehabilitation	183,119	-	-	183,119
	227	72650	STRTS	Household Waste Collection Facility Street Improvements	45,500	-	-	45,500
*	227	72680	STRTS	River Road Median Landscape Improvements	26,950	450,000	-	476,950
	227	72700	STRTS	Sixth and Yorba Street Waterline Replacement and Pavement Rehab	500,000	-	-	500,000
	227	72890	STRTS	2017 Street Pavement Maintenance and Rehabilitation	1,290,807	-	-	1,290,807
*	227	72920	STRTS	Striping Rehabilitation	40,303	50,000	175,000	265,303

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN

Schedule of Estimated Carryover and New Funding, by Fund

Fund	Project No.	Program Name	Description	Estimated	FY 2019-20	FY 2020-21	Total Available	
				Carryover Funding	Adopted	Forecast		
227	73540	STRTS	Overlook Street Maintenance	10,000	-	-	10,000	
227	80270	STRTS	Sidewalk and ADA Improvements	77,577	-	-	77,577	
227	86050	STRTS	Chase Drive Improvements - Phase III	400,000	-	-	400,000	
*	227	73860	STRTS	Infrastructure for Rebuilding America (INFRA) - SR-91 Corridor Projects	-	500,000	500,000	1,000,000
*	227	73870	STRTS	West Rincon Street Improvements	-	250,000	-	250,000
FUND TOTAL				\$ 11,574,363	\$ 6,214,000	\$ 3,860,000	\$ 21,648,363	
CIVIC CENTER FUND								
*	232	70140	FCLTS	Historic Civic Center Facility Capital Improvements	\$ 4,114	\$ 120,000	\$ -	\$ 124,114
FUND TOTAL				\$ 4,114	\$ 120,000	\$ -	\$ 124,114	
PUBLIC WORKS TRANSPORTATION GRANTS/AGREEMENT FUND								
243	62910	STRTS	Corona Storm Drain Line 54	\$ 1,456,516	\$ -	\$ -	\$ 1,456,516	
*	243	69370	STRTS	McKinley Grade Separation	82,617,719	-	20,000,000	102,617,719
243	69500	STRTS	Cajalco / I-15 Interchange Improvements	565,095	-	-	565,095	
243	69501	STRTS	Cajalco / I-15 Interchange Improvements	21,429,955	-	-	21,429,955	
243	69690	STRTS	Ontario Avenue Street Improvements	81,740	-	-	81,740	
243	70800	STRTS	Major Pavement Rehabilitation	140,830	-	-	140,830	
243	71150	STRTS	Auto Center Drive/Burlington Northern Santa Fe Railroad Grade Separation	3,239,578	-	-	3,239,578	
243	71820	STRTS	Traffic Signal Installation at Auto Center Drive / Metrolink Station	235,685	-	-	235,685	
243	72100	STRTS	Ontario Avenue Widening	1,448,644	-	-	1,448,644	
243	72480	STRTS	Second Street and Bollero Place Maintenance	25,000	-	-	25,000	
243	72900	STRTS	Traffic Signal Installation at Bedford Canyon / Georgetown	473,474	-	-	473,474	
FUND TOTAL				\$ 111,714,236	\$ -	\$ 20,000,000	\$ 131,714,236	
COUNTY SERVICE AREA 152								
245	71990	FCLTS	Household Hazardous Waste Facility	\$ 32,237	\$ -	\$ -	\$ 32,237	
FUND TOTAL				\$ 32,237	\$ -	\$ -	\$ 32,237	

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN
Schedule of Estimated Carryover and New Funding, by Fund

<u>Fund</u>	<u>Project No.</u>	<u>Program Name</u>	<u>Description</u>	<u>Estimated Carryover Funding</u>	<u>FY 2019-20 Adopted</u>	<u>FY 2020-21 Forecast</u>	<u>Total Available</u>	
CFD 2001-1 LANDSCAPE FUND								
249	70460	PARKS	Landscape Retrofit Project	\$ 1,180,786	\$ -	\$ -	\$ 1,180,786	
FUND TOTAL				\$ 1,180,786	\$ -	\$ -	\$ 1,180,786	
LMD 2003-1 LIGHTING CAJALCO/DL								
252	72710	STRTS	Dos Lagos Traffic Signal Improvements	\$ 264,385	\$ -	\$ -	\$ 264,385	
FUND TOTAL				\$ 264,385	\$ -	\$ -	\$ 264,385	
THOROUGHFARES FACILITIES FEE FUND								
261	80020	STRTS	South Corona Master Planned Streets	\$ 515,802	\$ -	\$ -	\$ 515,802	
261	86040	STRTS	Foothill Parkway Westerly Extension	210,196	-	-	210,196	
261	86050	STRTS	Chase Drive Improvements - Phase III	377,693	-	-	377,693	
261	86910	FCLTS	Citywide Development Impact Fee Review	3,000	-	-	3,000	
FUND TOTAL				\$ 1,106,690	\$ -	\$ -	\$ 1,106,690	
LANDSCAPING FACILITIES FEE FUND								
*	274	80080	PARKS	South Corona Master Planned Landscape	\$ 767,166	\$ 29,000	\$ -	\$ 796,166
	274	86900	FCLTS	Citywide Facilities Inventory	2,370	-	-	2,370
FUND TOTAL				\$ 769,536	\$ 29,000	\$ -	\$ 798,536	
AIRPORT FUND								
275	69890	FCLTS	Airport Facilities Capital Improvements	\$ 190,998	\$ -	\$ -	\$ 190,998	
FUND TOTAL				\$ 190,998	\$ -	\$ -	\$ 190,998	
PARK DEVELOPMENT (QUIMBY) FEE								
288	73880	PARKS	Fresno Canyon Trailhead Improvements	\$ 6,000	\$ -	\$ -	\$ 6,000	
FUND TOTAL				\$ 6,000	\$ -	\$ -	\$ 6,000	

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN
Schedule of Estimated Carryover and New Funding, by Fund

<u>Fund</u>	<u>Project No.</u>	<u>Program Name</u>	<u>Description</u>	<u>Estimated Carryover Funding</u>	<u>FY 2019-20 Adopted</u>	<u>FY 2020-21 Forecast</u>	<u>Total Available</u>
LOW MOD INCOME HOUSING ASSET							
291	71970	FCLTS	CC Development/Orange Housing Development Agreement	\$ 8,571	\$ -	\$ -	\$ 8,571
FUND TOTAL				\$ 8,571	\$ -	\$ -	\$ 8,571
RDA SUCCESSOR AGENCY FUND							
*	417	65810	FCLTS Skypark OPA	\$ 9,639	\$ 48,000	\$ 48,960	\$ 106,599
	417	67580	FCLTS Villa de Corona Apartments-Housing Authority Pledge	200,000	-	-	200,000
*	417	68530	FCLTS Temescal Canyon/ Dos Lagos Owner Participation Agreement	25,984	977,328	1,008,908	2,012,220
*	417	68630	FCLTS Corona N Main Development Owner Participation Agreement	121,112	550,000	561,000	1,232,112
*	417	68700	FCLTS Casa de la Villa	-	450,000	450,000	900,000
FUND TOTAL				\$ 356,736	\$ 2,025,328	\$ 2,068,868	\$ 4,450,932
COMMUNITY DEVELOPMENT BLOCK GRANT, or CDBG FUND							
*	431	67133	FCLTS Residential Rehabilitation Program	\$ 283,657	\$ 152,132	\$ -	\$ 435,789
	431	70156	FCLTS City Unified Camera Project, Phase II	1,844	-	-	1,844
*	431	72889	FCLTS Public Facilities and Infrastructure	560,262	600,000	-	1,160,262
*	431	72790	FCLTS Big Brothers Big Sisters - Preventing Violence Against Girls	-	21,675	-	21,675
*	431	63460	FCLTS Code Enforcement	-	100,000	-	100,000
*	431	89480	FCLTS Corona Business Assistance Program	-	20,000	-	20,000
*	431	72690	FCLTS Corona-Norco United Way - Children's Wellness Program	-	21,675	-	21,675
*	431	72670	FCLTS Corona-Norco United Way - Children and Youth Services	-	21,675	-	21,675
*	431	72640	FCLTS Corona-Norco YMCA - Childcare Enriched with Fine Arts Education	-	21,675	-	21,675
*	431	72830	FCLTS Council on Aging Southern California - Ombudsman Program	-	14,775	-	14,775
*	431	63470	FCLTS Graffiti Removal	-	7,150	-	7,150
*	431	71680	FCLTS Habitat for Humanity - A Brush With Kindness	-	10,000	-	10,000
*	431	72840	FCLTS Inspire Life Skills - Meaningful Engagements	-	24,630	-	24,630
*	431	72850	FCLTS Peppermint Ridge - Activity Center	-	21,675	-	21,675
*	431	72870	FCLTS Riverside County Fair Housing	-	24,630	-	24,630
FUND TOTAL				\$ 845,762	\$ 1,061,692	\$ -	\$ 1,907,454

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN
Schedule of Estimated Carryover and New Funding, by Fund

<u>Fund</u>	<u>Project No.</u>	<u>Program Name</u>	<u>Description</u>	<u>Estimated Carryover Funding</u>	<u>FY 2019-20 Adopted</u>	<u>FY 2020-21 Forecast</u>	<u>Total Available</u>
HOME INVESTMENT PARTNERSHIP PROGRAM FUND							
*	432	67133	FCLTS Residential Rehabilitation Program	\$ 271,712	\$ 334,844	\$ -	\$ 606,556
*	432	72869	FCLTS Community Housing Development Organization	70,943	66,969	-	137,912
FUND TOTAL				\$ 342,655	\$ 401,813	\$ -	\$ 744,468
WATER RECLAMATION CAPACITY FUND							
	440	71030	FCLTS Geographic Information System, or GIS, Master Plan	\$ 1,550	\$ -	\$ -	\$ 1,550
FUND TOTAL				\$ 1,550	\$ -	\$ -	\$ 1,550
LMD 84-1 STREET LIGHTS							
	446	70940	STRTS Miscellaneous Repair and Replacement of Traffic Signals	\$ 7,376	\$ -	\$ -	\$ 7,376
	446	72430	STRTS LED Safety/Street Light Retrofit	16,310	-	-	16,310
FUND TOTAL				\$ 23,686	\$ -	\$ -	\$ 23,686
2012 WATER REVENUE BOND PROJECT FUND							
	453	65890	WATER Mangular Blending Facility	\$ 5,622,577	\$ -	\$ -	\$ 5,622,577
FUND TOTAL				\$ 5,622,577	\$ -	\$ -	\$ 5,622,577
2013 WASTEWATER REVENUE BOND PROJECT FUND							
	454	60140	WRCLM Water Reclamation Facility #1B Energy Efficiency Upgrades	\$ 858,898	\$ -	\$ -	\$ 858,898
	454	62610	WRCLM Water Reclamation Facility #1 Centrifuge	94,392	-	-	94,392
	454	68310	WRCLM Water Reclamation Facility #1 Biosolids Processing Upgrade	764,075	-	-	764,075
FUND TOTAL				\$ 1,717,366	\$ -	\$ -	\$ 1,717,366
LMD 84-2 LANDSCAPE ZONE 7 FUND							
	458	70460	PARKS Landscape Retrofit Project	\$ 176,090	\$ -	\$ -	\$ 176,090
FUND TOTAL				\$ 176,090	\$ -	\$ -	\$ 176,090

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN
Schedule of Estimated Carryover and New Funding, by Fund

<u>Fund</u>	<u>Project No.</u>	<u>Program Name</u>	<u>Description</u>	<u>Estimated Carryover Funding</u>	<u>FY 2019-20 Adopted</u>	<u>FY 2020-21 Forecast</u>	<u>Total Available</u>
LMD 84-2 LANDSCAPE ZONE 10 FUND							
460	70440	PARKS	Landscape Retrofit/Slope Study - LMD 84-2, Zone 10	\$ 970,208	\$ -	\$ -	\$ 970,208
460	71620	PARKS	LMD 84-2 Zone 10 Slope Improvement/Stabilization Project	908,681	-	-	908,681
FUND TOTAL				\$ 1,878,889	\$ -	\$ -	\$ 1,878,889
LMD 84-2 LANDSCAPE ZONE 14 FUND							
461	70460	PARKS	Landscape Retrofit Project	\$ 533,750	\$ -	\$ -	\$ 533,750
FUND TOTAL				\$ 533,750	\$ -	\$ -	\$ 533,750
TUMF - RCTC FUND							
478	86040	STRTS	Foothill Parkway Westerly Extension	\$ 4,375,320	\$ -	\$ -	\$ 4,375,320
FUND TOTAL				\$ 4,375,320	\$ -	\$ -	\$ 4,375,320
TUMF - WRCOG FUND							
479	69370	STRTS	McKinley Grade Separation	\$ 1,352,097	\$ -	\$ -	\$ 1,352,097
479	71150	STRTS	Auto Center Drive/Burlington Northern Santa Fe Railroad Grade Separation	187,736	-	-	187,736
FUND TOTAL				\$ 1,539,834	\$ -	\$ -	\$ 1,539,834
REIMBURSEMENT GRANTS FUND							
480	70113	FCLTS	FY18 HSGP PSEC Base Radios	\$ 26,900	\$ -	\$ -	\$ 26,900
480	72050	WATER	Alcoa Dike Potable Water Non-Compliance	5,000	-	-	5,000
480	72051	WATER	Alcoa Dike Administration	5,000	-	-	5,000
480	72052	WATER	Alcoa Dike Auburndale Storm Drain Line Relocation	5,000	-	-	5,000
480	72053	WATER	Alcoa Dike Rincon Storm Drain Line Relocation	5,000	-	-	5,000
FUND TOTAL				\$ 46,900	\$ -	\$ -	\$ 46,900

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN
Schedule of Estimated Carryover and New Funding, by Fund

<u>Fund</u>	<u>Project No.</u>	<u>Program Name</u>	<u>Description</u>	<u>Estimated Carryover Funding</u>	<u>FY 2019-20 Adopted</u>	<u>FY 2020-21 Forecast</u>	<u>Total Available</u>
WATER CAPACITY FUND							
507	68420	WATER	Home Gardens Water District Well Collection Project	\$ 1,082,846	\$ -	\$ -	\$ 1,082,846
507	68510	WATER	Home Gardens Ion Exchange Resin Treatment Plant	9,082	-	-	9,082
507	69770	WATER	1380 - Zone Water Storage Tank	99,085	-	-	99,085
507	70330	WATER	Home Gardens Well 33	562,028	-	-	562,028
507	72060	WATER	Home Gardens Well 32	246,074	-	-	246,074
507	72320	WATER	Sixth Street Waterline Replacement Grand / Rimpau	227,200	-	-	227,200
507	72390	WATER	Bedford Canyon Road Waterline	48,115	-	-	48,115
507	72400	WATER	Sierra Bella Booster Station	8,663	-	-	8,663
FUND TOTAL				\$ 2,283,094	\$ -	\$ -	\$ 2,283,094
RECLAIMED WATER UTILITY FUND							
*	567	69710	WATER Western Riverside County Regional Wastewater Authority (WRCRWA) Reclaimed Waterline	\$ 196,130	\$ -	\$ 997,860	\$ 1,193,990
	567	69820	WATER SCADA Panel Replacement	40,954	-	-	40,954
*	567	70370	WATER Old Temescal Road Reclaimed Waterline	19,526	-	948,250	967,776
	567	70390	WATER SCADA Backbone Licensed Radio Installation	4,320	-	-	4,320
	567	71500	WATER Lincoln Avenue Reclaimed Waterline	27,248	-	-	27,248
*	567	72310	WATER Development Meters	6,000	16,000	-	22,000
	567	72460	WRCLM Santa Ana River Trail Sewer Extension	1,358	-	-	1,358
*	567	72740	WATER Border Booster Station Pump Replacement	44,621	200,000	200,000	444,621
	567	72750	FCLTS Business Process Management	8,250	-	-	8,250
*	567	72760	WATER Western Riverside County Regional Waste Water Authority (WRCRWA) Flow Control Improvements	-	-	1,050,000	1,050,000
	567	72820	FCLTS Grape Hill Telecommunications Tower No. 2	22,760	-	-	22,760
*	567	73890	WATER Adjacent Irrigation Conversion	-	133,800	133,800	267,600
*	567	73900	WATER Reclaimed Waterline Infrastructure	-	54,375	-	54,375
FUND TOTAL				\$ 371,168	\$ 404,175	\$ 3,329,910	\$ 4,105,253

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN

Schedule of Estimated Carryover and New Funding, by Fund

<u>Fund</u>	<u>Project No.</u>	<u>Program Name</u>	<u>Description</u>	<u>Estimated Carryover Funding</u>	<u>FY 2019-20 Adopted</u>	<u>FY 2020-21 Forecast</u>	<u>Total Available</u>	
WATER UTILITY FUND								
	570	62840	WATER	SR-91 DWP Facility Relocations	\$ 300,258	\$ -	\$ -	\$ 300,258
*	570	65310	WATER	Emergency Generators	585,941	250,000	250,000	1,085,941
	570	65890	WATER	Mangular Blending Facility	4,632,484	-	-	4,632,484
*	570	66080	WATER	SW Quadrant Waterline Replacement - Phase I	114,416	-	3,000,000	3,114,416
	570	66110	WATER	SE Quadrant Waterline Replacement	65,877	-	-	65,877
	570	66450	WATER	R-3 Water Storage Tank	47,174	-	-	47,174
*	570	68180	WATER	Lester Post Disinfection Station	-	280,000	-	280,000
*	570	68260	WATER	Well 14A	-	-	400,000	400,000
*	570	68270	WATER	Well 15 Relocation	777,336	2,206,705	-	2,984,041
	570	68280	WATER	Repipe Well 22	7,903	-	-	7,903
	570	68390	WATER	Corona Airport Waterline	71,666	-	-	71,666
	570	68510	WATER	Project & Well Design	76,410	-	-	76,410
	570	68520	WATER	Keith Water Storage Tank	7,006,759	-	-	7,006,759
	570	68570	WATER	Hidden Springs Road Waterline	17,165	-	-	17,165
	570	68660	WATER	Enterprise Asset Management (EAM) Program	366,634	-	-	366,634
*	570	68680	WATER	Well Rehabilitation - Well 19	283,943	450,000	450,000	1,183,943
	570	69120	FCLTS	City Unified Camera Project	9,586	-	-	9,586
	570	69720	WATER	Arcadia/Minnesota Waterline Replacement	691,287	-	-	691,287
	570	69750	WATER	SDO TP - CO2 Injection System	66,270	-	-	66,270
	570	69810	WATER	West End Wellfield Pipeline	148,883	-	-	148,883
*	570	69820	WATER	SCADA Panel Replacement	51,268	600,000	600,000	1,251,268
	570	69980	WATER	Residential Turf Removal Rebate Project	959,953	-	-	959,953
	570	70150	FCLTS	City Unified Camera Project, Phase II	60,284	-	-	60,284
	570	70380	WATER	Rincon Bridge	15,613	-	-	15,613
	570	70390	WATER	SCADA Backbone Licensed Radio Installation	79,198	-	-	79,198
	570	71560	WATER	Downtown Sixth Street Waterline Replacement	169,185	-	-	169,185
	570	71610	WATER	City Park Basketball and Volleyball Court Relocation	156,826	-	-	156,826
*	570	71870	WATER	Meter Replacement	30,654	700,000	900,000	1,630,654

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN

Schedule of Estimated Carryover and New Funding, by Fund

Fund	Project No.	Program Name	Description	Estimated	FY 2019-20	FY 2020-21	Total Available	
				Carryover Funding	Adopted	Forecast		
570	71890	WATER	Water Systems Improvement Project	132,530	-	-	132,530	
*	570	71930	WATER	Waterline Infrastructure	43,280	1,138,500	960,000	2,141,780
*	570	71990	FCLTS	Household Hazardous Waste Facility	215,582	144,800	-	360,382
	570	72050	WATER	Alcoa Dike Potable Water Non-Compliance	27,341	-	-	27,341
*	570	72310	WATER	Development Meters	208,307	511,021	-	719,328
	570	72320	WATER	Sixth Street Waterline Replacement - Grand to Rimpau	457,407	-	-	457,407
	570	72420	WRCLM	Water Reclamation Facility #1 Communications Tower	53,657	-	-	53,657
	570	72440	WATER	Sixth & Yorba Street Waterline Replacement	1,177,800	-	-	1,177,800
	570	72470	WATER	R-3 Potable Tank Pavement Repair	72,051	-	-	72,051
*	570	72490	WATER	Hayden and Howe Street Waterline Replacement	393,449	170,000	-	563,449
	570	72750	FCLTS	Business Process Management	151,250	-	-	151,250
*	570	72780	WATER	1220 - Zone Booster Pump Station	500,000	4,000,000	-	4,500,000
	570	72800	WATER	SDO Treatment Plant Landscape Repair	33,006	-	-	33,006
	570	72820	FCLTS	Grape Hill Telecommunications Tower No. 2	91,751	-	-	91,751
*	570	73290	WATER	Temescal Canyon Road Widening Project, Temescal Valley, Utilities Relocation	40,648	100,000	-	140,648
	570	86040	STRTS	Foothill Parkway Westerly Extension	40,398	-	-	40,398
*	570	73910	WATER	Generator DPF at Well 22 and Lester WTP	-	700,000	-	700,000
*	570	73920	WATER	Waterline Replacement at Sherman Avenue	-	250,000	-	250,000
	570	73930	WATER	Sustainable Groundwater Planning Grant	249,792	-	-	249,792
FUND TOTAL				\$ 20,681,223	\$ 11,501,026	\$ 6,560,000	\$ 38,742,249	

WATER UTILITY GRANT/AGREEMENT FUND

*	571	69710	WATER	Western Riverside County Regional Wastewater Authority (WRCRWA) Reclaimed Waterline	\$ 73,336	\$ 2,195,983	\$ -	\$ 2,269,319
*	571	69711	WATER	Western Riverside County Regional Wastewater Authority (WRCRWA) Reclaimed Waterline	25,648	1,397,522	-	1,423,170
*	571	70370	WATER	Old Temescal Road Reclaimed Waterline	6,244	-	982,750	988,994
	571	71500	WATER	Lincoln Avenue Reclaimed Waterline	9,083	-	-	9,083
	571	71860	WATER	River Road Reclaimed Waterline - Corydon to Lincoln	50,000	-	-	50,000

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN

Schedule of Estimated Carryover and New Funding, by Fund

Fund	Project No.	Program Name	Description	Estimated	FY 2019-20	FY 2020-21	Total Available
				Carryover Funding	Adopted	Forecast	
571	73930	WATER	Sustainable Groundwater Planning Grant	732,338	-	-	732,338
571	72054	WATER	Alcoa Dike Crossing Dike CML-TW Water Line Protection in Place	21,875	-	-	21,875
FUND TOTAL				\$ 918,524	\$ 3,593,505	\$ 982,750	\$ 5,494,779

WATER RECLAMATION UTILITY FUND

572	60140	WRCLM	Water Reclamation Facility #1B Energy Efficiency Upgrades	\$ 474,728	\$ -	\$ -	\$ 474,728	
572	62610	WRCLM	Water Reclamation Facility #1 Centrifuge	65,352	-	-	65,352	
572	68310	WRCLM	Water Reclamation Facility #1 Biosolids Processing Upgrade	517,930	-	-	517,930	
*	572	68400	WRCLM	Research/Railroad Waterline Replacement	50,000	-	500,000	550,000
572	68660	WATER	Enterprise Asset Management (EAM) Program	550,609	-	-	550,609	
572	68710	WRCLM	Sierra Del Oro Lift Station and Pipelines	260,775	-	-	260,775	
572	69120	FCLTS	City Unified Camera Project	9,586	-	-	9,586	
572	69820	WATER	SCADA Panel Replacement	156,334	-	-	156,334	
572	69830	WRCLM	Water Reclamation Facilities (WRF) Lighting Upgrades	6,358	-	-	6,358	
572	69840	WRCLM	Water Reclamation Facility #1 Secondary Clarifier	153,524	-	-	153,524	
572	69860	WRCLM	California Avenue Sewer Improvement	779,980	-	-	779,980	
572	69870	WRCLM	Water Reclamation Facility #3 Decommissioning - Force Main	2,454,787	-	-	2,454,787	
572	69880	WRCLM	Water Reclamation Facility #3 Decommissioning - Lift Station	4,547,895	-	-	4,547,895	
572	70150	FCLTS	City Unified Camera Project, Phase II	113,375	-	-	113,375	
572	70380	WATER	Rincon Bridge	591,472	-	-	591,472	
572	70390	WATER	SCADA Backbone Licensed Radio Installation	79,555	-	-	79,555	
572	71580	WRCLM	Arantine Hills - Force Main	701,653	-	-	701,653	
572	71590	WRCLM	Arantine Hills Sewer Lift Station	1,596,082	-	-	1,596,082	
*	572	71950	WRCLM	Sewer Line Infrastructure	64,272	364,500	-	428,772
*	572	72020	WRCLM	Wardlow Road Sewer Relocation Project	949,835	250,000	-	1,199,835
572	72050	WATER	Alcoa Dike Potable Water Non-Compliance	15,000	-	-	15,000	
572	72051	WATER	Alcoa Dike Administration	349,288	-	-	349,288	
572	72420	WRCLM	Water Reclamation Facility #1 Communication Tower	55,760	-	-	55,760	
572	72460	WRCLM	Santa Ana River Trail Sewer Extension	3,901	-	-	3,901	

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN

Schedule of Estimated Carryover and New Funding, by Fund

Fund	Project No.	Program Name	Description	Estimated	FY 2019-20	FY 2020-21	Total Available	
				Carryover Funding	Adopted	Forecast		
*	572	72720	WATER	Alcoa Reclaimed Water Effluent Relocation and Pipe Removal	599,695	800,000	-	1,399,695
	572	72750	FCLTS	Business Process Management	85,250	-	-	85,250
	572	72820	FCLTS	Grape Hill Telecommunications Tower No. 2	92,597	-	-	92,597
*	572	73940	WRCLM	Automatic Transfer Switch Change Outs	-	100,000	100,000	200,000
*	572	73950	WRCLM	Green River Lift Station Flowmeter and Vault	-	50,000	-	50,000
*	572	73960	WRCLM	SDO Lift Station Sancon Coating	-	100,000	-	100,000
*	572	NEW	WRCLM	Smith and Rincon Backup Diesel Pump	-	-	150,000	150,000
*	572	73970	WRCLM	Water Reclamation Facility #1 Automatic Transfer Switch	-	125,000	125,000	250,000
*	572	73980	WRCLM	Water Reclamation Facility #1 Secondary Gallery	-	125,000	-	125,000
*	572	73990	WRCLM	Water Reclamation Facility #2 Equalization Basin Replacement	-	5,500,000	-	5,500,000
*	572	74000	WRCLM	Water Reclamation Facility #2 Roadway Lighting	-	40,000	-	40,000
FUND TOTAL					\$ 15,325,590	\$ 7,454,500	\$ 875,000	\$ 23,655,090

WATER RECLAMATION UTILITY GRANT/AGREEMENT FUND

	573	72054	WATER	Alcoa Dike Crossing Dike VCP Sewer Line Protection in Place	\$ 24,348	\$ -	\$ -	\$ 24,348
	573	72460	WRCLM	Santa Ana River Trail Sewer Extension	58,867	-	-	58,867
FUND TOTAL					\$ 83,215	\$ -	\$ -	\$ 83,215

ELECTRIC UTILITY FUND

*	578	65750	ELECT	Pad Mounted Enclosure (PME) Switches Upgrade	\$ 249,281	\$ 200,000	\$ 200,000	\$ 649,281
	578	68660	WATER	Enterprise Asset Management (EAM) Program	166,985	-	-	166,985
	578	68750	ELECT	SCADA	139,480	-	-	139,480
	578	69090	ELECT	Distribution Circuit Installation	450,000	-	-	450,000
	578	69600	ELECT	Electric Vehicle (EV) Charging Stations	10,519	-	-	10,519
	578	69960	ELECT	Plug In Vehicle (PEV) Readiness Plan	189,007	-	-	189,007
	578	70380	WATER	Rincon Bridge	16,041	-	-	16,041
	578	72310	WATER	Development Meters	20,230	-	-	20,230
	578	72750	FCLTS	Business Process Management	30,250	-	-	30,250
	578	72810	ELECT	Wholesale Distribution Access Tariff ("WDAT") 1512	150,000	-	-	150,000

* Indicates New Project or Funding

CAPITAL IMPROVEMENT PLAN

Schedule of Estimated Carryover and New Funding, by Fund

<u>Fund</u>	<u>Project No.</u>	<u>Program Name</u>	<u>Description</u>	<u>Estimated Carryover Funding</u>	<u>FY 2019-20 Adopted</u>	<u>FY 2020-21 Forecast</u>	<u>Total Available</u>
578	73300	ELECT	Temescal Canyon Road Electric Backbone	760,000	-	-	760,000
*	578	74010	ELECT	Dos Lagos Replacement of BURD Transformers	-	90,000	90,000
*	578	74020	ELECT	Electric Distribution System Inventory Condition and Assessment	-	200,000	200,000
*	578	74030	ELECT	Temescal Transmission Line Extension	-	2,500,000	2,500,000
FUND TOTAL				\$ 2,181,794	\$ 2,990,000	\$ 200,000	\$ 5,371,794
ELECTRIC UTILITY GRANT/AGREEMENT FUND							
579	69601	ELECT	EV Charging Stations - CEC	\$ 127,555	\$ -	\$ -	\$ 127,555
579	69602	ELECT	EV Charging Stations - MSCR	28,951	-	-	28,951
FUND TOTAL				\$ 156,507	\$ -	\$ -	\$ 156,507
INFORMATION TECHNOLOGY FUND							
681	74040	FCLTS	VoIP Phone Service	\$ 400,000	\$ -	\$ -	\$ 400,000
681	72750	FCLTS	Business Process Management	150,000	-	-	150,000
681	74050	FCLTS	Enterprise Power Backup and Storage	150,000	-	-	150,000
681	74060	FCLTS	Budget Management Software	185,000	-	-	185,000
681	74070	FCLTS	Fire Incident Report Writing Software	98,860	-	-	98,860
FUND TOTAL				\$ 983,860	\$ -	\$ -	\$ 983,860
FLEET OPERATIONS FUND							
682	68340	FCLTS	Vehicle Replacement	\$ 163,706	\$ -	\$ -	\$ 163,706
682	68380	FCLTS	Public Access Compressed Natural Gas	17,718	-	-	17,718
*	682	68920	FCLTS	Corporation Yard Facility Capital Improvements	-	77,500	77,500
682	70150	FCLTS	City Unified Camera Project, Phase II	25,502	-	-	25,502
FUND TOTAL				\$ 206,926	\$ 77,500	\$ -	\$ 284,426
CAPITAL PROJECTS - TOTAL OF CONTINUING APPROPRIATIONS AND NEW FUNDING				\$ 218,396,049	\$ 43,843,783	\$ 46,737,729	\$ 308,977,561

* Indicates New Project or Funding

Program Name: Electric

Project Name and Description	Fund Source	Fund No.	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Program Category: Electric Distribution Upgrades												
Pad Mounted Enclosure (PME) Switches Upgrade Upgrade approximately 10 PME switches.	ELECU	578	65750	75,719	249,281	200,000	200,000	-	-	-	-	725,000
Distribution Circuit Installation Back up feed cable.	ELECU	578	69090	-	450,000	-	-	-	-	-	-	450,000
Wholesale Distribution Access Tariff ("WDAT") 1512 Construction of a City of Corona to Edison interconnect facility located at the intersection of Rincon and Lincoln.	ELECU	578	72810	-	150,000	-	-	-	-	-	-	150,000
Temescal Canyon Road Electric Backbone Construction of an electric backbone system to connect the Crossings and Dos Lagos while completing the adjacent sewer line installation at Temescal Canyon. By completing this project, work can be completed simultaneously with the sewer line project eliminating the need for additional mobilizing and trenching.	ELECU	578	73300	-	760,000	-	-	-	-	-	-	760,000
Dos Lagos Replacement of Burd Transformers Replacement of ten Burd transformers at Dos Lagos.	ELECU	578	74010	-	-	90,000	-	-	-	-	-	90,000
Electric Distribution System Inventory Condition and Assessment Project consists of updating the City's distribution system inventory, performing condition assessments on assets, providing replacement costs and estimated useful life for different asset classes, and labeling all equipment in the field. Information will be utilized to populate the City's Asset Management Program and Geographic Information System (GIS).	ELECU	578	74020	-	-	200,000	-	-	-	-	-	200,000

CAPITAL IMPROVEMENT PLAN - Project Cost Listing

Program Name: Electric

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Temescal Transmission Line Extension Electric utility transmission line extension to include 5,000 feet of overhead wiring, replacement and relocation of specified utility poles along Temescal Canyon Road, and the installation of approximately 3,900 feet of underground utility sections including four automatic switches.	ELECU	578	74030	-	-	2,500,000	-	-	-	-	-	2,500,000
Electric Distribution Upgrades Total				\$ 75,719	\$ 1,609,281	\$ 2,990,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 4,875,000

Program Category: General Safety, Maintenance and Other Improvements

SCADA New system for Electric System monitoring.	ELECU	578	68750	419,515	139,480	-	-	-	-	-	-	558,995
Electric Vehicle (EV) Charging Stations Install electric vehicle charging stations at Dos Lagos, Crossings and the Business Park in South Corona.	ELECU	578	69600	38,849	10,519	-	-	-	-	-	-	49,368
	ELECG	579	69601	198,077	127,555	-	-	-	-	-	-	325,632
	ELECG	579	69602	96,049	28,951	-	-	-	-	-	-	125,000
Plug In Vehicle (PEV) Readiness Plan Grant funding from the California Energy Commission's (CEC) Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP) to assist with the installation of charging stations.	ELECU	578	69960	86,071	189,007	-	-	-	-	-	-	275,078
General Safety, Maintenance and Other Improvements Total				\$ 838,559	\$ 495,514	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,334,073

ELECTRIC TOTAL				\$ 914,278	\$ 2,104,795	\$ 2,990,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 6,209,073
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Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Project Fund No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY	FY	FY	FY	FY	Future Years	Total Project Cost	
					2019-20	2020-21	2021-22	2022-23	2023-24			
Program Category: City Facility Improvements and Upgrades												
City Hall Facilities - Capital Improvements	GEN FD	110	61490	243,574	1,570	15,000	22,000	-	-	-	-	282,144
Maintenance to City Hall facility including parking facilities. Cooling tower media replacement and miscellaneous replacements.	CITY FAC	689	61490	252,642	-	-	-	-	-	-	-	252,642
Civic Center Gymnasium	GEN FD	110	61690	-	-	20,000	-	-	-	-	-	20,000
Replace 2nd floor windows and install new HVAC system.	PBMFTF	215	61690	-	-	-	-	-	-	570,000	-	570,000
City Fire Stations Capital Improvements	GEN FD	110	62400	522,904	7,858	226,000	391,300	270,000	124,000	-	-	1,542,063
Fire Stations repairs and preventative care.												
Library Facilities Capital Improvements	GEN FD	110	62950	122,254	169,488	120,000	780,000	-	-	-	-	1,191,742
Facility improvements, replacements and major rehabilitation. Replace carpet: Phase I, Public areas 1st floor, 21,000 sq ft., replace carpet Phase II.												
Fire Facilities Expansion/Planning	FIRE FAC	214	64110	246,613	48,979	-	-	-	-	-	-	295,592
Increase capacity of facilities to accommodate redeployment of equipment and apparatus. Includes architecture and engineering services and construction. Project includes planning necessary due to development impacts.												
Public Access Compressed Natural Gas	FLT OPER	682	68380	60,992	17,718	-	-	-	-	-	-	78,710
Expand the CNG storage and dispensing capabilities of the CNG fueling station located at 430 N. Cota Avenue.												
Corporation Yard Facility Capital Improvements	GEN FD	110	68920	116,006	816	-	100,000	-	-	-	-	216,822
730 PD Bldg.: Roof upgrades, change out wet media on cooling tower, install AC unit for dispatch, remote monitoring of PD generator & fuel tank. 710-770 Bldgs.: change wall pack lights to LED.	FLEET	682	68920	-	-	77,500	-	-	-	-	-	77,500
Airport Facilities Capital Improvements	AIRPT	275	69890	69,502	190,998	-	-	-	-	-	-	260,500
Restripe, Improvements to tie-downs. FY 2019-20 Runway rehab, work performed over two years.												

Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Historic Civic Center Facility Capital Improvements Capital Improvements & Enhancements: Sprinkler System, Security Camera System, Replace 5 HVAC units, repair roof leaks, increase exterior lighting, remove fountain, directional signs for visitors. Theater: Deep cleaning of chairs, rugs and stage curtain, new sound & lighting system.	CIVICCTR	232	70140	67,886	4,114	120,000	-	-	-	-	-	192,000
Vicentia Activity Center Interior ADA improvements to the building.	PBMFTF	215	71640	12,611	27,389	-	-	-	-	-	105,000	145,000
City Hall Security Improvements City Hall security improvements as related to active shooter incident or threats against City employees and citizens.	GEN FD	110	71650	7,011	767,989	-	-	-	-	-	-	775,000
Community Center Facilities Capital Improvements Auburndale CC - Resurface basketball & tennis courts and restripe adding pickle ball stripes. City Park Pool - Replace pool cover.	GEN FD	110	72080	46,217	7,183	20,000	43,500	-	-	-	-	116,900
Police Firearm Facility Repairs/Replacement Target system and related equipment repair and replacement.	CALCOPS	231	72380	175,505	-	-	-	-	-	-	-	175,505
Animal Shelter Playground/Social Yard Design and build a social yard for pets.	GEN FD	110	72410	88,281	2,211	-	-	-	-	-	-	90,492
Police Department Facility Improvements Restriping of secured parking lot; replacement of shade coverings; and other minor police facility improvements.	GEN FD	110	72530	58,119	1,181	25,000	490,300	15,000	15,000	15,000	200,000	819,600
Replacement of Dispatch Furniture Dispatch furniture is approaching its ten year life cycle in 2018. There have been minor parts continuously being replaced within the operational budget, however, recent expenses are approaching \$15-\$20K. Equipment/furniture is used 24/7 in the public safety dispatch unit. The Department spent about \$180K in 2008.	GEN FD	110	72570	-	250,000	-	-	-	-	-	-	250,000

Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
<u>Stand Alone Air Conditioner for the Dispatch Communications Center</u> A stand alone air conditioner will allow the 24/7 Dispatch Center to have access to an air conditioner, should the main facility air conditioner fail.	GEN FD	110	72580	-	-	-	-	-	-	-	-	-
<u>Library Automated Materials Handling System</u> The library will purchase and install an Automated Materials Handling (AMH) machine. The AMH will reduce or eliminate the need for staff to handle and sort items as they are returned to the library. In addition to the improved handling, AMH systems will also automatically identify each item by RFID, check it back in and activate the RFID security – making it shelf ready. As part of the installation of the AMH, the current check-in space will need to be reconfigured.	LIB CF	206	72590	10,231	53,769	-	-	-	-	-	-	64,000
<u>Animal Shelter Gate and Driveway</u> Widen secured gate and install concrete driveway approach. Current configuration is too small and is resulting in damage to fencing and city vehicles.	GEN FD	110	73780	-	-	25,000	-	-	-	-	-	25,000
<u>Prop 68 City Park Improvements</u> Preparation of materials for public information meetings to determine design elements for the grant application for Prop 68 for City Park Improvements. Prepare graphics and design plans for purpose of submitting a grant application.	GEN FD	110	73830	12,479	22,521	-	-	-	-	-	-	35,000
<u>City Hall Carpet Replacement</u> Replace 90,000 sq. ft. of carpeting at City Hall.	GEN FD	110		-	-	-	232,560	237,211	-	-	-	469,771
<u>City Hall Roof</u> Replace roof at City Hall, 74,000 sq. ft.	GEN FD	110		-	-	-	-	2,590,000	-	-	-	2,590,000
<u>Community Center Generator</u> 400kW backup generator for the Community Center Facility. Cooling Center.	GEN FD	110		-	-	-	425,000	-	-	-	-	425,000

Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Police Locker Room Return Air Duct The Controlled air intake into the Police locker area is controlled by 100% of outside air. It is recommended to redesign the system by installing a return air duct into the men's and women's locker area.	GEN FD	110		-	-	-	-	75,000	-	-	-	75,000
City Facility Improvements and Upgrades Total				\$ 8,226,196	\$ 1,573,783	\$ 648,500	\$ 2,484,660	\$ 3,187,211	\$ 139,000	\$ 15,000	\$ 875,000	\$ 17,149,350

Program Category: City Systems and Controls

City Unified Camera Project Design to combine and add CCTV high definition cameras and supporting infrastructure Citywide so that the Police Department can monitor various location/areas. Phase I will include the 444 existing cameras and new ones to be purchased as needed for City Hall, the Police Station, Temescal PS Facility, Corporation Yard Buildings, Library, Fleet and Warehouse, three cell site towers, Butterfield, Citrus, City, Cresta Verde, Mountain Gate, and Santana Parks.	GEN FD	110	69120	1,381,522	336,458	-	-	-	-	-	-	1,717,980
	POL FAC	213	69120	13,712	1,289	-	-	-	-	-	-	15,000
	WTRUF	570	69120	90,895	9,586	-	-	-	-	-	-	100,480
	WRUF	572	69120	90,895	9,586	-	-	-	-	-	-	100,480
Emergency 911 Phone System Replacement of the current emergency 911 phone system, voice recording system, public safety dispatch consoles and the EMD certification software.	GEN FD	110	70100	883,341	-	-	500,000	-	-	-	550,000	1,933,341
Public Safety Enterprise Communication (PSEC)	GEN FD	110	70110	1,196,365	193,325	-	-	-	-	-	-	1,389,690
Radio Interoperability Migrate to the County Public Safety Enterprise Communication (PSEC) radio system to provide additional channels, wider area coverage, improved in-building penetration and countywide interoperability. It will also provide the ability to communicate with other agencies immediately.	REIMB GT	480	70113	5,500	26,900	-	-	-	-	-	-	32,400

Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
City Unified Camera Project, Phase II	GEN FD	110	70150	426,629	98,580	-	-	-	-	-	-	525,209
Phase II for the closed circuit television (CCTV) high definition cameras and supporting infrastructure	WTRUF	570	70150	169,646	60,284	-	-	-	-	-	-	229,930
Citywide for the Police Department to monitor various locations/areas. Phase II includes new cameras to be purchased as needed for the City Hall parking lot / drop box, 15 Parks, traffic infrastructure and various DWP facilities.	WRUF	572	70150	25,502	113,375	-	-	-	-	-	-	138,877
	FLEET	682	70150	-	25,502	-	-	-	-	-	-	25,502
	CDBG	431	70156	92,281	1,844	-	-	-	-	-	-	94,125
Geographic Information System (GIS) Master Plan	WR CAP	440	71030	44,572	1,550	-	-	-	-	-	-	46,122
Acquisition of hardware and software, data conversion and applications development to expand the existing GIS program for citywide implementation.												
Remote Monitoring MDF/IDF Rooms	GEN FD	110	71550	135,509	40,111	-	-	-	-	-	-	175,620
Purchase remote monitoring system for the City's Main Frame (MDF) and Intermediate Distribution Frame (IDF) rooms. The system will monitor temperature, infrared motion/intrusion, humidity, water, smoke, and includes IP-based cameras for rooms that house the City's servers, networking computers, phone and radio equipment.												
Police Body Worn Cameras	GEN FD	110	71630	241,000	-	35,000	35,000	35,000	35,000	35,000	355,000	771,000
Purchase of body worn cameras and related equipment, to document incidents that occur within the community.												
Fire Station Alerting Systems	GEN FD	110	71660	-	223,000	42,000	-	-	-	-	-	265,000
Implementation of a new modern fire station alerting system allowing crew notification at the time of dispatch to increase efficiency and provide services that meet the Fire Department's response time objectives. Required to meet national standards specified by NFPA 1221.	FIRE FAC	214	71660	-	237,000	48,000	-	-	-	-	-	285,000
Police CAD/RMS System	GEN FD	110	71670	657,027	1,289,973	-	-	-	-	-	-	1,947,000
Computer Aided Dispatch (CAD) and Records Management System (RMS) that will interface and integrate records and data for all public safety needs.												

Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
<p><u>Timekeeping System</u> Purchase and implementation of a system to assist with more accurate timekeeping capabilities.</p>	GEN FD	110	72330	58,849	441,151	-	-	-	-	-	-	500,000
<p><u>New VHF Radio Simulcast and Backhaul System</u> The City's existing VHF Simulcast Radio system has reached its end of life and needs to be replaced with a new VHF Simulcast system. The VHF system is the communication method for the Fire Department and the backup communication method for the Police Department. The existing equipment has reached its end of life and is becoming no longer serviceable. In its current condition the system will soon reach a point where we are unable to maintain it and keep it online. Maintenance Services has implemented annual Preventive Maintenance screenings and repairs which have increased the longevity of the system but without a replacement in the next 12-18 months the system will continue to deteriorate.</p>	GEN FD	110	72520	-	2,000,000	-	-	-	-	-	-	2,000,000
<p><u>Replace Microwave Links to Fire Station</u> The City uses microwave radio links to connect the fire stations with City Hall for networking capabilities including internet and City intranet. The existing system is aged and becoming increasingly difficult and expensive to service. The Fire Department is implementing a new tone alerting system for the Fire Stations that will run on this network. In its current condition the network is unreliable and outdated. In order to ensure the fire stations receive prompt and reliable tone alerting to dispatch fire personnel and apparatus to emergencies the City has an immediate need to replace the radio network between the facilities.</p>	GEN FD	110	72540	-	190,000	-	-	-	-	-	-	190,000
<p><u>Replace Shooting Range Chillers</u> Replace the three shooting range chillers for three air conditioning units.</p>	GEN FD	110	72550	-	100,000	-	-	-	-	-	-	100,000

Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Replace Technology in Police Training Rooms Upgrade technology for better utilization of the classrooms, update and separate the video and audio systems. Later replace chairs and tables, update kitchen.	GEN FD	110	72560	-	76,500	-	-	-	-	-	75,000	151,500
Grapehill Telecommunication Tower No. 2 The existing communications tower has reached a near maximum capacity for radio infrastructure. As the City continues to enhance its radio and wireless communications, there is a need to install a second tower on the property. The new site will be used primarily by the Department of Water and Power (DWP) with some space dedicated for non-DWP radios. DWP has existing radios on the current tower which will be relocated as part of this process, freeing up space on Tower #1. In addition, Riverside County has a need to install more equipment at Grape Hill to improve radio communications to the McKinley area. As such, there is an immediate need to begin design, soil sampling, and the permitting process to get approval for the second tower.	GEN FD	110	72820	15,298	37,702	-	-	-	-	-	-	53,000
	RECYC	567	72820	9,192	22,760	-	-	-	-	-	-	31,952
	WTRUF	570	72820	30,030	91,751	-	-	-	-	-	-	121,781
	WRUF	572	72820	28,184	92,597	-	-	-	-	-	-	120,781
Energy Efficient Air Condition Control System - Police Facility Computerize the Police facility's air conditioning system for more energy efficient control system.	GEN FD	110		-	-	-	-	-	-	-	80,000	80,000
City Systems and Controls Total				\$ 5,595,949	\$ 5,720,822	\$ 125,000	\$ 535,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 1,060,000	\$ 13,141,771

Program Category: Community Assets and Programmatic Projects

Fire Equipment Acquisition Acquisition of fire equipment necessary to assist in firefighting efforts in the designated areas of the City.	WLDLD	207	62900	66,592	1,405	-	-	-	-	-	-	67,997
	FIRE FAC	214	62900	658,442	153,052	-	-	-	-	-	-	811,494

Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Fund No.	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Recreational Activities Allowable activity provided by the City of Corona or a Corona based non-profit organization providing needed services to the community. City Manager is able to approve funds on any City service or need identified by the City Council, via an executed Donation Agreement.	GEN FD	110	63130	117,855	950	-	-	-	-	-	-	118,805
Code Enforcement Interior housing Inspections for Health and Safety concerns.	CDBG	431	63460	-	-	100,000	-	-	-	-	-	100,000
Graffiti Removal Program to address the removal of graffiti from homes, businesses, and city right-of-way's.	CDBG	431	63470	-	-	7,150	-	-	-	-	-	7,150
Community Events - Co-Sponsored Co-sponsor community and City signature events.	GEN FD	110	63800	-	34,046	20,000	-	-	-	-	-	54,046
Library Materials Purchase new library materials for addition to the collection in various formats - books, audio-visual materials, periodical subscriptions; and subscribe to on-line database subscriptions.	GEN FD LBRIF	110 206	63900 63900	303,325 535,309	- 74,021	- -	- -	- -	- -	- -	- -	303,325 609,330
Library Materials - Adopt A Book (Friends) Purchase new library materials for addition to the collection in various formats - books, audio-visual materials, periodical subscriptions; and subscribe to on-line database subscriptions. Donated funds by Friends of the Corona Public Library.	GEN FD	110	63901	98,465	3,221	-	-	-	-	-	-	101,686
Skypark OPA Reimbursement per the Owner Participation Agreement and Economic Development Job Creations Grant for the development of industrial, office and research and development buildings.	SUC AG	417	65810	260,988	9,639	48,000	48,960	49,939	50,938	51,957	1,489,218	2,009,639

Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Residential Rehabilitation Program	CDBG	431	67133	753,256	283,657	152,132	-	-	-	-	-	1,189,045
Provides forgivable loans to owner-occupied dwelling units to address critical home improvement needs. The activity will provide a sub grant to Habitat for Humanity to assist mobile homes.	HOME	432	67133	1,334,486	271,712	334,844	-	-	-	-	-	1,941,042
Villa de Corona Apartments-Housing Authority Pledge	SUC AG	417	67580	142,000	200,000	-	-	-	-	-	-	342,000
Annual pledge for County of Riverside Housing Authority refunding of revenue bonds pursuant to agreement.												
Vehicle Replacement	FLEET	682	68340	3,452,494	163,706	-	-	-	-	-	-	3,616,199
Citywide vehicle replacement and up fit.												
Temescal Canyon/ Dos Lagos Owner Participation Agreement	SUC AG	417	68530	5,825,857	25,984	977,328	1,008,908	463,939	-	-	-	8,302,017
Reimbursement per the OPA for Public Improvements.												
City Council Chamber Upgrade	GEN FD	110	68590	1,012,058	27,018	-	-	-	-	-	-	1,039,076
Improvements to the City Council Chambers to enhance public information utilizing Public Education and Governmental (PEG) revenues.												
Corona N Main Development Owner Participation Agreement	SUC AG	417	68630	971,336	121,112	550,000	561,000	572,220	583,664	595,338	4,220,085	8,174,755
Reimbursement per the OPA for Public Improvements.												
Casa de la Villa	SUC AG	417	68700	2,250,000	-	450,000	450,000	450,000	450,000	450,000	900,000	5,400,000
Affordable Housing Agreement annual pledge.												
General Plan/Climate Action Plan Update	GEN FD	110	69060	846,908	229,092	-	-	-	-	-	-	1,076,000
Technical update to the city's General Plan and/or Climate Action Plan.												
Technology Enhancements	GEN FD	110	70130	176,210	73,790	-	-	-	-	-	-	250,000
Technological devices and/or software system improvements to enhance communication and efficiencies within the organization.												

Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
<u>Habitat for Humanity - A Brush With Kindness</u> Home repair program to help preserve home ownership by partnering with homeowners struggling to maintain their home.	CDBG	431	71680	-	-	10,000	-	-	-	-	-	10,000
<u>Corona Innovation Center</u> Create Economic Development Innovation Center allowing all regional economic development partners to be housed in one facility and collaborate on common regional goals.	GEN FD	110	71700	24,455	225,545	-	-	-	-	-	-	250,000
<u>Auto Center Sign</u> Replacement of Auto Center Sign.	GEN FD	110	71710	-	150,000	-	-	-	-	-	-	150,000
<u>CC Development/Orange Housing Development Agreement</u> CC Development and Orange Housing Development Corporation disposition and development agreement to construct an affordable workforce housing project consisting of 85 apartments on 4.01 acres on the south side of East Sixth Street, west of Rimpau Avenue.	CHF	291	71970	2,559,620	8,571	-	-	-	-	-	-	2,568,191
<u>Household Hazardous Waste Facility</u> Construction of a permanent Household Hazardous Waste facility for Corona and Riverside County residents to drop off waste not suitable for landfill disposal.	NPDES WTRUF	245 570	71990 71990	17,763 69,418	32,237 215,582	- 144,800	-	-	-	-	-	50,000 429,800
<u>Emergency Flood Response Grant</u> Development of an Emergency Flood Response Plan in consultation and coordination with other local and state agencies. Development of an Emergency Flood Response Plan in consultation and coordination with other local and state agencies. CA Dept of Water Resources (DWR) Flood Emergency Response Projects (Prop 84) Statewide in union with the Fire Dept. for Corona Flood Emergency Response Project to develop the Emergency Flood Response Plan. Grant to reimburse for City staff time used in plan preparation.	GEN FD	110	72010	67,643	7,357	-	-	-	-	-	-	75,000

Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
<p><u>Corona-Norco YMCA - Childcare Enriched with Fine Arts Education</u> The Corona Norco Family YMCA's new Arts Integration Prototype is designed to provide children from low-income families with multiple levels of art lessons using multiple media and multiple instruments as a component of its childcare programs at four sites including Main YMCA Youth Center (1331 River Road), YMCA Citrus Circle Apartments (301 S. Buena Vista), YMCA Merrill Youth Center (312 S. Merrill) and YMCA Youth Center at City Park (475 E. Grand).</p>	CDBG	431	72640	-	-	21,675	-	-	-	-	-	21,675
<p><u>Corona-Norco United Way - Children and Youth Services</u> The new United Way Children and Youth Success Program (CYSP) provides free tutoring services for children to enhance and support the growth of 3rd to 11th grade students whose parents qualify as low- and moderate-income families. Through the provision of a safe and caring after-school environment, the program provides guidance for students to complete their school assignments.</p>	CDBG	431	72670	-	-	21,675	-	-	-	-	-	21,675
<p><u>Corona-Norco United Way - Children's Wellness Program</u> The Corona-Norco United Way's Children's Wellness Program (CWP) will focus on children who have seen or witnessed domestic violence and provide them with the essential tools that can diminish trauma, focusing on three specific psychosocial developmental stages.</p>	CDBG	431	72690	-	-	21,675	-	-	-	-	-	21,675

Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Fund No.	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
<u>Business Process Management</u>	RECYC	567	72750	-	8,250	-	-	-	-	-	-	8,250
The City of Corona is looking to hire a consultant to use the Six Sigma DMAIC approach of making organization more effective and efficient. This is done through the following methodology steps: Business Process Mapping; Business Process Improvement, Optimization and/or Reengineering; Continuous Improvement. Through Business Process Mapping the consultant would work one-on-one with various function areas and individuals at the City of Corona to outline strategy, map processes, gather requirements and KPIs, validate finds and identify process improvement opportunity.	WTRUF	570	72750	-	151,250	-	-	-	-	-	-	151,250
	WRUF	572	72750	-	85,250	-	-	-	-	-	-	85,250
	ELECU	578	72750	-	30,250	-	-	-	-	-	-	30,250
	INFO TECH	681	72750	-	150,000	-	-	-	-	-	-	150,000
<u>Big Brothers Big Sisters - Preventing Violence Against Girls</u>	CDBG	431	72790	-	-	21,675	-	-	-	-	-	21,675
Big Brothers Big Sisters will provide a sex trafficking prevention initiative for girls that are City of Corona residents as part of their additional one-to-one mentoring program. The Road to Success: Preventing Human Trafficking and Violence Against Girls program will provide middle school-aged girls who have experienced sexual abuse and/or experienced or witnessed domestic violence/abuse/trauma with positive, adult female role models who demonstrate healthy relationships, college and career success, and self-confidence to break the vulnerability factors that lead a girl to being groomed by a trafficker.												
<u>Council on Aging Southern California - Ombudsman Program</u>	CDBG	431	72830	-	-	14,775	-	-	-	-	-	14,775
The Long-Term Care Ombudsman Program operated by Council on Aging Southern California (COASC) provides advocacy services to non-homeless persons who are elderly, frail or disabled adults living in licensed Long-Term Care Facilities. Pursuant to State law, COASC may make unannounced visits to these facilities in response to complaints and other concerns to ensure that residents are not subjected to abuse, neglect or fraud.												

Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
<p><u>Inspire Life Skills - Meaningful Engagements</u> The Inspire Life Skills Training's new "Meaningful Engagements Program" will provide expanded and increased levels of case management and new employment / educational assistance and outreach services for former foster youth at risk of homelessness in Corona between the ages of 18-25 who do not currently have access to safe housing or support.</p>	CDBG	431	72840	-	-	24,630	-	-	-	-	-	24,630
<p><u>Peppermint Ridge - Activity Center</u> Peppermint Ridge will use CDBG public service funding to help offset the cost of monthly lease payments for its new activity center that opened in 2019. The new Activity Center will be placed on the main campus on a vacant portion of the property at the rear of the parcel. This new indoor space is more than double the size of the current multi-purpose room on campus that serves all 96 adult residents who have a range of developmental and intellectual disabilities (e.g., Downs Syndrome, autism, mental retardation, etc.).</p>	CDBG	431	72850	-	-	21,675	-	-	-	-	-	21,675
<p><u>Community Housing Development Organization</u> Preservation of the quality of existing affordable housing stock occupied by low and moderate income households.</p>	HOME	432	72869	-	70,943	66,969	-	-	-	-	-	137,912
<p><u>Public Facilities Infrastructure</u> Improvement of public facilities and infrastructure to benefit low- and moderate-income residents or those presumed under HUD regulations to be low- and moderate-income such as the elderly and disabled adults.</p>	CDBG	431	72889	39,738	560,262	600,000	-	-	-	-	-	1,200,000
<p><u>City Hall Whole Building Energy Efficiency Project</u> Includes implementing chilled water and static pressure resets, replacing interior lights with LED lamps and replacing ballasts as needed, implementing a lighting control system, and applying a "cool roof" to City Hall.</p>	GEN FD	110	73790	-	-	215,000	-	-	-	-	-	215,000

Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Fund No.	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
<p><u>VoIP Phone Service</u> The project will involve the design, build and implementation of a new hosted Voice Over Internet Protocol phone system for the City. This will allow the City's phone system to have high availability in the case of a disaster as the new VOIP system will only require an internet connection to function and will continue to work even if our infrastructure is down. The new VOIP system also has additional functionality and security which allow for more call center and call handling options and will provide opportunities for integration with other core systems. This system is currently being piloted in multiple departments.</p>	INFO TECH	681	74040	-	400,000	-	-	-	-	-	-	400,000
<p><u>Enterprise Power Backup and Storage</u> This project will refresh the City's aging data storage systems and Uninterruptable Power Supply systems both of which are nearing end of support. These systems are elementary in keeping the network running and ensuring data is available.</p>	INFO TECH	681	74050	-	150,000	-	-	-	-	-	-	150,000
<p><u>Budget Management Software</u> The project will involve the implementation of a budgeting tool that will make the budgeting process and budget document development more efficient, reducing processing time and minimizing room for error.</p>	INFO TECH	681	74060	-	185,000	-	-	-	-	-	-	185,000
<p><u>Fire Incident Report Writing Software</u> New system will improve report writing capabilities and accessibility from mobile devices.</p>	INFO TECH	681	74070	-	98,860	-	-	-	-	-	-	98,860
<p><u>Corona Mall Business Improvement District</u> Utility and maintenance of parking lots, sidewalks and landscape improvements within the boundaries of the Corona Mall Business Improvement District.</p>	BUSIMP	218	84220	621,500	299,496	148,569	151,541	154,571	-	-	-	1,375,677

Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Police Equipment Acquisition Various police equipment related to community and/or development impacts.	POL FAC	213	86450	608,040	17,652	144,000	-	-	-	-	-	769,693
Citywide Facilities Inventory Inventory of constructed and missing Master Planned facilities as specified by the current Master Facility Plan.	LBRIF	206	86900	-	4,000	-	-	-	-	-	-	4,000
	POLFC	208	86900	-	4,000	-	-	-	-	-	-	4,000
	FIRFC	209	86900	-	4,000	-	-	-	-	-	-	4,000
	STSIG	211	86900	-	9,900	-	-	-	-	-	-	9,900
	DRAIN	212	86900	-	47,297	-	-	-	-	-	-	47,297
	POL FAC	213	86900	-	4,000	-	-	-	-	-	-	4,000
	FIRE FAC	214	86900	44	3,956	-	-	-	-	-	-	4,000
	PBMTF	215	86900	-	4,000	-	-	-	-	-	-	4,000
	AQUAC	216	86900	-	5,645	-	-	-	-	-	-	5,645
	SC LND	274	86900	-	2,370	-	-	-	-	-	-	2,370
Citywide Development Impact Fee Review Review and update of the Citywide Development Impact Fees to reflect changes in construction costs and remaining developing units.	LBRIF	206	86910	-	2,832	-	-	-	-	-	-	2,832
	POLFC	208	86910	-	2,832	-	-	-	-	-	-	2,832
	FIRFC	209	86910	-	2,832	-	-	-	-	-	-	2,832
	STSIG	211	86910	-	10,007	-	-	-	-	-	-	10,007
	DRAIN	212	86910	-	5,382	-	-	-	-	-	-	5,382
	POL FAC	213	86910	-	2,832	-	-	-	-	-	-	2,832
	FIRE FAC	214	86910	-	2,832	-	-	-	-	-	-	2,832
	PBMTF	215	86910	-	2,832	-	-	-	-	-	-	2,832
	AQUAC	216	86910	-	1,082	-	-	-	-	-	-	1,082
	SC MT	261	86910	-	3,000	-	-	-	-	-	-	3,000
Riverside County Fair Housing Promotes fair housing rights and obligations which prohibit discrimination in the sale, rental or financing of housing units.	CDBG	431	89058	-	-	24,630	-	-	-	-	-	24,630
Corona Business Assistance Program Encourage the creation and expansion of small business through the implementation of a microenterprise (five or fewer employees) technical assistance program for low- and moderate-income Corona residents seeking to form a microenterprise or seeking to expand their microenterprise.	CDBG	431	89480	-	-	20,000	-	-	-	-	-	20,000

Program Name: Facilities, Systems and Community Assets

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Community Assets and Programmatic Projects Total				\$ 22,813,801	\$ 4,644,542	\$ 4,161,202	\$ 2,220,409	\$ 1,690,669	\$ 1,084,602	\$ 1,097,295	\$ 6,609,303	\$ 44,321,823
FACILITIES, SYSTEMS & COMMUNITY ASSETS TOTAL				\$ 36,635,947	\$ 11,939,146	\$ 4,934,702	\$ 5,240,069	\$ 4,912,880	\$ 1,258,602	\$ 1,147,295	\$ 8,544,303	\$ 74,612,944

Program Name: Parks and Open Space

Project Name and Description	Fund Source	Fund No.	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Program Category: General Safety, Maintenance and Other Improvements												
Citywide ADA Improvements	GEN FD	110	68690	408,323	1,487,857	1,007,500	1,000,000	1,000,000	1,000,000	1,000,000	-	6,903,680
ADA improvements \$1M annually for 5 years. Year 1 Parks - Citrus, Mountain Gate, Promenade and Santana; Year 2 Parks - Auburndale, Contreras, Cresta Verde, Ontario, Ridgeline and Victoria; Year 3 Parks - Border, Brentwood, Fairview, Kellogg, Sheridan and Tehachaipi; Year 4 Parks - Husted, Lincoln, Mangular, Rimpau, Serfas Club, Spyglass, Stagecoach and Village; Year 5 Parks - Buena Vista, Butterfield, Chase, City, Eagle Glen, Jameson, Parkview, River Road and Rock Vista.	PKSOS	217	68690	784,830	225,000	-	-	-	-	-	-	1,009,830
Parks Hardscape	PKSOS	217	68900	334,957	1,285,189	-	-	-	-	-	-	1,620,146
Butterfield-West Parking Lot \$800k, City Park Armory Parking Lot \$200k.												
Parks Basic Amenities	PKSOS	217	68960	229,703	949,488	-	-	-	-	-	-	1,179,192
installation of drinking fountains & trash cans parkwide.												
Parks Enhanced	PKSOS	217	68980	402	598	-	-	-	-	-	-	1,000
Enhanced amenities covers items not commonly provided such as exercise circuit, special playground equipment, etc.												
Parks Lighting Improvements	PKSOS	217	68990	79,964	105,036	-	-	-	-	-	-	185,000
Lighting improvements at citywide parks, excluding Butterfield, estimated at \$2,000 per pole.												
Parks Facility Improvements	PKSOS	217	69010	1,819,635	612,723	-	-	-	-	-	-	2,432,357
Concession stands at Butterfield & Citrus, River Road restroom, storage building & switch gear at Citrus.												
Aquatic Improvements	AQUAC	216	69630	1,125	107,375	-	-	-	-	-	-	108,500
Improvements at aquatic facilities. Auto Chemical System at Auburndale, Shade Sails at Auburndale & City Park.												

Program Name: Parks and Open Space

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Landscape Retrofit/Slope Study - LMD 84-2, Zone 10 Remove 25,952 square feet of turf and replace with drought tolerant plants and drip irrigation; Replace vegetation and renovate existing irrigation system; and Perform a geotechnical study to evaluate the slope issue and provide remediation and cost estimates for future capital improvement projects necessary to maintain the integrity of the slopes.	84-2 ZN10	460	70440	413,018	970,208	-	-	-	-	-	-	1,383,226
Landscape Retrofit Project Replace turf and replace with drought tolerant plants and drip irrigation.	CFD971 CFD 2001-1 84-2 ZN2	248 249 455	70460 70460 70460	796,667 413,998 270,839	1,180,786 176,090 533,750	- - -	- - -	- - -	- - -	- - -	- - -	1,977,453 590,089 804,589
LMD 84-2 Zone 10 Slope Improvement/Stabilization Project Capital improvements to control erosion and provide for a safe and aesthetically pleasing landscape.	84-2 ZN10	460	71620	91,319	908,681	-	-	-	-	-	-	1,000,000
Trails Master Plan To prepare a master plan of trails within the City of Corona and Corona's sphere of influence.	GEN FD	110	73820	-	33,000	-	-	-	-	-	-	33,000
Parks Facilities and Amenities Inventory The project will provide funding for a comprehensive inventory of park locations, facilities, and amenities throughout the City.	PBMTF PKSOS	215 217	73840 73840	- -	30,000 30,000	- -	- -	- -	- -	- -	- -	30,000 30,000
Fresno Canyon Trailhead Improvements The project will install a Big Belly trash can, signage, and pet waste bags at the Fresno Canyon Trailhead.	PKDEV	288	73880	-	6,000	-	-	-	-	-	-	6,000
General Safety, Maintenance and Other Improvements Total				\$ 5,644,779	\$ 8,641,782	\$ 1,007,500	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ -	\$ 19,294,062

CAPITAL IMPROVEMENT PLAN - Project Cost Listing

Program Name: Parks and Open Space

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Program Category: Parks Paving, Courts, and Pathways												
Auburndale Amenities Improvement Construct new pickleball courts and basketball courts.	PKSOS	217	72600	-	630,640	-	-	-	-	-	-	630,640
South Corona Master Planned Landscape Construct missing Master Planned Landscaping in South Corona as specified by the South Corona Community Facility Plan.	SC LND	274	80080	-	767,166	29,000	-	-	-	-	-	796,166
Parks Paving, Courts, and Pathways Total				\$ -	\$ 1,397,806	\$ 29,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,426,806

Program Category: Playgrounds, Fencing, and Lighting

Griffin Park Addition of tot lot, lighting, walkway, ADA, camera, etc. to Griffin Park.	PKSOS	217	71720	3,404	296,596	-	-	-	-	-	-	300,000
Mountain Gate Park Playground Equipment Replacement ADA improvements are being done at Mountain Gate Park including installing rubberized surfacing. The existing playset is obsolete, past its useful life and requires replacement.	GEN FD	110	73800	-	-	120,000	-	-	-	-	-	120,000
	PKSOS	217	73800	-	-	80,000	-	-	-	-	-	80,000
Santana Park Accessible Playground Santana Park Accessible Playground design and installation.	GEN FD	110	73810	-	-	400,000	-	-	-	-	-	400,000
Lincoln Park Playground Equipment Replacement Playground equipment at Lincoln Park is obsolete and in need of replacement. Parts are not available for repair, causing a safety issue.	PKSOS	217	73850	-	-	200,000	-	-	-	-	-	200,000
Playgrounds, Fencing, and Lighting Total				\$ 3,404	\$ 296,596	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,100,000

PARKS AND OPEN SPACE TOTAL				\$ 5,648,184	\$ 10,336,184	\$ 1,836,500	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ -	\$ 21,820,868
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Program Name: Streets and Storm Drains

Project Name and Description	Fund Source	Fund No.	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Program Category: Bridges, Railroads and Freeways												
Magnolia Avenue Widening	STSGI	211	62410	422	506,321	750,000	-	-	1,000,000	-	-	2,256,743
Widening of Magnolia Avenue between El Camino	GASTX	222	62410	-	100,000	-	-	100,000	1,000,000	100,000	-	1,300,000
Avenue and All American Way, which includes widening of the bridge that crosses the Temescal Wash.	MEASA	227	62410	147,306	1,321,134	-	-	600,000	1,000,000	600,000	-	3,668,440
McKinley Grade Separation	GASTX	222	69370	206,735	18,265	-	-	-	-	-	-	225,000
Construction of a new bridge over the BNSF Railroad tracks at McKinley to eliminate the current at-grade crossing.	MEASA	227	69370	1,589	998,947	1,000,000	-	-	-	-	-	2,000,536
	PWGT	243	69370	3,832,281	82,617,719	-	20,000,000	-	-	-	-	106,450,000
	PWGT	243	69371	132,255	1,352,097	-	-	-	-	-	-	1,484,352
Cajalco / I-15 Interchange Improvements	GEN FD	110	69500	234,115	84,935	-	-	-	-	-	-	319,050
Widen Cajalco Road from two to six lanes from	STSIG	211	69500	8,802	232,828	-	-	-	-	-	-	241,630
Temescal Canyon Road to Bedford Canyon Road and reconstruct the existing interchange on Interstate 15 (I-15) at Cajalco Road to accommodate current and future traffic demands. The new six-lane bridge and all ramps will be widened and realigned.	GASTX	222	69500	22,093	12,191	-	-	-	-	-	-	34,284
	PWGT	243	69500	6,633,905	565,095	-	-	-	-	-	-	7,199,000
	PWGT	243	69501	45,563,239	21,429,955	-	-	-	-	-	-	66,993,194
	TMTW	479	69500	3,847,000	-	-	-	-	-	-	-	3,847,000
Auto Center Drive/Burlington Northern Santa Fe Railroad Grade Separation	GEN FD	110	71150	104,780	1,175,816	-	-	-	-	-	-	1,280,596
Construction of a grade separation (bridge) over the Burlington Northern Santa Fe Railroad tracks at Auto Center Drive to eliminate the current at-grade crossing.	MEASA	227	71150	960,301	289,449	-	-	-	-	-	-	1,249,750
	PWGT	243	71150	27,320,059	3,239,578	-	-	-	-	-	-	30,559,637
	TUMFW	479	71150	1,791,842	187,736	-	-	-	-	-	-	1,979,579
Bridge Evaluation	MEASA	227	71790	-	300,000	500,000	-	-	-	-	-	800,000
Maintenance on bridges throughout the City as recommended by the State of California Department of Transportation.												

Program Name: Streets and Storm Drains

Project Name and Description	Fund Source	Fund No.	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost		
Infrastructure for Rebuilding America (INFRA)	GASTX	222	73860	-	-	500,000	500,000	500,000	500,000	-	-	2,000,000		
- SR-91 Corridor Projects	MEASA	227	73860	-	-	500,000	500,000	500,000	500,000	-	-	2,000,000		
Support for Riverside County Transportation Commission's ("RCTC") pursuit of federal funding for the Rebuilding America ("INFRA") program for the State Route 91 Workforce to Workplace Vitality Network, consisting of the 15/91 Express Lanes Connector Project, the 71/91 Interchange Improvement Project, and the 91 Corridor Operations Project and declares the City's intent to financially partner with RCTC on these three projects pursuant to future fiscal year budget actions.														
South Corona Master Planned Streets	STSIG	211	80020	-	100,000	-	-	-	-	-	-	100,000		
Construct missing Master Planned Street Improvements in South Corona as specified by the South Corona Community Facility Plan.	SC MT	261	80020	60,565	515,802	-	-	-	-	-	-	576,367		
Sherborn Street Improvements	GEN FD	110	84480	-	438,374	-	-	-	-	-	-	438,374		
Construction of developer-paid improvements on Sherborn Street south of Magnolia Avenue, including curb, gutter and pavement sections.														
Bridges, Railroads and Freeways Total						\$ 90,867,289	\$ 115,486,241	\$ 3,250,000	\$ 21,000,000	\$ 1,700,000	\$ 4,000,000	\$ 700,000	\$ -	\$ 237,003,531

Program Category: Paving and Striping

Overlook Street Improvements	GEN FD	110	68330	-	19,184	-	-	-	-	-	-	19,184
Pavement construction and rehabilitation for various roads in the Overlook area over several years.	GASTX	222	68330	164,033	335,967	-	-	-	-	-	-	500,000
	MEASA	227	68330	11,918	338,082	-	-	-	-	-	-	350,000
	GASTX	222	69210	250,665	904,539	-	-	-	-	-	-	1,155,204
Local Street Pavement Rehabilitation Pavement rehabilitation for local streets in accordance with the current Pavement Management Study. Rehabilitation may include reconstruction paving, crack sealing, slurry, etc.	RMRA	221	69210	60,334	1,939,666	2,790,175	-	-	-	-	-	4,790,175
	MEASA	227	69210	4,111,192	1,211,956	1,000,000	1,000,000	1,000,000	1,000,000	-	-	9,323,148

Program Name: Streets and Storm Drains

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
<u>Pavement Maintenance and Resurfacing</u>	GASTX	222	69220	748,324	407	-	150,000	-	-	-	150,000	1,048,730
Resurface and repair potholes and miscellaneous pavement failures with City staff and/or contracted services.	MEASA	227	69220	1,838,507	17,230	225,000	150,000	150,000	150,000	-	150,000	2,680,737
<u>Citywide Master Plan Street Improvements</u>	STSIG	211	69510	-	1,587,748	-	-	-	-	-	-	1,587,748
Construct missing streets as specified by the Master Facility Plan and Ordinance 2552; amended by Ordinance 2630.												
<u>FY 2016-17 CDBG Sidewalk Improvements</u>	GASTX	222	69687	69,764	163,686	-	-	-	-	-	-	233,450
CDBG eligible (area benefit) infrastructure improvements to sidewalks, curbs and gutter, and accessibility facilities - ADA compliant ramps and path of travel.	CDBG	431	69687	575,926	-	-	-	-	-	-	-	575,926
<u>Ontario Avenue Street Improvements</u>	MEASA	227	69690	583,083	465,901	-	-	-	-	-	-	1,048,984
Cold in-place recycling (CIR) of existing pavement along Ontario Avenue between California Avenue and Magnolia Avenue.	PWGT	243	69690	750,507	81,740	-	-	-	-	-	-	832,247
<u>Major Streets Pavement Rehabilitation</u>	GASTX	222	70800	402,499	24,571	-	-	-	-	-	-	427,070
Pavement rehabilitation for major thoroughfares in accordance with the Pavement Management Program.	MEASA	227	70800	3,830,593	2,224	-	-	-	-	-	-	3,832,817
Rehabilitation may include reconstruction paving, crack sealing, slurry, etc.	PWGT	243	70800	-	140,830	-	-	-	-	-	-	140,830
<u>Ontario Avenue Widening</u>	STSIG	211	72100	162,375	1,090,625	-	-	-	-	-	-	1,253,000
Widening of Ontario Avenue between Compton Avenue and State Street.	MEASA	227	72100	25,591	474,409	500,000	500,000	-	-	-	-	1,500,000
	PWGT	243	72100	22,356	1,448,644	-	-	-	-	-	-	1,471,000
<u>Rubberized Asphalt Concrete (RAC) Project</u>	RMRA	221	72610	-	785,814	-	2,700,000	2,700,000	2,700,000	2,700,000	2,700,000	14,285,814
Street and pavement rehabilitation using rubberized asphalt concrete (RAC)	MEASA	227	72610	-	50,000	-	-	-	-	-	-	50,000

Program Name: Streets and Storm Drains

Project Name and Description	Fund Source	Fund No.	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Butterfield Drive Road Relocation	GASTX	222	72620	102	149,898	-	-	-	-	-	-	150,000
Relocate Butterfield Drive to provide access over proposed Army Corps of Engineers Alcoa Dike at Butterfield Park with transition to Smith Avenue on the east side of the Alcoa Dike and transition to the existing roadway alignment on the west side of the Alcoa Dike. Roadway relocation will be designed by Orange County Public Works design consultant and constructed as part of the Corps of Engineers dike construction project. The extent of pavement rehabilitation/repair will include approximately 33,500 square feet of existing pavement. The scope of work to be determined by the consulting engineering firm contracted to prepare the design.	MEASA	227	72620	-	700,000	-	1,150,000	-	-	-	-	1,850,000
Household Waste Collection Facility Street Improvements	MEASA	227	72650	-	45,500	-	-	-	-	-	-	45,500
Street Improvements to Quarry Street and Rimpau Avenue in support of the Maintenance Services Department.												
2017 Street Pavement Maintenance and Rehabilitation	MEASA	227	72890	1,282,053	1,290,807	-	-	-	-	-	-	2,572,860
The 2017 Street Pavement Maintenance and Rehabilitation Project includes rehabilitation of approximately 18 lane-miles of major streets in the following areas: Lincoln Avenue between Rincon Street and Parkridge Avenue; Main Street and Hamner Avenue between Grand Boulevard and Hidden Valley Parkway; and River Road between Corydon Street and Main Street. Completion of this project will preserve the existing pavement, extend the useful life of the asphalt, and provide a smoother travel surface for motorists and pedestrians.												
Striping Rehabilitation	GASTX	222	72920	1,329,965	242,155	50,000	150,000	150,000	150,000	-	150,000	2,222,120
Upgrade and maintenance of Citywide striping using City staff and/or contract services; and rehabilitation and maintenance of the City's traffic system and transportation infrastructure.	MEASA	227	72920	899,697	40,303	50,000	175,000	175,000	175,000	-	175,000	1,690,000

Program Name: Streets and Storm Drains

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Overlook Road Maintenance	GASTX	222	73540	540	38,417	-	-	-	-	-	-	38,957
Maintenance and grading of existing roads in the Overlook area to ensure accessibility for emergency Police and Fire vehicles.	MEASA	227	73540	-	10,000	-	-	-	-	-	-	10,000
Foothill Parkway Westerly Extension	GEN FD	110	86040	4,396,632	603,368	-	-	-	-	-	-	5,000,000
Design and construction of Foothill Parkway from Trudy Way to Paseo Grande, including full street improvements for a new four-lane roadway.	STSIG	211	86040	504,957	43	-	-	-	-	-	-	505,000
	GASTX	222	86040	1,767,598	280,402	-	-	-	-	-	-	2,048,000
	SC MT	261	86040	1,390,050	210,196	-	-	-	-	-	-	1,600,246
	SC LND	274	86040	635,265	0	-	-	-	-	-	-	635,265
	TUMFR	478	86040	6,875,323	4,375,320	-	-	-	-	-	-	11,250,644
	WTRUF	570	86040	3,399,602	40,398	-	-	-	-	-	-	3,440,000
Reimbursement Agreement Payments - Drainage	DRAIN	212	86920	270,195	205,065	10,000	10,000	10,000	10,000	10,000	30,000	555,260
Payments due to developers in compliance with existing reimbursement agreements.												
Paving and Striping Total				\$ 36,359,646	\$ 19,315,095	\$ 4,625,175	\$ 5,985,000	\$ 4,185,000	\$ 4,185,000	\$ 2,710,000	\$ 3,355,000	\$ 80,719,917

Program Category: Planning and Studies

Citywide Benchmark Update	GASTX	222	68860	-	140,000	50,000	-	-	-	-	-	190,000
Update of Citywide benchmarks and adjustments to NAD 83.	MEASA	227	68860	-	40,000	-	-	-	-	-	-	40,000
Citywide Traffic Model Update	MEASA	227	69660	-	225,000	-	-	-	-	-	-	225,000
General Plan Circulation Element update.												
Pavement Management Study	MEASA	227	70690	149,541	55,084	10,000	10,000	50,000	10,000	10,000	10,000	304,625
Ongoing field survey of local streets to be included in the Street Saver Program for the purpose of completing the City's street inventory, and maintaining current information for rehabilitation project planning. Annual Street Saver license and maintenance.												
Planning and Studies Total				\$ 149,541	\$ 460,084	\$ 60,000	\$ 10,000	\$ 50,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 759,625

Program Name: Streets and Storm Drains

Project Name and Description	Fund Source	Fund No.	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Program Category: Sidewalk, Curb and Gutters												
Sidewalk, Curb and Gutter Repair/Replacement/Maintenance Street maintenance program for as-needed repairs or replacement of curb, gutter, sidewalk, and drive approaches.	GENFD	110	70730	598,300	-	-	-	-	-	-	-	598,300
	GASTX	222	70730	1,723,302	4,507	375,000	300,000	300,000	-	-	300,000	3,002,809
	MEASA	227	70730	2,447,962	4,122	325,000	300,000	300,000	-	-	300,000	3,677,085
Sixth Street Revitalization Reconfiguration and rehabilitation of West Sixth Street from Main Street to Merrill Street for the purpose of widening and improving existing sidewalks to comply with the Americans with Disabilities Act (ADA). Project also involves the modification of curb ramps to meet ADA standards, and introduces angled parking for easier access to local business.	MEASA	227	71780	1,935	-	1,000,000	-	-	-	-	-	1,001,935
Citywide Sidewalk and ADA Improvements - Phase II Replacement of curb, gutter, sidewalk, and drive approaches; installation of missing sidewalk, curb, gutter, access ramps, bike paths, root pruning, engineering, and incidental work; and construction, replacement, or installation of ADA-compliant facilities within the public right-of-way.	GASTX	222	72210	-	500,000	-	-	-	-	-	-	500,000
	MEASA	227	72210	107,160	1,992,840	-	-	-	-	-	-	2,100,000
Second Street and Bollero Place Maintenance The Riverside County Transportation Commission (RCTC) constructed new street segments of Second Street and Bollero Place as part of the State Route 91 (SR-91) Expansion Project through the City of Corona. These new street improvements include sidewalk, curb, gutter, streetlights, signs, water valve covers located in streets, pull boxes, striping, pavement markings and asphalt concrete pavement. Certain new portions of Second Street and Bollero Place have been completed but are subject to one or more continuing eminent domain actions and therefore pending transfer of title to the City.	PWGT	243	72480	-	25,000	-	-	-	-	-	-	25,000

Program Name: Streets and Storm Drains

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Magnolia Median Rehabilitation	GASTX	222	72630	25,321	274,679	-	-	-	-	-	-	300,000
This project will provide for the redesign and rehabilitation of the existing Magnolia Avenue medians. The project consists of approximately 97,000 square feet of landscaping from Ontario to Rimpau Avenue. The medians on Magnolia Avenue have experienced die-off over the past several years as the plant material reaches the end of its life. Additionally, the irrigation is old and inefficient, causing runoff that damages the roadways. The project will provide for several design concepts that will include high efficiency irrigation, use of hardscape or DG, and low-water use plants.	MEASA	227	72630	16,881	183,119	-	-	-	-	-	-	200,000
River Road Median Landscape Improvements	MEASA	227	72680	23,050	26,950	450,000	-	-	-	-	-	500,000
Landscape and irrigation improvements on River Road Center median from Corydon to Lincoln. The project will remove approximately 80,690 sq. ft. of turf and old plant material and replacing it with a drought tolerant landscape. It will also address irrigation runoff that is damaging the road.												
West Rincon Street Improvements	GASTX	222	73870	-	-	250,000	-	750,000	-	-	-	1,000,000
Phase I: Prepare Design, Specifications and Environmental Plans to improve Rincon Street and drainage facilities between Smith Avenue and Lincoln Avenue to alleviate flooding and debris on the roadway. Phase II: Construction would proceed after completion of the Alcoa Dike on Rincon Street and Auburndale Street which is anticipated in 2022.	MEASA	227	73870	-	-	250,000	-	750,000	-	-	-	1,000,000
Citywide Sidewalk and ADA Improvements - Phase I	MEASA	227	80270	2,773,392	77,577	-	-	-	-	-	-	2,850,969
Replacement of curb, gutter, sidewalk, and drive approaches; installation of missing sidewalk, curb, gutter, access ramps, bike paths, root pruning, engineering, and incidental work; and construction, replacement, or installation of ADA-compliant facilities within the public right-of-way.												
Sidewalk, Curb and Gutters Total				\$ 7,717,304	\$ 3,088,794	\$ 2,650,000	\$ 600,000	\$ 2,100,000	\$ -	\$ -	\$ 600,000	\$ 16,756,097

Program Name: Streets and Storm Drains

Project Name and Description	Fund Source	Project Fund No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Program Category: Storm Drains, Culverts, Creeks, and Flood Control											
Corona Storm Drain Line 52	DRAIN	212	62910	98,697	14,029	-	-	-	-	-	112,726
Construction of a 72-inch storm drain line in Joy Street from the Temescal Channel to East Grand Blvd. to East Third St.	MEASA	227	62910	157,830	145,037	-	-	-	-	-	302,867
RCFCWCD Project Number 2-8-00350	PWGT	243	62910	5,390,899	1,456,516	-	-	-	-	-	6,847,415
East Grand Boulevard Storm Drain	DRAIN	212	62920	8,628	141,372	-	-	-	-	-	150,000
Construction of a 36-inch storm drain line in East Grand Boulevard from Third Street to Seventh Street.	MEASA	227	62920	-	200,000	300,000	-	-	-	-	500,000
Sixth Street and Yorba Street Waterline Replacement and Pavement Rehabilitation	MEASA	227	72700	-	500,000	-	-	-	-	-	500,000
Pavement rehabilitation following waterline construction in Yorba Street between Pleasant View Avenue and West Sixth Street. The extent of pavement rehabilitation/repair will include approximately 35,000 square feet of existing pavement. The scope of work to be determined by the consulting engineering firm contracted to prepare the design.											
Chase Drive Improvements - Phase III	DRAIN	212	86050	750	90,906	-	-	-	-	-	91,656
Installation of a storm drain swale system, and construction of sidewalk and bike path improvements on Chase Drive from Sonrisa Drive to Garretson Avenue.	MEASA	227	86050	-	400,000	-	-	-	-	-	400,000
	SCMT	261	86050	-	377,693	-	-	-	-	-	377,693
Storm Drains, Culverts, Creeks, and Flood Control Total				\$ 5,656,804	\$ 3,325,553	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 9,282,357

Program Name: Streets and Storm Drains

Project Name and Description	Fund Source	Fund No.	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Program Category: Streetlights and Poles												
LED Safety/Street Light Retrofit The City of Corona maintains over 12,000 street lights, traffic signals and safety lights. Corona has three lighting districts and one Homeowner’s Association (HOA) that fund the maintenance of these lights. The City’s street light inventory consists of mostly High-Pressure Sodium (HPS) light bulbs, some Induction lights, Light Emitting Diode (LED), and decorative lights. The City desires to ensure consistency in the type of lighting throughout its jurisdiction, make use of current utility rebate programs, and achieve cost savings through the use of energy efficient devices.	SLMD	446	72430	3,172,597	16,310	-	-	-	-	-	-	3,188,907
Streetlights and Poles Total				\$ 3,172,597	\$ 16,310	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,188,907

Program Category: Traffic Signals

Citywide Traffic Signals Construction of traffic signals listed in the Master Facility Plan as specified by Ordinance 2630.	STSIG	211	70630	97,272	2,620,664	-	-	-	-	-	-	2,717,936
Miscellaneous Repair and Replacement of Traffic Signals Unscheduled repair/replacement of traffic signals and related facilities at various locations Citywide. Includes the repair or replacement of traffic signals, safety lights, street name signs, traffic control signs, signal poles, heads, etc.; rewiring old signals and damaged loops; and maintenance of the advance traffic management system.	GASTX	222	70940	544,830	146,029	180,000	190,000	200,000	200,000	200,000	200,000	1,860,859
	MEASA	227	70940	372,770	37,230	-	-	-	-	-	-	410,000
	SLMD	446	70940	-	7,376	-	-	-	-	-	-	7,376

Program Name: Streets and Storm Drains

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Advanced Traffic Management System (ATMS) Phase III and ATMS Master Plan Update Update the ATMS Master Plan; expand and upgrade the Advanced Traffic Management System to include Sierra del Oro, East Foothill, and other in-fill locations; and install technological and capacity upgrades system-wide. ATMS Phase III will collaborate with the Citywide inter-departmental telecommunication infrastructure.	STSIG	211	71800	12,007	1,487,993	-	500,000	-	-	-	-	2,000,000
Traffic Signal Installation at Auto Center Drive / Metrolink Station Installation of a new traffic signal on Auto Center Drive at the entrance to the West Corona Metrolink Station. This project is fully funded by RCTC under the terms of a Reimbursement Agreement.	GASTX PWGT	222 243	71820 71820	- -	50,000 235,685	- -	- -	- -	- -	- -	- -	50,000 235,685
Traffic Signals Lighting Upgrade Upgrade traffic signal safety lighting and Internally Illuminated Street Name Signs (IISNS) to energy efficient, long-lasting, lighting fixtures to reduce energy usage and maintain costs. Upgrades will be phased over a 3-year period.	GASTX MEASA	222 227	71830 71830	86,914 16,933	13,086 58,067	75,000 75,000	75,000 75,000	- -	- -	- -	- -	250,000 225,000
Traffic Signal Maintenance Facility Construction of a traffic signal maintenance facility on the southwest corner of W. Grand and Bollero Road for the storage of traffic signal poles, arms, heads, cabinets, and other traffic-related parts and equipment.	STSIG MEASA	211 227	71840 71840	- -	230,000 30,000	- -	- -	- -	- -	- -	- -	230,000 30,000
Traffic Signal at Green River Road / Montana Ranch Road Installation of a new traffic signal on Green River Road at Montana Ranch Road. This project is fully funded by Developer Impact Fees.	STSIG MEASA	211 227	72110 72110	369,146 -	105,854 10,000	- -	- -	- -	- -	- -	- -	475,000 10,000
Traffic Signal Installation at Ontario Avenue / State Street Installation of a new traffic signal at Ontario Avenue and State Street. This is a Master Planned signal, and funded by Developer Impact Fees.	STSIG	211	72140	-	75,000	-	-	-	-	-	-	75,000

Program Name: Streets and Storm Drains

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Citywide Traffic Signs	GASTX	222	72160	8,095	21,905	-	15,000	15,000	15,000	15,000	15,000	105,000
Traffic signs required for public roadways citywide.	MEASA	227	72160	-	-	15,000	-	-	-	-	-	15,000
Changeable Traffic Message Sign Replacement	MEASA	227	72220	31,605	18,395	14,000	-	-	-	-	-	64,000
Replacement of four obsolete traffic message sign trailers.												
Dos Lagos Traffic Signal Improvements	CFD03-1	252	72710	150,615	264,385	-	-	-	-	-	-	415,000
The project will replace and improve the traffic signal indicators, battery backup system, video detection system, and traffic monitoring cameras.												
Traffic Signal at Bedford Canyon and Georgetown	PWGT	243	72900	7,111	473,474	-	-	-	-	-	-	480,585
As part of the development agreement with the New Home Company for the Arantine Hills Development, a new traffic signal is required to be funded entirely by the developer prior to the issuance of the first production building permit. The new traffic signal at Bedford Canyon and Georgetown will help improve traffic circulation in the area by replacing the existing all-way stop signs. This traffic signal was included as a traffic mitigation measure for the Arantine Hills Development to improve traffic flow and traffic safety to the region. The project will include the construction of a new traffic signal, improvements to Americans with Disabilities Act (ADA) facilities in the area, rehabilitation of necessary pavement and roadway striping within the project limits and connection to the City's Advanced Traffic Management System.												
Traffic Signals Total				\$ 1,697,298	\$ 5,885,143	\$ 359,000	\$ 855,000	\$ 215,000	\$ 215,000	\$ 215,000	\$ 215,000	\$ 9,656,441
STREETS AND STORM DRAINS TOTAL				\$ 145,620,479	\$ 147,577,220	\$ 11,244,175	\$ 28,450,000	\$ 8,250,000	\$ 8,410,000	\$ 3,635,000	\$ 4,180,000	\$ 357,366,874

CAPITAL IMPROVEMENT PLAN - Project Cost Listing

Program Name: Water

Project Name and Description	Fund Source	Project Fund No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost	
Program Category: Reclaimed Water - General Safety, Maintenance and Other Improvements												
<u>Adjacent Irrigation Conversion</u> This project will convert 139.9 gpm (225 AFY) of potable water demand for irrigation to reclaimed water demand by adding small irrigated areas one at a time throughout the system by adding new laterals and meters as necessary to capture irrigation demand adjacent to existing distribution pipelines Investigate the possibility of converting other CII demands (e.g. cooling water replenishment, industrial process water, industrial cleaning, dual-plumbing).	RECYC	567	73890	-	-	133,800	133,800	133,800	133,800	-	133,800	669,000
Total Reclaimed Water - General Safety, Maintenance and Other Improvements					\$ -	\$ -	\$ 133,800	\$ 133,800	\$ 133,800	\$ 133,800	\$ -	\$ 669,000

Program Category: Reclaimed Water - Pipelines Rehabilitation												
<u>Alcoa Reclaimed Water Effluent Relocation and Pipe Removal</u> Alcoa Dike Water Reclamation Non-Compensable Utilities Relocation, Protection, Removal, and Abandonment to include relocating a 24-inch ductile iron pipe in a new steel casing. The 24-inch steel WRF1 effluent pipe will be delivering reclaimed water from WRF1 to the Cota Ponds, and removing/abandoning inactive steel WRF1 effluent piping to old airport ponds. Work will be designed and constructed by Orange County Public Works with City reimbursement.	WRUF	572	72720	305	599,695	800,000	-	-	-	-	-	1,400,000
Total Reclaimed Water - Pipelines Rehabilitation					\$ 305	\$ 599,695	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 1,400,000

CAPITAL IMPROVEMENT PLAN - Project Cost Listing

Program Name: Water

Project Name and Description	Fund Source	Fund No.	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Program Category: Reclaimed Water - Pump Stations												
Border Booster Station Pump Replacement Replace a high pressure booster pump at Border Booster Station that has exceeded life span.	RECYC	567	72740	155,379	44,621	200,000	200,000	-	-	-	-	600,000
Total Reclaimed Water - Pump Stations				\$ 155,379	\$ 44,621	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 600,000

Program Category: Reclaimed Water - Transmission and Distribution Pipelines

Western Riverside County Regional Wastewater Authority (WRCRWA) Reclaimed Waterline From Plant to Bluff/River Rd. 16" across bridge.	RECYC	567	69710	101,933	196,130	-	997,860	-	-	-	-	1,295,923
	WTRUG	571	69710	35,425	73,336	2,195,983	-	-	-	-	-	2,304,744
	WTRUG	571	69711	33,597	25,648	1,397,522	-	-	-	-	-	1,456,767
Old Temescal Road Reclaimed Waterline 8" line for 4400'. Fullerton & Old Temescal easterly to Compton.	RECYC	567	70370	92,593	19,526	-	948,250	-	-	-	-	1,060,369
	WTRUG	571	70370	23,469	6,244	-	982,750	-	-	-	-	1,012,463
Lincoln Avenue Reclaimed Waterline - Railroad to SR-91 Construct 2,500 LF of 8" DIP reclaimed waterline in Lincoln Avenue from Railroad to SR-91.	RECYC	567	71500	49,868	27,248	-	-	-	-	-	-	77,116
	WTRUG	571	71500	13,604	9,083	-	-	-	-	-	-	22,688
River Road Reclaimed Waterline - Corydon to Lincoln Construct 7,800 LF of 8" DIP reclaimed waterline in River Road from Corydon to Lincoln.	WTRUG	571	71860	-	50,000	-	-	-	-	-	-	50,000
Western Riverside County Regional Waste Water Authority (WRCRWA) Flow Control Improvements This project will complete the transmission system loop between WRCRWA Plant and the WRF1 Tank. A PRV will be installed at Butterfield to reduce the pressure in the 833 Subzone and discharge supply from WRCRWA to the WRF1 Tank. A flow control station will be installed to allow WCRWA flow bypass the WRF1 BPS-Ponds directly to the WRF1 Tank.	RECYC	567	72760	-	-	-	1,050,000	-	-	-	-	1,050,000

Program Name: Water

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Reclaimed Waterline Infrastructure Replacement of reclaimed water pipelines, either scheduled replacements or due to emergency waterline breaks.	RECYC	567	73900	-	-	54,375	-	-	-	-	-	54,375
Reclaimed Water - Transmission and Distribution Pipelines Total				\$ 350,489	\$ 407,215	\$ 3,647,880	\$ 3,978,860	\$ -	\$ -	\$ -	\$ -	\$ 8,384,444

Program Category: Water - General Safety, Maintenance and Other Improvements

Emergency Generators Emergency back-up generators and permanent installation for critical DWP facilities.	WTRUF	570	65310	239,059	585,941	250,000	250,000	500,000	500,000	-	-	2,325,000
Temescal Valley Water District Service Boundary Adjustment Construct three, six-inch PRV stations and relocate approximately 20 services in order to transfer Temescal Canyon area to LLWD water service.	WTRUF	570	65630	-	-	-	-	-	1,000,000	-	-	1,000,000
Lester Inlet Valve Relocation Relocate valve onto property into an open vault with staircase powered by plant generation.	WTRUF	570	68170	9,381	-	-	-	351,619	-	-	-	361,000
Lester Post Disinfection Station Relocate post disinfection injection point onto 30" filter effluent line between filters and Contact Chlorine Basin. Install two injectors.	WTRUF	570	68180	11,771	-	280,000	-	-	-	-	-	291,771
Enterprise Asset Management (EAM) Program Asset Management program for all DWP facilities.	WTRUF	570	68660	983,366	366,634	-	-	-	-	-	-	1,350,000
	WRUF	572	68660	499,391	550,609	-	-	-	-	-	-	1,050,000
	ELECU	578	68660	183,015	166,985	-	-	-	-	-	-	350,000
SDO TP - CO2 Injection System Provides for better PH control to enhance coagulation properties of chemicals.	WTRUF	570	69750	333,730	66,270	-	-	-	-	-	-	400,000

Program Name: Water

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Residential Turf Removal Rebate Project Provide additional funding for the Turf Removal Rebate Project to incentivize residents to remove ornamental turf.	WTRUF	570	69980	920,047	959,953	-	-	-	-	-	-	1,880,000
Rincon Bridge Construction of 110' long, 20' wide Baily-style pre-fabricated bridge over the Oak Channel at Rincon Street.	WTRUF	570	70380	17,387	15,613	-	-	-	-	-	-	33,000
	WRUF	572	70380	41,528	591,472	-	-	-	-	-	-	633,000
	ELECU	578	70380	16,959	16,041	-	-	-	-	-	-	33,000
City Park Basketball and Volleyball Court Relocation Construct basketball courts, volleyball courts, lighting, and landscape in City Park to replace basketball court removed by the Ion Exchange Project.	PKSOS	217	71610	63,293	56,373	-	-	-	-	-	-	119,667
	WTRUF	570	71610	732,926	156,826	-	-	-	-	-	-	889,752
Meter Replacement Replace 10% of existing meters per year.	WTRUF	570	71870	1,982,346	30,654	700,000	900,000	900,000	-	-	2,250,000	6,763,000
Water Systems Improvement Project Replace Cutler Hammer Variable Frequency Drives (VFDs) which have exhausted their useful life. Replace with the current department standard Allen Bradley VFDs. Project will include six VFDs at the Temescal Desalter Facility and seven VFDs at various well sites throughout the system.	WTRUF	570	71890	177,470	132,530	-	-	-	-	-	-	310,000
Development Meters Water and Electric Meters to be acquired and installed for new development projects. FY 2017/18 Water meters 1,033 and 150 electric meters. FY 2018/19 water meters 1,034 and 150 electric meters.	RECYC	567	72310	-	6,000	16,000	-	-	-	-	-	22,000
	WTRUF	570	72310	286,943	208,307	511,021	-	-	-	-	-	1,006,271
	ELECU	578	72310	62,270	20,230	-	-	-	-	-	-	82,500

Program Name: Water

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
<u>R-3 Potable Tank Pavement Repair</u> Removal of failed asphalt concrete pavement, soil excavation to an estimated depth of twenty feet to the drain line, inspection of the drain line to find the damaged pipe, replacement of damaged drain pipe, removal of soil and rock debris from the drain line, placement of compacted fill to pavement base, placement of road base, and paving to finish grade, followed by grinding and overlaying with new asphalt concrete on the paved road around the entire tank to establish positive drainage away from the tank.	WTRUF	570	72470	2,949	72,051	-	-	-	-	-	-	75,000
<u>SDO Treatment Plant Landscape Repair</u> Design and install new landscaping at the Sierra Del Oro (SDO) Water Treatment Plant due to damage caused by the Canyon Fire in September 2017.	WTRUF	570	72800	36,994	33,006	-	-	-	-	-	-	70,000
<u>Generator DPF at Well 22 and Lester WTP</u> Purchase new generator for Well 22 and Lester WTP as existing generators are aging.	WTRUF	570	73910	-	-	700,000	-	-	-	-	-	700,000
<u>Desalter Chemical Feed System</u> Install a polyphosphate and Y2K chemical system. Water Master Plan Project S-4. Design and install 2,500 gallon antiscalant chemical tank in containment. Design and install 2,500 gallon polyphosphate chemical storage tank in containment. Install chemical feed system in containment.	WTRUF	570	84310	28,341	-	-	-	300,000	192,144	-	-	520,485
<u>AMI Meter Replacement Project</u> Replace 100% of citywide direct read meters with AMI meters.	WTRUF	570		-	-	-	-	9,260,000	9,260,000	-	-	18,520,000
<u>Lester Backwash Basin</u> Construct perimeter CMU wall and perimeter post and cable railing on top of perimeter CMU wall. Install light pole at south-west side of the basin. Construct backwash basin relining by applying 2 1/2" thick gunite lining to backwash basin bottom slab and sloped side walls.	WTRUF	570		-	-	-	-	-	-	-	100,000	100,000

Program Name: Water

Project Name and Description	Fund Source	Project Fund No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Water - General Safety, Maintenance and Other Improvements Total			\$ 6,629,165	\$ 4,035,497	\$ 2,457,021	\$ 1,150,000	\$ 11,311,619	\$ 10,952,144	\$ -	\$ 2,350,000	\$ 38,885,445

Program Category: Water - Pump Stations

SR-91 DWP Facility Relocations Agreement with RCTC for the relocation and replacement of certain water facilities adjacent to and crossing the 91 freeway, including the relocation of Well 24.	WTRUF	570	62840	1,221,364	300,258	-	-	-	-	-	1,521,622
Well 14A Drilling and equip Well 14A to replace Well 14 at Corona High School.	WTRUF	570	68260	36,639	-	400,000	2,471,373	-	-	-	2,908,012
Well 15 Relocation Relocate Well 15 North of SR91, West of Lincoln, due to SR91 project.	WTRUF	570	68270	11,332	777,336	2,206,705	-	-	-	-	2,995,373
Repipe Well 22 Repipe well 22 discharge piping and relocate common well valve inside the building.	WTRUF	570	68280	38,105	7,903	-	-	-	-	-	46,008
Well Rehabilitation - Well 19 Rehabilitate Well #19.	WTRUF	570	68680	415,425	283,943	450,000	450,000	450,000	450,000	-	2,499,367
Home Gardens Well 33 Drilling and equipping well 33 Groundwater Production Wells in the Home Gardens Area.	WTR CAP	507	70330	2,093,141	562,028	-	-	-	-	-	2,655,169
Home Gardens Well 32 Drilling and equipping well 32 Groundwater Production Wells in the Home Gardens Area.	WTR CAP	507	72060	1,452,322	246,074	-	-	-	-	-	1,698,395
Sierra Bella Booster Station A 1,500 gallon-per minute pumping facility that will provide an emergency supply of water to serve new development within the Sierra Bella Specific Plan.	WTR CAP	507	72400	312,936	8,663	-	-	-	-	-	321,598

CAPITAL IMPROVEMENT PLAN - Project Cost Listing

Program Name: Water

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
1220 - Zone Booster Pump Station Construct 1220-Zone Booster Pump Station in Mabey Canyon Road in the vicinity of the ADV potable water storage tank. Remove from service and abandon the existing Mabey Canyon Booster Pump Station.	WTRUF	570	72780	-	500,000	4,000,000	-	-	-	-	-	4,500,000
Lester Zone 5 Booster Improvements Lester Zone 5 booster improvements, increase capacity. Master Plan Project B-1.	WTRUF	570		-	-	-	-	-	-	-	396,500	396,500
Water - Pump Stations Total				\$ 5,581,263	\$ 2,686,204	\$ 6,656,705	\$ 850,000	\$ 2,921,373	\$ 450,000	\$ -	\$ 396,500	\$ 19,542,045

Program Category: Water - Supervisory Control and Data Acquisition (SCADA)

SCADA Panel Replacement Replace 13 existing Modicon 612 PLC's with new AB controllers and IP radios.	RECYC	567	69820	20,546	40,954	-	-	-	-	-	-	61,500
	WTRUF	570	69820	860,932	51,268	600,000	600,000	200,000	200,000	-	-	2,512,200
	WRUF	572	69820	353,666	156,334	-	-	-	-	-	-	510,000
SCADA Backbone Licensed Radio Installation Installing licensed backbone radios for SCADA network. Project includes Federal Communications Commission (FCC) coordination and configuration, microwave equipment and labor to install 11 licensed microwave links, and site specific hardware and battery system.	RECYC	567	70390	23,108	4,320	-	-	-	-	-	-	27,428
	WTRUF	570	70390	165,047	79,198	-	-	-	-	-	-	244,245
	WRUF	572	70390	164,690	79,555	-	-	-	-	-	-	244,245
Water - Supervisory Control and Data Acquisition (SCADA) Total				\$ 1,587,989	\$ 411,629	\$ 600,000	\$ 600,000	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ 3,599,618

Program Name: Water

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Cota Groundwater Injection System and Treatment Facility Development of groundwater injection infrastructure for Title 22 indirect Potable Reuse.	WTR CAP	507	60150	-	-	-	-	-	-	2,832,500	-	2,832,500
New Reservoir R-3 The design and construction of new Master Plan Reservoir R-3.	WTRUF	570	66450	2,826	47,174	-	-	-	-	-	-	50,000
Home Gardens Ion Exchange Resin Treatment Plant Project & Well Design Purchase & drill wells and Resin Treatment. Prop 50 Round 2 awarded \$1,960,100.	WTR CAP	507	68510	9,009,133	9,082	-	-	-	-	-	-	9,018,216
	WTRUF	570	68510	398,288	76,410	-	-	-	-	-	-	474,698
Keith Water Storage Tank 3.0 MG partially buried Type 1 pre-stressed concrete potable water storage tank to serve Zone-1220 ft located at the south east corner of Nelson Street and Keith Street. This project includes the construction of overflow drain pipe from the site to an existing 36-inch storm drain line in Masters Drive and a transmission main from the site to the existing Hayden Tank 16-inch transmission main in Duncan Way.	WTRUF	570	68520	753,241	7,006,759	-	-	-	-	-	-	7,760,000
1380 - Zone Water Storage Tank Construct a 2.5 MG Type 1 pre-stressed concrete potable water storage tank and booster pump station to serve Zone-1540 located in the Skyline tract development.	WTR CAP	507	69770	4,645	99,085	-	-	-	-	-	-	103,730
Sustainable Groundwater Planning Grant The Proposition 1 Sustainable Groundwater Planning Grant was awarded by the Department of Water Resources of the State of California for the development of a Groundwater Sustainability Plan for the Upper Santa Ana Valley - Temescal Groundwater Subbasin.	WTRUF	570	73930	1,846	249,792	-	-	-	-	-	-	251,638
	WTRUG	571	73930	-	732,338	-	-	-	-	-	-	732,338

CAPITAL IMPROVEMENT PLAN - Project Cost Listing

Program Name: Water

Project Name and Description	Fund Source	Project Fund No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Water - Supply and Storage Total			\$ 10,638,612	\$ 8,220,641	\$ -	\$ -	\$ -	\$ -	\$ 2,832,500	\$ -	\$ 21,691,753

Program Category: Water - Transmission and Distribution Pipelines

Mangular Blending Facility	WRRB	453	65890	1,271,017	5,622,577	-	-	-	-	-	6,893,595
Dual-Zone potable water pump station and blending facilities at the Mangular Tank.	WTRUF	570	65890	20	4,632,484	-	-	-	-	-	4,632,504
SW Quadrant Waterline Replacement - Phase I	WTRUF	570	66080	2,317,668	114,416	-	3,000,000	-	-	-	5,432,084
Construct 4,700 LF of 12-inch DIP water mains to replace existing 6" and 8" waterlines.											
SE Quadrant Waterline Replacement	WTRUF	570	66110	5,119	65,877	-	-	2,308,333	2,308,333	2,308,333	6,995,996
Construct 14,470 LF of 8-inch DIP water mains to replace existing 2", 2-1/2" and 6" waterlines in alleys.											
Corona Airport Waterline	GEN FD	110	68390	158,350	26,984	-	-	-	-	-	185,334
Construct 700 feet of 8 inch ductile iron waterline from Jenks Circle to Butterfield Drive.	WTRUF	570	68390	580,850	71,666	-	-	-	-	-	652,516
Home Gardens Water District Well Collection Project	WTR CAP	507	68420	6,056,109	1,082,846	-	-	-	-	-	7,138,955
Construct 12,000 LF of 24-inch water transmission main from Wells 32 and 33 to the Ion Exchange project and from the Ion Exchange project to the well collection system.											
Hidden Springs Road Waterline	WTRUF	570	68570	110,125	17,165	-	-	-	-	-	127,290
Design and construct 16" ductile iron potable in Hidden Springs, from Prairie Circle to Tejon Circle.											
Arcadia/Minnesota Waterline Replacement	WTRUF	570	69720	78,713	691,287	-	-	-	-	-	770,000
1,680 LF of 8" DIP installation.											
West End Wellfield Pipeline	WTRUF	570	69810	34,682	148,883	-	-	-	-	-	183,565
2,763 LF of 24" well collection transmission main and 424 LF of 12" well pipeline in Railroad Street and Garfield Street - including bore and jack under Oak Street Drain.											

Program Name: Water

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
<u>Downtown Sixth Street Waterline Replacement</u> Design and construction of approximately 4,600 LF of 8-inch ductile iron waterlines between Fifth and Seventh Streets and between Ramona Avenue and East Grand Boulevard.	WTRUF	570	71560	108,815	169,185	-	-	2,900,000	-	-	-	3,178,000
<u>Waterline Infrastructure</u> Replacement of water pipelines, either scheduled replacements or due to emergency waterline breaks.	WTRUF	570	71930	3,396,720	43,280	1,138,500	960,000	960,000	960,000	-	-	7,458,500
<u>Alcoa Dike Administration</u> The Alcoa Dike project will be designed and constructed by the Orange County Flood Control Division. The City of Corona will pay it's own share of the project.	GEN FD	110	72050	-	15,000	30,000	100,000	-	-	-	-	145,000
	MEASA	227	72050	-	15,000	-	-	-	-	-	-	15,000
	REIMB GT	480	72050	-	5,000	-	-	-	-	-	-	5,000
	WTRUF	570	72050	14,809	27,341	-	-	-	-	-	-	42,149
	WRUF	572	72050	-	15,000	-	-	-	-	-	-	15,000
	REIMB GT	480	72051	-	5,000	-	-	-	-	-	-	5,000
	WRUF	572	72051	712	349,288	-	-	-	-	-	-	350,000
	REIMB GT	480	72052	-	5,000	-	-	-	-	-	-	5,000
	REIMB GT	480	72053	-	5,000	-	-	-	-	-	-	5,000
	WTRUG	571	72054	3,125	21,875	-	-	-	-	-	-	25,000
WRUFG	573	72054	652	24,348	-	-	-	-	-	-	25,000	
<u>Sixth Street Waterline Replacement - Grand to Rimpau</u> Replace 1,890 LF of 12" water main in Sixth Street from Grand to Rimpau to support senior housing project.	WTR CAP	507	72320	222,800	227,200	-	-	-	-	-	-	450,000
	WTRUF	570	72320	492,593	457,407	-	-	-	-	-	-	950,000
<u>Bedford Canyon Road Waterline</u> The Bedford Canyon Road Waterline Project will construct approximately 3,300 feet of 12-inch ductile iron water pipeline within Bedford Canyon Road.	WTR CAP	507	72390	939,560	48,115	-	-	-	-	-	-	987,675
<u>Sixth & Yorba Street Waterline Replacement</u> The Sixth Street and Yorba Street Waterline Replacement Project will consist of abandoning and replacing the existing 2-inch steel, 4-inch asbestos cement, and 10-inch steel water distribution pipes located in Sixth Street between Smith Avenue and Yorba Street, and in portions of Yorba Street between Sixth Street and Pleasant View Avenue.	WTRUF	570	72440	72,200	1,177,800	-	-	-	-	-	-	1,250,000

Program Name: Water

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
<p>Hayden Avenue and Howe Street Waterline Construction of a new 8" DIP WL from in Hayden Avenue from Nelson Street to Howe Street and in Howe Street from Hayden Avenue to an existing zone isolation valve approximately 430 feet south of Hayden Avenue.</p>	WTRUF	570	72490	41,551	393,449	170,000	-	-	-	-	-	605,000
<p>Temescal Canyon Road Widening Project Utility Relocation The two segments to be widened are located from Dawson Canyon Road to a location 0.7 miles north of Dawson Canyon Road and from Dos Lagos Drive to Leroy Road. The proposed roadway improvements include the construction of one (1) additional lane in each direction and an 8-foot bike lane in each direction, along with a continuous center-turn pocket. Traffic signals will be modified at Dawson Canyon Road and Dos Lagos Drive. Additional improvements include construction of a retaining wall, drainage improvements, utility relocations, sidewalk, curb and gutter, Americans with Disabilities Act (ADA) compliant curb ramps, roadside signs, pavement markings, and reconstruction of driveways. The proposed storm drains to be constructed for the road widening project require the vertical relocation of the City's existing welded steel Glen Ivy waterline at two locations. The Glen Ivy waterline was constructed in the period 1977-79 within the established County right-of-way for Temescal Canyon Road. The County has vested prior property right, title, or interest to accommodate the construction of the Temescal Canyon Road Widening Project, Temescal Valley. Proposed City utilities relocation work includes construction of a new 18-inch ductile iron pipe in a lower vertical profile along the existing 18-inch steel waterline horizontal alignment, and installation of new valves, fittings and appurtenances at the locations.</p>	WTRUF	570	73290	464,422	40,648	100,000	-	-	-	-	-	605,070

CAPITAL IMPROVEMENT PLAN - Project Cost Listing

Program Name: Water

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
<u>Waterline Replacement at Sherman Avenue</u> Replace approximately 2,400 LF of 8-inch and 10-inch ACP and steel waterline in Sherman Avenue with 2,4000 LF of 12-inch DIP.	WTRUF	570	73920	-	-	250,000	-	-	-	-	-	250,000
<u>Northeast Grand Blvd. Quadrant Waterline Replacement</u> Replace existing water services and aging small diameter water lines from rear alleys to fronting streets. Water Master Plan Project P-20.	WTRUF	570		-	-	-	-	-	-	-	2,379,000	2,379,000
Water - Transmission and Distribution Pipelines Total				\$ 16,951,461	\$ 15,519,124	\$ 1,688,500	\$ 4,060,000	\$ 6,168,333	\$ 3,268,333	\$ 2,308,333	\$ 2,379,000	\$ 52,343,083
WATER TOTAL				\$ 41,894,662	\$ 31,924,626	\$ 16,183,906	\$ 10,972,660	\$ 20,735,125	\$ 15,004,277	\$ 5,140,833	\$ 5,259,300	\$ 147,115,388

Program Name: Water Reclamation

Project Name and Description	Fund Source	Project Fund No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost	
Program Category: General Safety, Maintenance and Other Improvements												
<u>Water Reclamation Facilities (WRF) Lighting Upgrades</u> Upgrade exterior lighting at Water Reclamation facilities 1 and 2 with energy efficient and cost-saving lighting. Will also include some engineering costs to ensure appropriate light installation. \$15,000 Engineering, \$30,000 WRF #2, \$55,000 WRF #1.	WRUF	572	69830	93,642	6,358	-	-	-	-	-	-	100,000
<u>WRF #1 Communications Tower</u> Upgrade exterior lighting at Water Reclamation facilities 1 and 2 with energy efficient and cost-saving lighting. Will also include some engineering costs to ensure appropriate light installation. \$15,000 Engineering, \$30,000 WRF #2, \$55,000 WRF #1.	WTRUF WRUF	570 572	72420 72420	46,343 44,240	53,657 55,760	- -	- -	- -	- -	- -	- -	100,000
<u>Automatic Transfer Switch Change Outs</u> Station will provide emergency pumping capabilities in the event of a power failure.	WRUF	572	73940	-	-	100,000	100,000	100,000	-	-	-	300,000
<u>WRF #1 Automatic Transfer Switch</u> Existing Transfer Switch equipment at WRF 1A has met its useful life and need to be replaced.	WRUF	572	73970	-	-	125,000	125,000	-	-	-	-	250,000
<u>WRF #1 Secondary Gallery</u> Replacement of valves, flow meters and actuators located in the secondary gallery at WRF 1.	WRUF	572	73980	-	-	125,000	-	-	-	-	-	125,000
<u>WRF #2 Equalization Basin Replacement</u> Existing Equalization Basin at WRF 2 has met its useful life and requires replacement.	WRUF	572	73990	-	-	5,500,000	-	-	-	-	-	5,500,000
<u>WRF #2 Roadway Lighting</u> Lighting is very poor around perimeter of the facility. Need to add lighting around exterior perimeter to enhance visibility, security and employee after hours safety.	WRUF	572	74000	-	-	40,000	-	-	-	-	-	40,000

Program Name: Water Reclamation

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Smith and Rincon Backup Diesel Pump A backup diesel generator for Smith and Rincon Lift Station will provide emergency pumping capabilities in the event of a power failure.	WRUF	572		-	-	-	150,000	-	-	-	-	150,000
General Safety, Maintenance and Other Improvements Total				\$ 184,226	\$ 115,774	\$ 5,890,000	\$ 375,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 6,565,000

Program Category: Pipelines Rehabilitation

Arantine Hills - Force Main 13,100 LF of 2, parallel 12" HDPE sewer force mains located on "A" Street within Arantine Hills Development (2,700 ft), On Bedford Canyon Road and Foothill Parkway between Georgetown Dr. and State St (7,600 ft), and on Foothill Parkway and Chase Drive between State Street and California Avenue (2,800 ft).	WRUF	572	71580	5,270,259	701,653	-	-	-	-	-	-	5,971,912
Pipelines Rehabilitation Total				\$ 5,270,259	\$ 701,653	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,971,912

Program Category: Pump Stations and Lift Stations

Sierra Del Oro Lift Station and Pipelines 1.7 MGD ADWF Wet Well/Dry Well Sewer Lift Station with 2600 LF of 12" gravity sewer, 1500 LF of 12" DIP force main.	WRUF	572	68710	19,225	260,775	-	-	500,000	5,000,000	-	-	5,780,000
Water Reclamation Facility #3 Decommissioning - Lift Station 1.2 MGD ADWF Wet Well/Dry Well Sewer Lift Station located by WRF#3 on Temescal Canyon South of Cajalco Road.	WRUF	572	69880	280,619	4,547,895	-	-	-	-	-	-	4,828,514

Program Name: Water Reclamation

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Arantine Hills Sewer Lift Station 1.7 MGD ADFW Wet Well/Dry Well Sewer Lift Station located in the southeast corner of Arantine Hills Development near I-15.	WRUF	572	71590	4,590,734	1,596,082	-	-	-	-	-	-	6,186,816
Green River Lift Station Flowmeter and Vault Flowmeter and vault changeouts at Green River Lift Station.	WRUF	572	73950	-	-	50,000	-	-	-	-	-	50,000
SDO Lift Station Sancon Coating Maintenance of the wet well at SDO Lift Station is required and consists of replacing the interior Sancon lining.	WRUF	572	73960	-	-	100,000	-	-	-	-	-	100,000
Airport Lift Station Replacement The replacement facility should be a 120 gpm duplex wet well/dry well facility, incorporating features discussed in Section 7.3 of this report. Master Plan Project LS-11.	WRUF	572		-	-	-	-	-	-	-	2,266,000	2,266,000
Stagecoach Lift Station & Force Main Replacement The replacement facility should be a 120 gpm duplex wet well/dry well lift station incorporating features discussed in Section 7.3 of this report. Master Plan Project LS-9.	WRUF	572		-	-	-	-	-	-	-	2,492,500	2,492,500
Pump Stations and Lift Stations Total				\$ 4,890,578	\$ 6,404,752	\$ 150,000	\$ -	\$ 500,000	\$ 5,000,000	\$ -	\$ 4,758,500	\$ 21,703,830

Program Category: Sewer Main Rehabilitation

Research/Railroad Waterline Replacement Replace 2,100 linear feet of deficient sewer lines.	WRUF	572	68400	11,543	50,000	-	500,000	-	-	-	-	561,543
California Avenue Sewer Improvement 8,500 LF of 15" VCP sewer and 250 LF 15" HDPE sewer on California Avenue between Chase Drive and Pico Street.	WRUF	572	69860	6,934,675	779,980	-	-	-	-	-	-	7,714,655

Program Name: Water Reclamation

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Sewer Line Infrastructure Replacement of sewer lines, either scheduled replacements or due to emergency sewer line breaks.	WRUF	572	71950	1,274,443	64,272	364,500	-	-	-	-	-	1,703,214
Wardlow Road Sewer Relocation Project Replace an existing 18-inch gravity sewer main that crosses State Route 91 approximately 2,900 feet west of the Serfas Club Drive on-and off-ramps.	WRUF	572	72020	122,002	949,835	250,000	-	-	-	-	-	1,321,836
Santa Ana River Trail Sewer Extension Relocate the existing City-owned cathodic protection equipment, and concrete encase existing waterline and sewer pipe located within the Prado Dam. Replace an existing public sewer manhole, and install a sewer stub and line extension.	RECYC	567	72460	55,642	1,358	-	-	-	-	-	-	57,000
	WRUF	572	72460	71,099	3,901	-	-	-	-	-	-	75,000
	WRUFG	573	72460	186,133	58,867	-	-	-	-	-	-	245,000
Coronita Sewer Main Upgrade sewer in Auto Center Dr. from Frontage to Research, west on Research to Project P-6. Master Plan Project P-31.	WRUF	572		-	-	-	-	-	-	-	2,447,000	2,447,000
El Cerrito Sewer Main Installation of new sewer main in the unincorporated area of El Cerrito. Master Plan Project P-30.	WRUF	572		-	-	-	-	-	-	-	5,302,000	5,302,000
Smith Sewer Main Replacement Replace approximately 5,795' of 8" and 10" pipe with 15" pipe on Smith Ave. Project P-10.	WRUF	572		-	-	-	-	-	-	-	2,266,000	2,266,000
Sewer Main Rehabilitation Total				\$ 8,655,537	\$ 1,908,212	\$ 614,500	\$ 500,000	\$ -	\$ -	\$ -	\$ 10,015,000	\$ 21,693,249

Program Category: Treatment

Water Reclamation Facility #1B Energy Efficiency	WR CAP	440	60140	16,552	-	-	-	-	-	-	-	16,552
Upgrades	WRWTRBD	454	60140	355,795	858,898	-	-	-	-	-	-	1,214,693
Primary clarifiers, aeration optimization, digesters.	WRUF	572	60140	25,272	474,728	-	-	-	-	-	-	500,000

Program Name: Water Reclamation

Project Name and Description	Fund Source	Fund	Project No.	Prior Expenses Up to 10 Yrs.	Estimated Carryover Funding	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Future Years	Total Project Cost
Water Reclamation Facility #1 Centrifuge	WR CAP	454	62610	897,733	94,392	-	-	-	-	-	-	992,125
Centrifuge facility to replace the current belt press.	WRUF	572	62610	413,773	65,352	-	-	-	-	-	-	479,125
Water Reclamation Facility #1 Biosolids Processing Upgrade	WRWTRBD	454	68310	399,082	764,075	-	-	-	-	-	-	1,163,157
Sludge tank and sludge screening project. Demolishing/removing existing sludge blender tank and modify chlorine contact tank CCT.	WRUF	572	68310	68,913	517,930	-	-	-	-	-	-	586,843
Water Reclamation Facility #1 Secondary Clarifier	WRUF	572	69840	546,476	153,524	-	-	-	-	-	-	700,000
Expand clarifier capacity to greater than 15.16 mgd.												
Water Reclamation Facility #3 Decommissioning - Force Main	WRUF	572	69870	1,475,213	2,454,787	-	-	-	-	-	-	3,930,000
4,350 LF of 2, parallel 12" HDPE sewer force main located on Temescal Canyon Road and on Cajalco Road and within an existing vacant parcel owned by RCTC, between the existing WRF#3 Facility and the proposed Arantine Hills Lift Station.												
Treatment Total				\$ 4,198,809	\$ 5,383,686	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,582,496
WATER RECLAMATION TOTAL				\$ 23,199,409	\$ 14,514,078	\$ 6,654,500	\$ 875,000	\$ 600,000	\$ 5,000,000	\$ -	\$ 14,773,500	\$ 65,516,487