

The logo features a large, stylized orange 'R' inside a rounded rectangle on the left. To its right, the word 'RioRancho' is written in a light orange, serif font with a thin orange line underlining the 'o's. Below this, the words 'City of Vision' are written in a bold, orange, sans-serif font.

# RioRancho

## City of Vision

### **FY19 Infrastructure and Capital Improvement Plan (ICIP)**



CITY OF RIO RANCHO, NM  
 INFRASTRUCTURE AND CAPITAL IMPROVEMENT PLAN (ICIP)  
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**Keith J. Riesberg**  
City Manager

August 22, 2018

The Honorable Mayor Gregory D. Hull  
City of Rio Rancho  
3200 Civic Center Circle NE  
Rio Rancho, New Mexico 87144

**RE: Final Infrastructure and Capital Improvement Plan (ICIP) for Fiscal Years 2019-2024**

Dear Mayor Hull:

Transmitted herein is a complete copy of the city's Final Infrastructure and Capital Improvement Plan (ICIP) for Fiscal Years 2019-2024 (July 1, 2018-June 30, 2024). While the ICIP does not impart legal authority for capital spending outside of fiscal year 2019, the document constitutes the primary basis upon which subsequent annual capital budgets will be formulated and presents a multi-year projection of capital needs and financing requirements.

The Recommended ICIP reflects the collective effort of several city departments and various levels of management and staff. The ICIP document is intended to be a planning document and financial management tool that projects capital needs and priorities while identifying future financing requirements over the planning period. As such, the goals of the capital program as set forth in the policy contained herein are as follows:

1. Consistently make decisions related to infrastructure and capital improvement aligned with the adopted Strategic Plan.
2. Promote financial stability and focus attention on the city's long-term financial capacity to meet capital and operational needs.
3. Effectively communicate the city's priorities and plans for undertaking capital projects to internal and external stakeholders.

The document is organized around eight specific project categories including General Government and Other Departments; Police; Fire and Rescue; Parks, Recreation, and Community Services; Drainage; Transportation; Utility-Water; and Utility-Wastewater. Each project category consists of the following components:

1. A facility introductory section containing historical and contextual information about the city's capital assets and infrastructure. Information includes asset inventories, capacity and condition of assets, repair and maintenance programs/activities, performance indicators, ICIP plan development, developer contributions, and funding sources.
2. A summary of financing sources and financing uses presented for the aggregate planning period.

3. A map of projects planned for the ensuing fiscal year.
4. A summary table containing each planned project in order of priority rank.
5. A list of 'Projects Under Consideration' for which a reasonable expectation of need has been established, but for which funding has not been determined within the ICIP time frame.
6. Recent past results and accomplishments related to completed or ongoing projects.

**PROJECT HIGHLIGHTS BY PROJECT CATEGORY: FISCAL YEARS 2019-2024**

Fire and Rescue

*Fire Apparatus*

The FY2019 ICIP includes replacement of seventeen (17) fire apparatus units, including fire trucks, ladder trucks, ambulances, and brush trucks at a total estimated cost of \$7,177,037 through FY2024. The proposed financing plan (see Exhibit 1) consists of \$950,000 in public safety impact fees and \$6,227,037 in general obligation (GO) bond proceeds in FY2019, FY2021, and FY2023 (assuming a continuation of the GO Bond cycle). The FY2019 spending plan consists of replacing a fire engine, ladder truck, fire pumper, and ambulance as well as emergency medical equipment as part of the city's first public safety GO Bond issuance approved by voters on March 6, 2018.

*Fire Equipment and Fire Station Renovations/Improvements*

General obligation bond proceeds have been programmed in the amount of \$197,046 for a cardiac monitor/defibrillator, an electric gurney, and self-contained breathing apparatus (SCBA) replacements in FY2019 and FY2021, respectively. Fire and EMS equipment such as bunker gear, electric gurneys, cardiac monitors/defibrillators, and extrication equipment are otherwise funded by cash sources from the General Fund and Fire Protection Fund. Improvements at Stations 1, 3, 4, 5, and 6 totaling \$1.7 million through FY2024 are unfunded at this time; however state capital outlay appropriations may be requested for these projects. The FY2019 spending plan for station improvements includes \$44,338 in General Fund sources and \$95,000 in state capital outlay appropriations for an airlock system at Station 3 and to replace the concrete drive pad at Station 5.

Police Department

*Police Vehicle Replacement*

The department has identified replacement of its aging law enforcement vehicle fleet as its most pressing capital need. Currently, nearly 37 percent of marked and pool police vehicles have in excess of 100,001 miles and an additional 15 percent could potentially reach that mileage within the next year.

The FY2019 ICIP includes replacement of approximately one hundred sixty (160) police vehicles through FY2024 at a total estimated cost of \$7,048,215 (includes equipping). The proposed financing plan (see Exhibit 1) consists of \$101,392 in General Fund sources, \$811,506 in automated traffic enforcement funds, \$388,000 in public safety impact fees, and \$5,747,317 in general obligation bond proceeds (assuming a continuation of the GO bond cycle in FY2021 and FY2023). The FY2019 spending plan consists of replacing approximately fifty nine (59) police vehicles as part of the city's first public safety GO bond issuance approved by voters on March 6, 2018.

## Transportation

### *Southern Boulevard Reconstruction from Golf Course Road to NM528*

The project consists of final design and reconstruction of Southern Boulevard from Golf Course Road to NM528 to include signalized intersections, street lighting, curb and gutter, sidewalks, bike lanes, new bus stops, roadway pavement replacement, turning lane reconstruction, storm drainage reconstruction, striping, and signage. The corridor study and preliminary design activities were completed in September 2015 followed by final design completed in early 2018. The city solicited bids for construction in summer 2018 and the project will commence in September 2018 to be completed in twelve months. Total project costs are estimated to be \$16.3 million with funding consisting of intergovernmental grants (\$11.4 million), 2016 general obligation bond proceeds (\$2.5 million), General Fund sources (\$1.7 million), and other local sources (\$725,757). Water main line replacement and sewer main and service line replacements will be done concurrent with the roadway project and are funded by utility net revenue in the amount of \$2,481,693.

### *General Obligation Road Bonds*

Voters approved a \$10 million road bond on March 6, 2018 to continue rehabilitation and reconstruction of the existing road network. The FY2019 ICIP includes a total of \$29.4 million through FY2024 for the purpose of designing, constructing, repairing, preserving, rehabilitating, enhancing and otherwise improving roads in the city. The FY2019 spending plan consists of the following roadway projects and estimated construction start dates:

- Montreal Loop Mill and Inlay: June 2018
- Rockaway Boulevard Reconstruction: November 2018
- Abrazo Road Reconstruction: November 2018
- Meadowlark Lane Mill and Inlay: December 2018
- Sundt Road Mill and Inlay: December 2018
- Country Club Drive Mill and Inlay: March 2019

Plans and costs for specific roadway improvements for subsequent bond cycles will be brought before the Governing Body when each bond question is presented for consideration for the 2020 and 2022 municipal elections.

## Utility-Water

### *Re-drill Well 13*

The project is necessary to replace production capacity lost from the failure of Well 13 in 2013. Well 13 is important to the citywide water distribution and supply system as it is located at a high elevation and feeds down into the system to populated areas of the city. Land adjacent to the current well site was acquired in March 2015 and planning and design for the re-drilling portion of the project was completed in April 2016. The fiscal year 2019 Budget includes additional water impact fees in the amount of \$400,000 in anticipation of construction activities to commence in July 2018. The work to be performed in this phase of the project will be completed in one hundred twenty (120) days and includes drilling, geophysical logging, discrete-interval zone sampling, reaming, well development, water quality sampling, and pumping tests for a large capacity municipal well to a depth of up to 2,500 feet.

### *Water Rights Acquisition*

The city's water rights acquisition liability is approximately 16,000 acre feet over 55 years under two Office of the State Engineer (OSE) permits authorizing diversion of up to 24,000 acre feet per year. The 2003 OSE permit requires acquisition of 728 acre feet of water rights every five-year period through

2063, beginning at a time when the city reaches 12,000 acre feet of annual consumption (reached in December 2007). The 1979 permit requirement will vary based on the modeling effect of the City's groundwater pumping of the surface flows of the Rio Grande. To date, the City has acquired or has under contract 5,958 acre feet of water rights toward its obligations under both the 1979 and 2003 permits. Accordingly, the City is current with regard to obligations under the 1979 permit and has satisfied obligations under the 2003 permit for the first five accounting periods through 2032, and has begun satisfaction of its obligations for the accounting period commencing in 2033. Acquisition of water rights has been funded through a combination of utility net operating sources, utility bond proceeds, water rights acquisition fees, and three water rights loans.

#### *Water ICIP and 2018 Rate Study*

The FY2019 Water ICIP represents a baseline spending plan for capital improvements through FY2024, and was utilized to determine revenue requirements for the water system in the 2018 Utility Rate Study. The rate study has been completed along with a cost of service analysis and was presented to a work session of the Governing Body in June 2018. The capital plan consists of eighteen (18) projects to be financed with funding derived from rates charged to utility customers in the following amounts:

- Utility Net Revenue-Cash: \$35,437,209
- Utility Net Revenue-Debt Financing: \$17,500,000
- Water Rights Acquisition Fees: \$9,490,903
- Water Impact Fees: \$5,083,368

**TOTAL: \$67,511,480**

Notable projects to be financed by rates charged to utility customers in the short to intermediate time frame include equipping of the re-drilled Well 13, a new Well 9 water storage tank, renovation of several existing water storage tanks, and water main line replacements concurrent with road construction.

#### Utility-Wastewater

##### *Wastewater Treatment Plant #1 Replacement*

The project consists of replacing WWTP#1 to include construction of a new lift station to be located at 4300 Sara Road; force main from the new lift station to WWTP#6; Lift Station 2 Replacement; WWTP#6 expansion to 1.8 million gallons per day (MGD) treatment capacity; and an 18" sanitary sewer line from the existing manhole west of the Black Arroyo channel to the street crossing of Golf Course Road and 23rd Avenue. The existing plant is an aged treatment facility constructed in the early 1970s and has exceeded its useful life. The city intends to replace its capacity to treat existing flows, accommodate increased flows in the service area, and to enhance the system's ability to meet the stringent effluent standards required for the Advanced Water Treatment Facility (AWTF). Preliminary engineering related to the plant's replacement was completed in fall 2015 and proposals for design services were accepted in early 2018. Design will be completed in fall 2018 and construction will commence thereafter. Financing for design and construction activities consists of a \$25 million limited obligation loan.

##### *Wastewater ICIP and 2018 Rate Study*

The FY2019 Wastewater ICIP represents a baseline spending plan for capital improvements through FY2024, and was utilized to determine revenue requirements for the wastewater system in the 2018 Utility Rate Study. The rate study has been completed along with a cost of service analysis and was presented to a work session of the Governing Body in June 2018. The capital plan consists of seventeen (17) projects to be financed with funding derived from rates charged to utility customers in the following

amounts:

- Utility Net Revenue-Cash: \$42,500,242
  - Wastewater Impact Fees: \$1,456,287
- TOTAL: \$43,956,529**

Notable projects to be financed by new utility rates in the short to intermediate time frame include WWTP#2 ultra violet disinfection improvements and Lift Station 14.2 odor control, several sewer main line replacements, wastewater facility security improvements, vehicle, and equipment replacements.

### Parks, Recreation, and Community Services

#### *Parks and Recreation Americans with Disabilities Act (ADA) Improvements and Playground Replacements*

The projects consist of implementation of recommendations from the 2014 ADA Compliance Transition Plan for access improvements to city parks and facilities, including playground replacements. An estimated \$688,997 in earmarked cell tower revenue is available through FY2024 for capital improvements and major repairs. The FY2019 spending plan includes \$210,000 for Vista Hills 2-5 year old and 5-12 year old playground replacements and accessible routes, and an additional amount of \$46,722 in federal grant sources have been programmed for replacement of entryways and accessible routes at Sabana Grande Recreation Center and Haynes Park, Pool, and Recreation Center.

#### *A Park Above Parking Lot*

The FY2019 Budget includes an amount of \$125,000 in General Fund sources and park impact fees for construction of an overflow parking lot for the very popular ‘A Park Above.’ The overflow parking lot will be located to the south of the park site adjacent to Wastewater Treatment Plant #6 and will be completed in early FY2019.

#### *Campus Park*

The city has entered into a contract for design of a 6.5 acre multipurpose, outdoor gathering space that will act as an activity hub in the City Center area. The design phase will also create a phased access plan for existing and future pedestrian routes, way-finding, connections and improvements that will link the park site to surrounding facilities. Campus Park will be a destination and gathering space for people taking part in city special events, small concert performances and more. On a daily basis, the park will be a destination for students, employees and residents in the area to walk, exercise, study and enjoy the outdoors. Total project cost is estimated to be \$2.4 million with funding consisting of Higher Education Gross Receipts Tax (\$2 million) and economic development project clawback payments (\$363,463).

### General and Other

#### *Fleet Vehicle and Heavy Equipment Replacement*

The Department of Public Works, Building Maintenance and Fleet Maintenance divisions annually prioritizes the need for general vehicle and heavy equipment replacements, and city facility improvements and major repairs. Vehicle and heavy equipment replacement plans consider the age, mileage, and condition of existing vehicles, as well as service demands and program priorities of the city as a whole as they relate to acquiring or renewing assets to support service provision. In a similar manner, city facilities are inspected and evaluated annually to determine priorities for improving and maintaining the building stock. The FY2019 ICIP includes nearly \$4 million in vehicle and heavy equipment acquisitions through fiscal year 2024, \$3.3 million of which is affirmatively and/or tentatively funded. The capital plan also contains nearly \$1 million in facility improvements and major

repairs, \$912,199 of which is affirmatively and/or tentatively funded.

**CAPITAL SPENDING OVERVIEW: FISCAL YEARS 2019-2024**

In the aggregate, the city’s capital program consists of 91 projects at a total estimated cost of \$304.4 million for the planning period beginning on July 1, 2018 and ending on June 30, 2024 (FY2019-FY2024). Similar to past ICIPs, the major project categories accounting for the most substantial portions of the aggregate program are Transportation and Drainage (32%) and Utilities-Water and Wastewater (48%).

A complete breakdown of planned capital spending by project category and fiscal year is presented in a summary page following this message.

The size of the capital program has decreased by \$3.2 million or 1 percent compared to last year’s plan. Major changes in the size of the capital program are detailed in Exhibit 2. The ICIP presents the city’s plan for capital spending based on a reasonable estimate of financial resources likely to be available over the planning period. The ICIP document also contains a ‘Projects Under Consideration’ list for each facility category consisting of projects for which an expectation of need has been established but for which funding is yet to be completely determined. The ‘Projects Under Consideration’ list therefore captures projects considered deferred due to lack of funding at this time.

**Table 1**

**ICIP Comparison: FY2018-2023 and FY2019-2024**

	FY 2018-2023	FY 2019-2024	\$ Change	% Change
General and Other	\$ 6,705,335	\$ 7,180,268	\$ 474,933	7%
Police	\$ 6,882,450	\$ 8,957,719	\$ 2,075,269	30%
Fire and Rescue	\$ 8,131,000	\$ 10,010,659	\$ 1,879,659	23%
Parks, Rec. and Comm. Services	\$ 27,395,566	\$ 33,560,558	\$ 6,164,992	23%
Drainage	\$ 3,691,518	\$ 8,037,330	\$ 4,345,812	118%
Transportation	\$ 97,476,840	\$ 90,667,655	\$ (6,809,185)	-7%
Utilities-Water	\$ 96,785,959	\$ 77,778,184	\$ (19,007,775)	-20%
Utilities-Wastewater	\$ 54,136,254	\$ 68,218,709	\$ 14,082,455	26%
	<b>\$ 301,204,922</b>	<b>\$ 304,411,082</b>	<b>\$ 3,206,160</b>	<b>1%</b>

**CAPITAL FINANCING OVERVIEW: FISCAL YEARS 2019-2024**

At the time of publication of the ICIP, the city has affirmatively and/or tentatively identified funding sources for 81 percent of total capital spending planned to occur through fiscal year 2024. Sources include both pay-as-you-go (use of current financial resources) and debt financing sources, while 19 percent of the total program funding is yet to be determined.

The city continuously identifies funding for high priority projects throughout the fiscal year and an effort has been made in the FY2019 ICIP to accurately represent the funding gap that exists between capital needs as identified in the plan and financial resources available for those needs.

The FY2019 ICIP includes new debt issuance in support of high priority projects as summarized in

bullet points below. *Note: amounts do not include cost of issuance expenses. Amounts reflected below are the anticipated amounts that will be available for capital projects and 1% for Arts in Public Places as required by Section 36.105 of the Municipal Code. Amounts are subject to change based on loan and bond closing documentation and/or revised estimates.*

FY2019

- \$568,614 Limited Obligation Municipal Gas Tax loan for Streets and Right of Way vehicles and equipment
- \$13.8 million General Obligation Bonds for Road and Public Safety capital

FY2020

- \$3 million Joint Utility Bonds for Well 13 Equipping

FY2021

- \$13.9 million General Obligation Bonds for Road and Public Safety capital

FY2022

- \$14.5 million Joint Utility Bonds for Re-drill Well 9, Booster Station and Transmission Line for Well 17, and New Water Storage Tank at Well 6

FY2023

- \$13.8 million General Obligation Bonds for Road and Public Safety capital

FY2024

- \$608,000 Limited Obligation Municipal Gas Tax loan for Streets and Right of Way vehicles and equipment

Staff continues to analyze the city's debt capacity and benchmark its debt program against other similar-sized jurisdictions on a regular basis. An updated analysis will be conducted for the fiscal year ending June 30, 2018 (FY2018) in fall 2018. The following is an excerpt from the most recent analysis based on FY2016 financial results.

*“A general, overarching finding emerged from the comparative analysis: the City of Rio Rancho’s debt burden is significantly lower [more than twenty percent (20%)] for direct debt supported by general revenues and taxes when compared to the peer group average. However, the City’s total bonded debt burden is moderately higher when compared to the peer group average due to significant Joint Utility related debt which comprises more than sixty percent (60%) of total bonded debt outstanding. The City of Rio Rancho maintains a conservative debt strategy and retains adequate debt capacity to execute that strategy.”*

The table below presents a broad look at the capital financing of the FY2019-FY2024 ICIP. A more detailed break out of funding by source and fiscal year is presented in a summary page following this message.

**Table 2**

<i>Type of Financing</i>	FY 2019	% of Total	FY 2020-2024	% of Total
Pay as You Go	\$ 47,434,848	54%	\$ 113,515,019	52%
Debt Financing	\$ 40,555,403	46%	\$ 45,861,400	21%
To Be Determined*	\$ 160,152	0%	\$ 56,884,260	26%
<b>TOTAL</b>	<b>\$ 88,150,403</b>	<b>100%</b>	<b>\$ 216,260,679</b>	<b>100%</b>

\*Amounts "To Be Determined" are considered deferred capital needs until funding is identified.

**Fiscal Year 2019 Capital Budget**

**Table 3**

<i>Fund</i>	<i>\$ Amount</i>
General Fund	\$ 197,322
Special Funds	\$ 12,764,099
Utility Funds	\$ 12,466,018
<b>TOTAL</b>	<b>\$ 25,427,439</b>

General Fund: \$197,322

Capital outlay in the General Fund typically consists of items such as equipment and software. Larger capital items and improvements such as vehicles and building and facility improvements are funded through transfers to capital funds, such as the Equipment Replacement Fund and City Facility Improvement Fund. General Fund capital outlay for Fiscal Year 2019 consists of:

- Park Maintenance Equipment Replacement: \$165,210
- Self-Contained Breathing Apparatus for Fire and Rescue: \$32,112

Special Funds: \$12,764,099

Special funds are established to account for revenue sources related to specific activities and objectives that require segregated accounting for restricted or committed purposes. Major capital projects funded in the fiscal year 2019 Budget include:

- City Center Campus Park: \$363,464 (Hewlett Packard clawback funds)
- Police Department Major Equipment: \$49,700 (Law Enforcement Protection Fund)
- Police Motorcycle Replacement: \$73,220 (Traffic Safety and Education Fund)
- Police Vehicle Replacements: \$414,178 (Automated Traffic Enforcement Fund and Equipment Replacement Fund-General Fund transfer)
- Fire and Rescue Equipment: \$127,815 (State Fire Protection Fund)
- Station 1 Battalion Chiefs' Bathroom Remodel: \$7,000 (State Fire Protection Fund)
- Fire Command Vehicle Replacement: \$74,000 (State Fire Protection Fund)
- Emergency Medical Equipment: \$10,216 (Emergency Medical Services Fund)
- Southern Boulevard Reconstruction: \$9,894,337 (Municipal Gas Tax Fund, Federal and State grant funds, and General Obligation bond interest earnings)
- Streets and Right-of-Way Heavy Equipment: 101,874 (Municipal Gas Tax Fund)
- ADA Improvements, Pedestrian Safety and Crosswalks, and Street Lights: \$69,500 (Municipal Gas Tax Fund)
- Sandoval County Regional Emergency Communications Center Software: \$85,705 (JPA and

General Fund sources)

- Streets and Right-of-Way Shed (MS4 Good housekeeping): 130,000 (Infrastructure Fund-General Fund transfer)
- A Park Above Parking Lot: \$125,000 (Recreation Development Fund-General Fund transfer and Park Impact Fee Fund)
- Vehicles and Heavy Equipment: \$110,008 (Equipment Replacement Fund-General Fund transfer)
- Building and Facility Improvements: \$249,250 (City Facility Improvement Fund, including General Fund transfer of \$129,065)
- Park ADA Improvements: \$210,000 (Building and Facility Improvement Fund)
- Unser Boulevard Phase IIB Right of Way Acquisition: \$101,124 (Road Impact Fee Fund)
- Sports Complex North: \$99,996 (Park Impact Fee Fund)
- Ambulance Replacement: \$150,000 (Public Safety Impact Fee Fund)
- Community Development Block Grant (CDBG): \$317,709

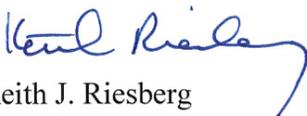
Utility Funds: \$12,466,018

Capital outlay in the Utility Funds range from equipment items and vehicles to major infrastructure projects. Funding for capital projects is made available through a combination of direct spending from the Utility Operating Fund (Fund 501), transfers from the Utility Operating Fund, water and wastewater impact fees, and water rights acquisition fees. Major capital projects funded in the fiscal year 2019 Budget include:

- Utility Services and Wastewater Operations Equipment: \$257,357 (Utility Operating Fund)
- Vehicles and Heavy Equipment: \$663,569 (Equipment Replacement Fund)
- Water Capital Improvements, including Well 10 Surge Tank, Design for New Well 9 Water Storage Tank, Pressure Reducing Valves, Well Site Security, Monitoring Wells, and Water Line Replacements: \$7,221,557 (Water Capital Fund)
- Re-drill Well 13 Construction: \$400,000 (Water Impact Fee Fund). Project-to-date budget includes an additional \$3.5 million in sources for the project.
- Wastewater Capital Improvements, including WWTP 1 Replacement, WWTP 2 Ultra Violet Disinfection Improvements, Lift Station 14.2 Odor Control, WWTP 6 Membrane Replacement, Design of a Solids Waste Handling facility, Wastewater Security Improvements, SCADA Improvements, and Sewer Line Replacements: \$2,393,616 (Wastewater Capital Fund)
- Water Rights Acquisition: \$1,529,919 (Water Rights Acquisition Fund)

In closing, I believe this capital program accurately represents the capital priorities of the city as identified through department-level capital needs assessments, asset management, and ongoing infrastructure planning. Project financing has been identified to the extent practicable given the uncertainty of funding and dedicated revenue sources associated with capital projects. Additional work will be undertaken by staff throughout the fiscal year to identify additional resources for future capital projects.

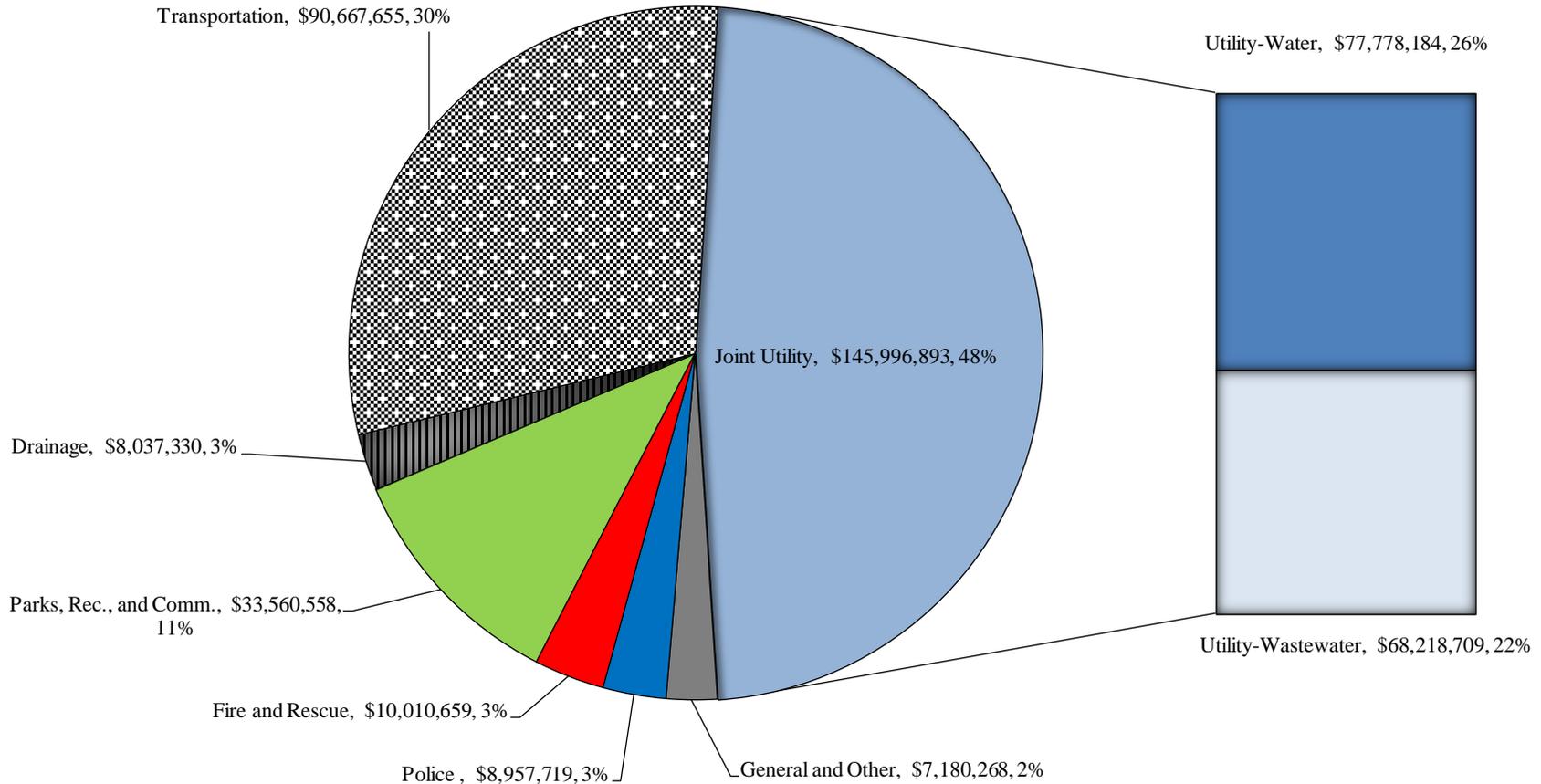
Respectfully,



Keith J. Riesberg  
City Manager

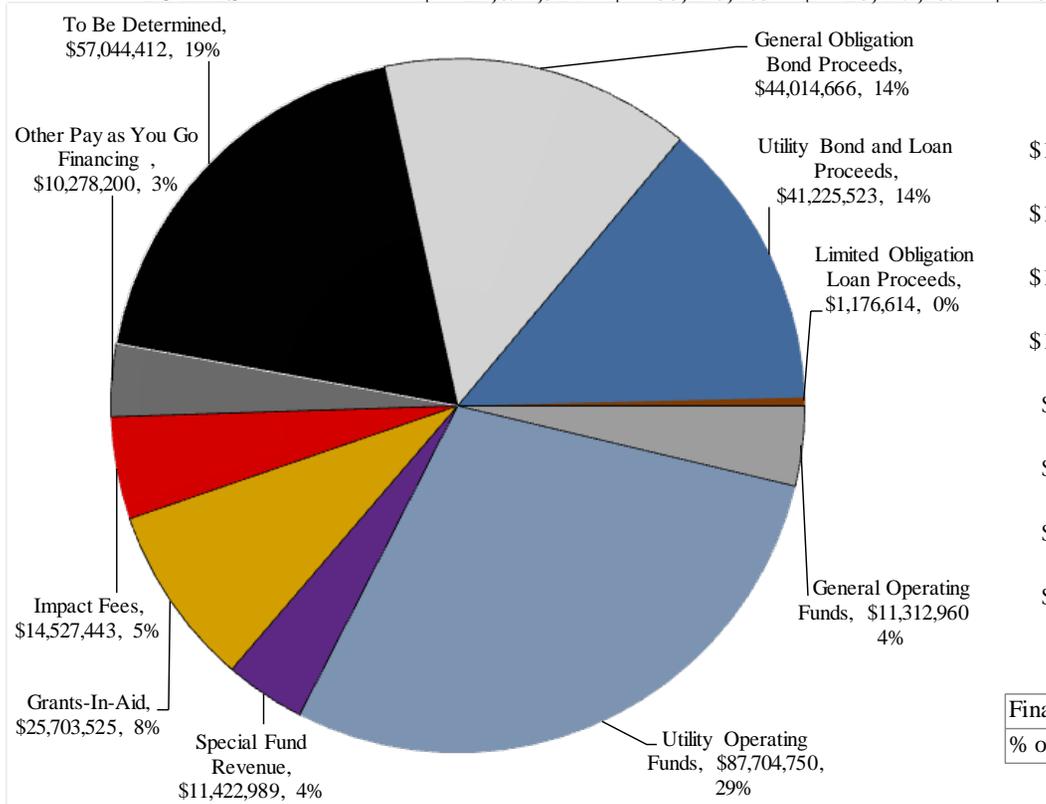
## Final Infrastructure and Capital Improvement Plan (ICIP) Allocations by Project Category: FY19-FY24

Project Category	Total No. of Projects	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	TOTALS
General and Other	4	\$ 605,803	\$ 1,312,934	\$ 1,970,589	\$ 809,500	\$ 825,000	\$ 655,000	\$ 1,607,244	\$ 7,180,268
Police	7	\$ 634,363	\$ 2,863,432	\$ 35,000	\$ 2,765,107	\$ 70,000	\$ 3,039,180	\$ 185,000	\$ 8,957,719
Fire and Rescue	5	\$ 445,481	\$ 2,494,488	\$ 1,362,600	\$ 2,523,653	\$ 557,500	\$ 2,778,680	\$ 293,738	\$ 10,010,659
Parks, Rec., and Comm.	17	\$ 1,024,711	\$ 4,488,756	\$ 2,679,588	\$ 5,843,751	\$ 15,263,136	\$ 1,553,765	\$ 3,731,562	\$ 33,560,558
Drainage	6	\$ 287,171	\$ 1,352,188	\$ 800,348	\$ 1,000,000	\$ 1,000,000	\$ 2,884,794	\$ 1,000,000	\$ 8,037,330
Transportation	17	\$ 10,233,777	\$ 28,881,652	\$ 6,736,455	\$ 31,995,253	\$ 3,615,489	\$ 10,847,180	\$ 8,591,626	\$ 90,667,655
Utility-Water	18	\$ 9,837,435	\$ 20,097,305	\$ 8,940,234	\$ 13,324,691	\$ 10,138,525	\$ 14,011,739	\$ 11,265,690	\$ 77,778,184
Utility-Wastewater	17	\$ 2,628,583	\$ 26,659,648	\$ 5,954,925	\$ 9,870,951	\$ 10,673,351	\$ 5,253,288	\$ 9,806,546	\$ 68,218,709
<b>TOTALS</b>	<b>91</b>	<b>\$ 25,697,324</b>	<b>\$ 88,150,403</b>	<b>\$ 28,479,739</b>	<b>\$ 68,132,906</b>	<b>\$ 42,143,001</b>	<b>\$ 41,023,626</b>	<b>\$ 36,481,406</b>	<b>\$ 304,411,082</b>

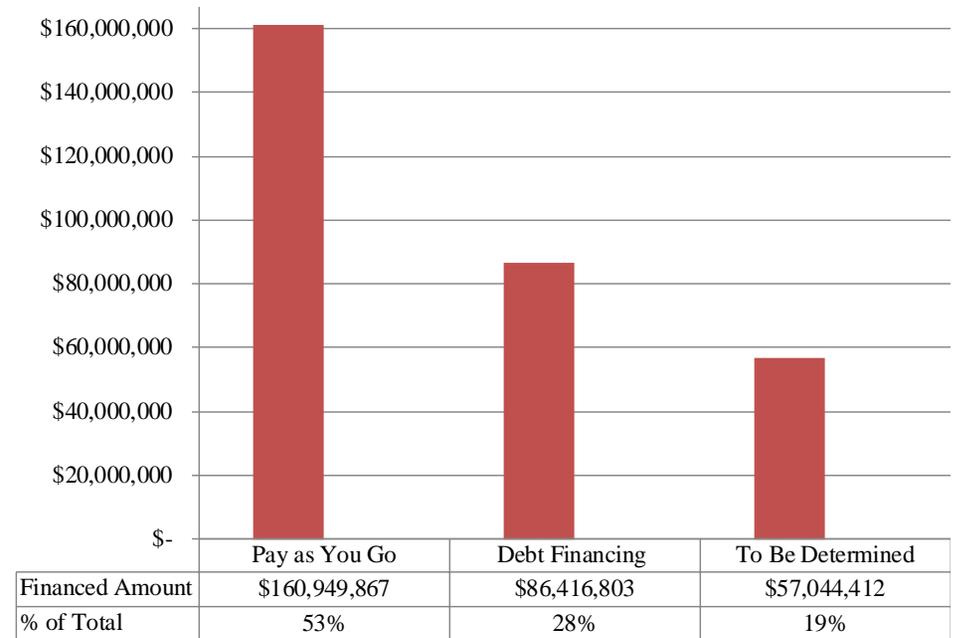


## Final Infrastructure and Capital Improvement Plan (ICIP) Financing by Source: FY19-FY24

Funding Source Category	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	TOTALS
General Operating Funds	\$ 951,560	\$ 1,939,750	\$ 2,489,089	\$ 1,751,512	\$ 2,179,600	\$ 2,907,509	\$ 45,500	\$ 11,312,960
Utility Operating Funds	\$ 10,304,992	\$ 19,540,520	\$ 10,291,382	\$ 18,390,062	\$ 13,270,203	\$ 9,853,381	\$ 16,359,202	\$ 87,704,750
Special Fund Revenue	\$ 1,354,104	\$ 6,090,175	\$ 3,451,500	\$ 474,860	\$ 415,400	\$ 518,360	\$ 472,694	\$ 11,422,989
Grants-In-Aid	\$ 10,409,146	\$ 14,774,624	\$ 339,275	\$ 7,711,061	\$ 2,493,327	\$ 187,000	\$ 198,238	\$ 25,703,525
Impact Fees	\$ 851,323	\$ 2,747,634	\$ 3,537,049	\$ 2,735,115	\$ 1,466,320	\$ 2,335,047	\$ 1,706,278	\$ 14,527,443
Other Pay as You Go Financing	\$ 1,529,919	\$ 2,342,145	\$ 1,567,462	\$ 1,576,368	\$ 1,586,478	\$ 1,598,718	\$ 1,607,029	\$ 10,278,200
To Be Determined		\$ 160,152	\$ 5,503,982	\$ 19,858,528	\$ 15,431,673	\$ 2,905,611	\$ 13,184,465	\$ 57,044,412
General Obligation Bond Proceeds	\$ 65,173	\$ 16,261,266		\$ 13,935,400		\$ 13,818,000		\$ 44,014,666
Utility Bond and Loan Proceeds	\$ 231,107	\$ 23,725,523	\$ 1,300,000	\$ 1,700,000	\$ 5,300,000	\$ 6,900,000	\$ 2,300,000	\$ 41,225,523
Limited Obligation Loan Proceeds		\$ 568,614					\$ 608,000	\$ 1,176,614
<b>TOTALS</b>	<b>\$ 25,697,324</b>	<b>\$ 88,150,403</b>	<b>\$ 28,479,739</b>	<b>\$ 68,132,906</b>	<b>\$ 42,143,001</b>	<b>\$ 41,023,626</b>	<b>\$ 36,481,406</b>	<b>\$ 304,411,082</b>



### Capital Financing by Type: FY19-FY24



**EXHIBIT 1**

**Public Safety Vehicle Financing Plan: FY2019-2024**

<u>Sources</u>	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	<b>Total</b>
# of Police Vehicles <sup>1</sup>	59		50		51		<b>160</b>
# of Fire Apparatus <sup>2</sup>	4	1	5	1	5	1	<b>17</b>
Automated Traffic Enforcement Revenue <sup>3</sup>	\$ 312,786		\$ 249,360		\$ 249,360		<b>\$ 811,506</b>
Public Safety Impact Fees Police <sup>4</sup>			\$ 244,000		\$ 144,000		<b>\$ 388,000</b>
Public Safety Impact Fees Fire <sup>4</sup>	\$ 150,000	\$ 200,000		\$ 200,000	\$ 200,000	\$ 200,000	<b>\$ 950,000</b>
General Obligation Bonds Police <sup>5</sup>	\$ 2,166,750		\$ 1,708,747		\$ 1,871,820		<b>\$ 5,747,317</b>
General Obligation Bonds Fire <sup>5</sup>	\$ 1,851,250		\$ 2,426,653		\$ 2,146,180		<b>\$ 6,424,083</b>
General Fund Police	\$ 101,392						<b>\$ 101,392</b>
General Fund Fire		\$ 45,500		\$ 45,500	\$ 45,500	\$ 45,500	<b>\$ 182,000</b>
<b>Total</b>	<b>\$ 4,582,178</b>	<b>\$ 245,500</b>	<b>\$ 4,628,760</b>	<b>\$ 245,500</b>	<b>\$ 4,656,860</b>	<b>\$ 245,500</b>	<b>\$14,604,298</b>
<u>Uses</u>							
Police Vehicle Replacement	\$ 1,548,557		\$ 1,321,264		\$ 1,359,108		<b>\$ 4,228,929</b>
Equipping	\$ 1,032,371		\$ 880,843		\$ 906,072		<b>\$ 2,819,286</b>
Fire Apparatus	\$ 1,955,750	\$ 200,000	\$ 2,275,107	\$ 200,000	\$ 2,346,180	\$ 200,000	<b>\$ 7,177,037</b>
Fire and Rescue Equipment	\$ 45,500	\$ 45,500	\$ 151,546	\$ 45,500	\$ 45,500	\$ 45,500	<b>\$ 379,046</b>
<b>Total</b>	<b>\$ 4,582,178</b>	<b>\$ 245,500</b>	<b>\$ 4,628,760</b>	<b>\$ 245,500</b>	<b>\$ 4,656,860</b>	<b>\$ 245,500</b>	<b>\$14,604,298</b>

1. The annual number of replacement Police Vehicles has been smoothed out over the planning period. The 100,000 mile replacement benchmark is used and fit within a reasonable estimate of annual financing availability.

2. Fire Apparatus Schedule reflects the Fire Department's 2030 plan and is fit within a reasonable estimate of annual financing availability.

3. Automated Traffic Enforcement revenue generated in a given year will be allocated for Police Vehicle acquisition in the subsequent year such that only cash on hand is utilized to purchase police vehicles.

4. The amount of Public Safety Impact Fee cash financing available is based on the November 2017 estimate.

5. Police Vehicle and Fire Apparatus Schedules reflect plans for recurring General Obligation Bond sources.

## EXHIBIT 2

**Table 1**

### ICIP Comparison: FY2018-2023 and FY2019-2024

Facility Category	FY 2018-2023	Changes to Projects	Removal of Projects	Addition of Projects	FY 2019-2024
General and Other	\$ 6,705,335	\$ 476,378	\$ (1,445)	\$ -	\$ 7,180,268
Police	\$ 6,882,450	\$ 2,025,569	\$ -	\$ 49,700	\$ 8,957,719
Fire and Rescue	\$ 8,131,000	\$ 1,879,659	\$ -	\$ -	\$ 10,010,659
Parks, Recreation, and Community Services	\$ 27,395,566	\$ 3,616,491	\$ (125,000)	\$ 2,673,501	\$ 33,560,558
Drainage	\$ 3,691,518	\$ 667,420	\$ (1,881,530)	\$ 5,559,923	\$ 8,037,330
Transportation	\$ 97,476,840	\$ (27,043,328)	\$ (14,865,857)	\$ 35,100,000	\$ 90,667,655
Utility-Water	\$ 96,785,959	\$ 1,408,660	\$ (31,500,000)	\$ 11,083,565	\$ 77,778,184
Utility-Wastewater	\$ 54,136,254	\$ 414,723	\$ (9,878,025)	\$ 23,545,757	\$ 68,218,709
<b>TOTAL</b>	<b>\$ 301,204,922</b>	<b>\$ (16,554,428)</b>	<b>\$ (58,251,857)</b>	<b>\$ 78,012,445</b>	<b>\$ 304,411,082</b>

Major changes in the size of the capital program include:

#### Project Category

- *General and Other*: The net \$475,000 increase to the General and Other capital plan is attributable to revisions to cost estimates and revised needs assessments for fleet vehicles, city facility improvements and major repairs, major equipment acquisition, and Multi-purpose Event Center improvements and major repairs.

- *Police*: The \$2 million increase to the Police capital plan is the net effect of revisions to cost estimates and revised need assessments for various projects. Major items of revision include:

- Increase of \$3 million to police vehicle replacements due to inclusion of equipping costs not previously included in the ICIP document.
- Increase of \$158,000 to police motorcycle replacements due to inclusion of equipping costs not previously included in the ICIP document.
- Decrease of \$285,000 to Quantum improvements due to a revised needs assessments by the Building Maintenance Division.
- Decrease of \$911,000 to Sandoval County Regional Emergency Communications Center due to anticipated completion of the Computer Aided Dispatch software upgrade in FY2018.

- *Fire and Rescue*: The \$1.9 million increase to the Fire and Rescue capital plan is the net effect of revisions to cost estimates and revised need assessments for various projects. Major items of revision include:

- Increase of \$1.26 million to fire apparatus and equipment acquisition plans because of a revised needs assessment. General obligation bond sources have been included.
- Increase of \$157,000 to cash roll forward from fiscal year 2018 to Fire and Rescue major equipment.
- Increase of \$342,000 for Station 1 remodel and fire station renovations and major repairs due to a revised needs assessment by the Building Maintenance Division.

- Increase of \$123,000 to fire Command vehicle replacements due to inclusion of equipping costs not previously included in the ICIP document.

*-Parks, Recreation, and Community Services:* The \$6.1 million increase to the Parks and Recreation capital plan is the net effect of revisions to cost estimates, revised needs assessments, decreases for prior year actual expenditures, and addition and removal of projects from the FY2019 ICIP. Major items of revision include:

- Decrease of \$2.1 million due to revised needs assessments to match financing availability, mostly notably for Parks ADA Improvements.
- Increase of \$1.2 million for senior services projects based on revised plans and cost estimates.
- Increase of \$4.4 million for Sports Complex North based on recent design updates and cost estimates.
- Decrease of \$125,000 for Leon Grande Playground. The project was moved to the ‘Projects Under Consideration’ list to reflect the deferred and unfunded status of the project.
- Increase of \$2.7 million for projects added to the capital plan, most notably Campus Park.

*-Drainage:* The \$4.3 million increase to the Drainage capital plan is the net effect of addition and removal of projects from the FY2019 ICIP, and revisions to cost estimates. Major items of revision include:

- Increase of \$667,000 due to revised cost estimates.
- Decrease of \$136,000 due to completion of Northern Boulevard drainage improvements in FY018.
- Decrease of \$1.7 million for projects that are not eligible for impact fee funding. The projects have been moved to the ‘Projects Under Consideration’ list to reflect the deferred and unfunded status of these projects.
- Increase of \$5.5 million for projects added to the capital plan, most notably City Center drainage improvements.

*-Transportation:* The \$6.8 million decrease to the Transportation capital plan is the net effect of revisions to cost estimates, decreases for prior year actual expenditures, and addition and removal of projects from the FY2019 ICIP. Major items of revision include:

- Decrease of \$1.8 million for prior year actual expenditures for Unser Boulevard Phase IIB right of way acquisition, High Resort Boulevard reconstruction, Unser and Cherry Road ADA ramp improvements, and Lincoln Avenue right of way acquisition. With the exception of Unser Boulevard Phase IIB right of way acquisition, the projects have been removed from the capital plan because they were completed in FY2018.
- Net increase of \$3.5 million to various projects due to revised cost estimates and estimates of financing availability, most notably General Fund sources for pavement preservation, rehabilitation, and reconstruction in non-General obligation bond years.
- Decrease of \$14.2 million for Northern Boulevard Phase II construction. The project was moved to the ‘Projects Under Consideration’ list to reflect the deferred and unfunded status of the project.
- Increase of \$5.7 million due to the addition of Broadmoor Boulevard extension north of Paseo del Volcan in the City Center area.

*-Utilities-Water and Wastewater:* The net \$4.9 million decrease in the Utilities capital plan is the result of revisions to cost estimates, revised need assessments for various projects, decreases for prior year actual expenditures, and addition and removal of projects from the FY2019 ICIP. The Water and Wastewater facility categories include capital projects necessary to meet system maintenance and improvement requirements for existing development and new infrastructure needs based on projected growth included in the 2018 Utility Rate Study.

The Water facility category decreased by a net amount of \$19 million. Major items of revision include:

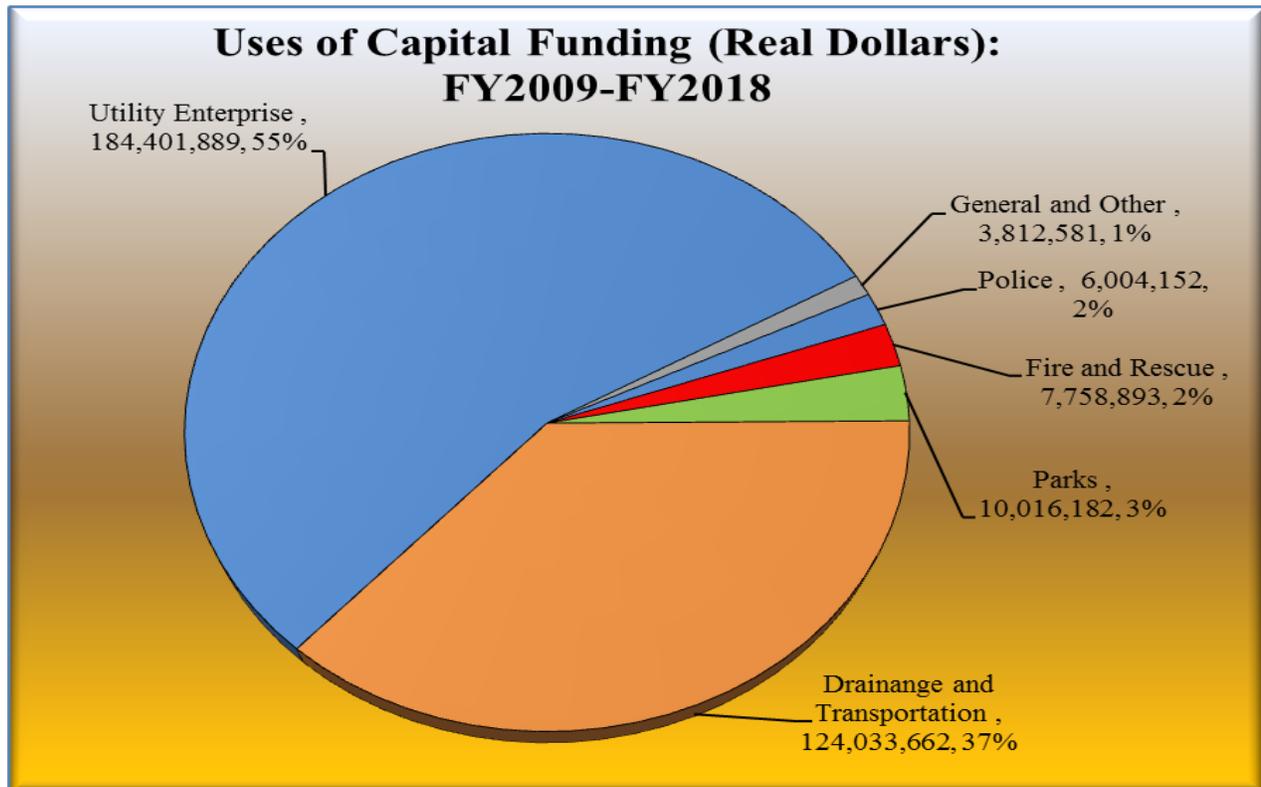
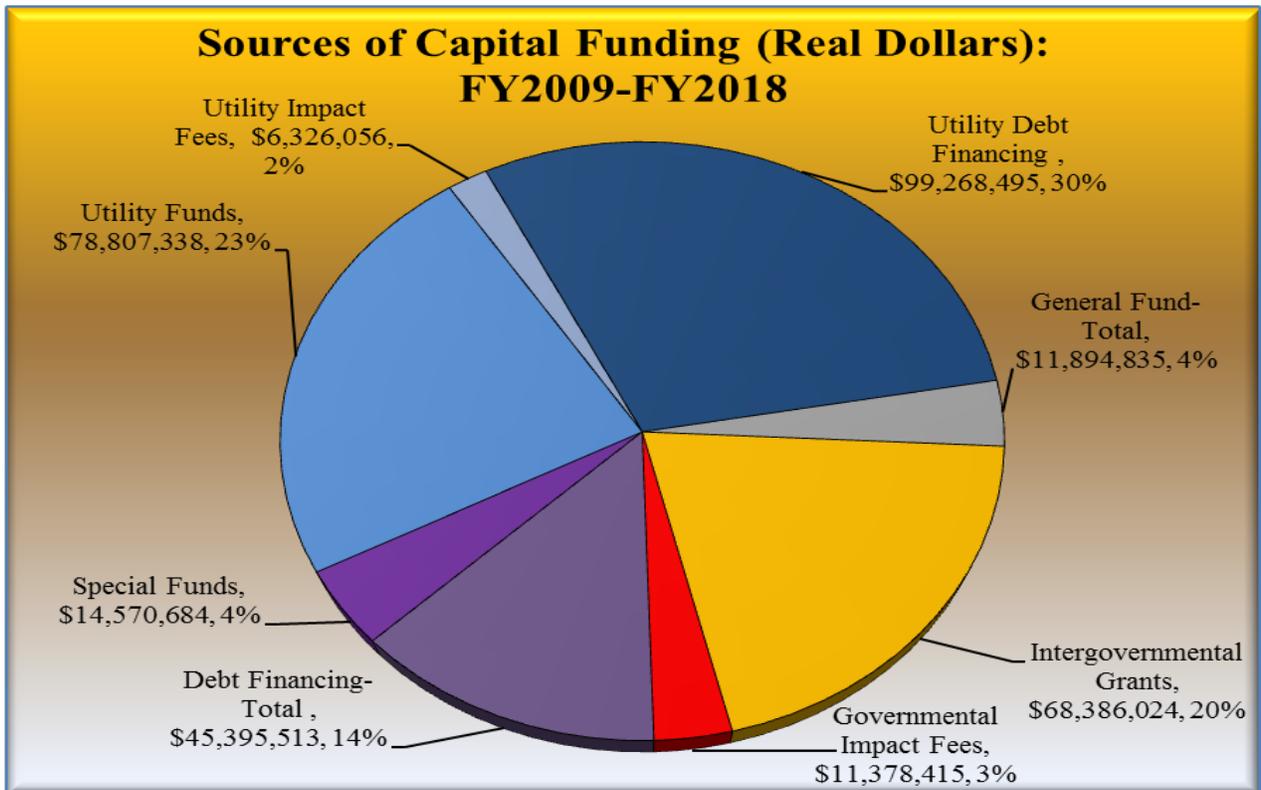
- Net increase of \$608,000 million because of revision to cost estimates and needs assessments for various projects, including water line replacements, re-drill of Well 13 equipping, and water storage tanks per the 2018 Utility Rate Study baseline ICIP.
- Decrease of \$34.7 million for projects removed from the capital plan per the 2018 Utility Rate Study baseline ICIP, most notably a new well, and re-drill of Well 4 or 5.
- Increase of \$15 million for projects added to the capital plan per the 2018 Utility Rate Study baseline ICIP, most notably re-drill of Well 9.

The Wastewater facility category increased by a net amount of \$14.1 million. Major items of revision include:

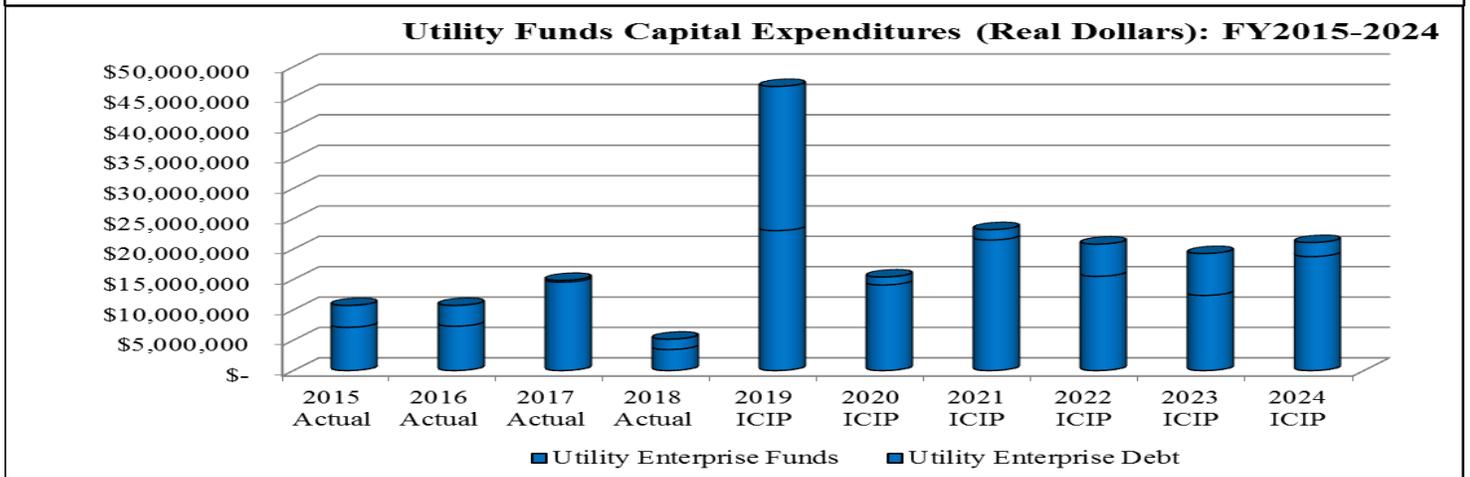
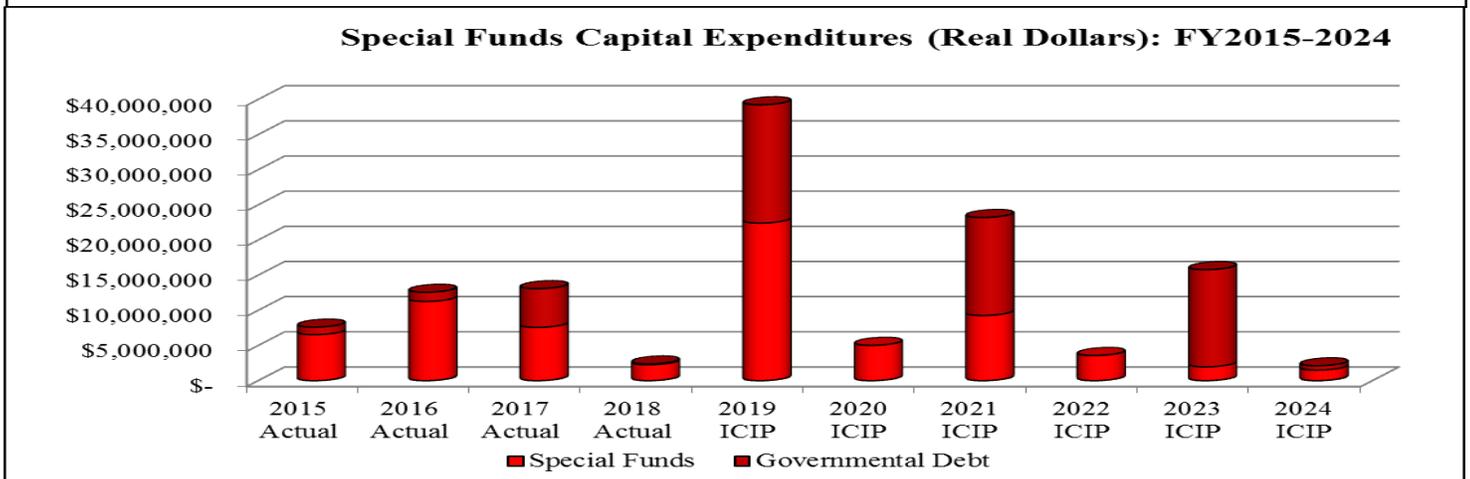
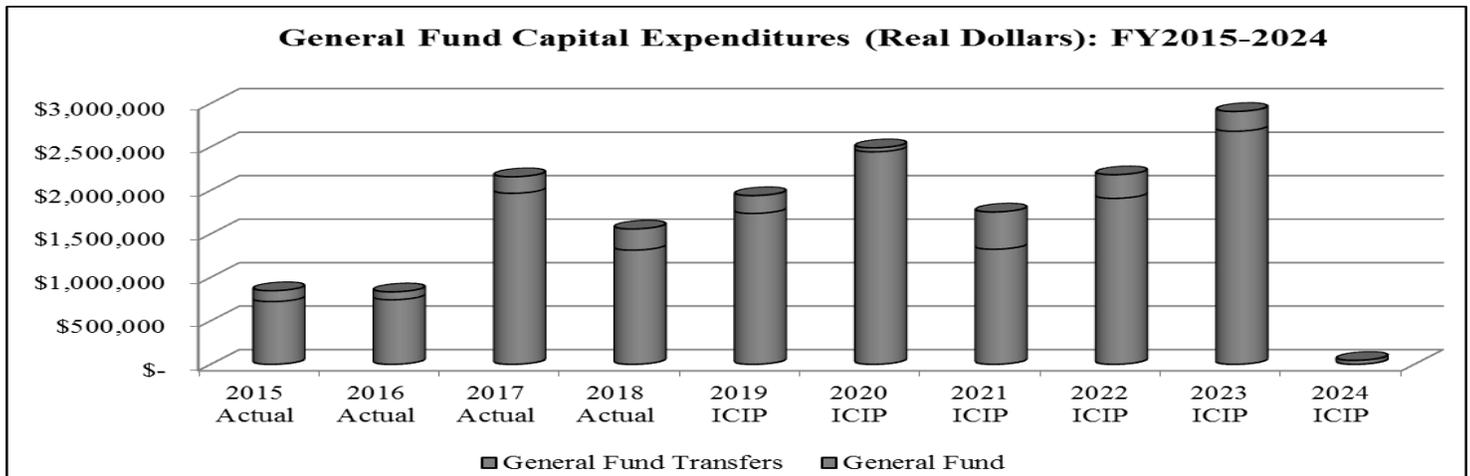
- Net increase of \$2 million as a result of revision to cost estimates and needs assessments for several wastewater improvement projects per the 2018 Utility Rate Study baseline ICIP.
- Decrease of \$1.4 for prior year actual expenditures for WWTP1 replacement.
- Decrease of \$10 million for projects removed from the capital plan per the 2018 Utility Rate Study baseline ICIP, most notably Lift Station 2 relocation and a new warehouse at WWTP2.
- Increase of \$23.5 million for projects added to the capital plan per the 2018 Utility Rate Study baseline ICIP, most notably WWTP2 upgrades, and injection wells and advanced water treatment.

**Exhibit 3-Capital Sources and Uses (FY2009-2018)**

**TOTAL CAPITAL INVESTMENT: \$336,027,360**



## Exhibit 4-Historical and Planned Capital Expenditures (FY2015-FY2024)



Type of Fund	2015 Actual	2016 Actual	2017 Actual	2018 Actual	2019 ICIP	2020 ICIP	2021 ICIP	2022 ICIP	2023 ICIP	2024 ICIP
General Fund	\$ 125,280	\$ 90,574	\$ 189,191	\$ 243,291	\$ 204,516	\$ 45,500	\$ 427,492	\$ 271,100	\$ 227,500	\$ 45,500
General Fund Transfers	\$ 721,457	\$ 743,032	\$ 1,967,076	\$ 1,313,337	\$ 1,735,234	\$ 2,443,589	\$ 1,324,020	\$ 1,908,500	\$ 2,680,009	
Special Funds	\$ 6,544,772	\$ 11,275,686	\$ 7,576,753	\$ 2,260,102	\$ 22,413,668	\$ 5,026,509	\$ 9,276,824	\$ 3,579,852	\$ 1,972,479	\$ 1,506,205
Governmental Debt	\$ 1,071,251	\$ 1,301,457	\$ 5,506,615	\$ 118,096	\$ 16,829,880		\$ 13,935,400		\$ 13,818,000	\$ 608,000
Utility Enterprise Funds	\$ 7,125,387	\$ 7,308,490	\$ 14,553,015	\$ 3,472,551	\$ 23,031,430	\$ 14,095,159	\$ 21,495,642	\$ 15,511,876	\$ 12,365,027	\$ 18,772,236
Utility Enterprise Debt	\$ 3,585,781	\$ 3,411,849	\$ 292,555	\$ 1,698,782	\$ 23,725,523	\$ 1,300,000	\$ 1,700,000	\$ 5,300,000	\$ 6,900,000	\$ 2,300,000
Multipurpose Event Center	\$ -	\$ -	\$ 44,037	\$ 79,449	\$ 50,000	\$ 65,000	\$ 115,000	\$ 140,000	\$ 155,000	\$ 65,000
TBD-Governmental Funds	\$ -	\$ -	\$ -	\$ -	\$ 160,152	\$ 5,503,982	\$ 19,858,528	\$ 15,431,673	\$ 2,905,611	\$ 13,184,465
TBD-Utility Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	<b>\$19,173,928</b>	<b>\$24,131,087</b>	<b>\$30,129,241</b>	<b>\$ 9,185,608</b>	<b>\$88,150,403</b>	<b>\$28,479,739</b>	<b>\$68,132,906</b>	<b>\$42,143,001</b>	<b>\$41,023,626</b>	<b>\$36,481,406</b>



<b>Exhibit 6</b>		<b>Estimate of Net Operating Impact</b>						
<b>Facility Category</b>	<b>Project</b>	<b>2020-2021</b>	<b>2022-2023</b>	<b>2024-2025</b>	<b>2026-2027</b>	<b>2028-2029</b>	<b>TOTAL <sup>1</sup></b>	
General and Other	General Fleet Vehicles and Heavy Equipment	(644)	(672)	(700)	(981)	(1,072)	(4,070)	
General and Other	City Facilities-Loma Colorado Roof Restoration	(16,101)	(16,794)	(17,507)	(18,209)	(18,911)	(87,521)	
General and Other	City Facilities-Loma Colorado Roof Restoration (Asset Preservation)	(12,458)					(12,458)	
<b>General and Other Total</b>		<b>(29,203)</b>	<b>(17,465)</b>	<b>(18,207)</b>	<b>(19,190)</b>	<b>(19,984)</b>	<b>(104,049)</b>	
Police	Police Vehicles	(40,775)	(23,228)	(24,214)			(88,216)	
Police	Police Motorcycles	(1,255)	(1,309)	(1,364)			(3,927)	
Police	Sandoval County Regional Communications Center Software and Equipment	(5,299)	(5,527)	(5,761)	(5,992)	(6,224)	(28,802)	
Police	Sandoval County Regional Communications Center Software and Equipment	9,368	9,771	10,186	10,594	11,003	50,921	
<b>Police Total</b>		<b>(37,960)</b>	<b>(20,292)</b>	<b>(21,154)</b>	<b>4,602</b>	<b>4,779</b>	<b>(70,024)</b>	
Fire and Rescue	Fire Apparatus	(72,662)	23,991	(44,904)	37,837	(43,594)	(99,332)	
Fire and Rescue	Fire Equipment	(11,385)	(8,550)	(3,456)	(7,378)	(540)	(31,309)	
Fire and Rescue	Fire Command/Response Vehicles	(261)	(338)	(140)	(224)	296	(666)	
<b>Fire and Rescue Total</b>		<b>(84,309)</b>	<b>15,103</b>	<b>(48,499)</b>	<b>30,235</b>	<b>(43,838)</b>	<b>(131,308)</b>	
Parks	Playground Replacement	(4,567)	(4,763)	(4,966)	(5,165)	(5,364)	(24,824)	
Parks	Playground Replacement	(1,474)	(1,309)	(1,364)	1,419	1,474	(1,254)	
Parks	Campus Park	108,525	96,373	100,465	104,495	108,525	518,381	
<b>Parks Total</b>		<b>102,484</b>	<b>90,301</b>	<b>94,135</b>	<b>100,749</b>	<b>104,634</b>	<b>492,303</b>	
Transportation	Southern Boulevard	165,362	146,847	228,365	315,828	328,009	1,184,411	
Transportation	Lincoln Avenue Extension		187,487	195,448	304,105	420,538	1,107,579	
<b>Transportation Total</b>		<b>165,362</b>	<b>334,334</b>	<b>423,813</b>	<b>619,934</b>	<b>748,547</b>	<b>2,291,990</b>	
<b>GOVERNMENTAL TOTAL <sup>2</sup></b>		<b>116,375</b>	<b>401,981</b>	<b>430,088</b>	<b>736,329</b>	<b>794,139</b>	<b>2,478,912</b>	

<b>Exhibit 6</b>		<b>Estimate of Net Operating Impact</b>											
<b>Facility Category</b>	<b>Project</b>	<b>2020-2021</b>	<b>2022-2023</b>	<b>2024-2025</b>	<b>2026-2027</b>	<b>2028-2029</b>	<b>TOTAL <sup>1</sup></b>						
Water	Redrill Well 13 and Equip for Arsenic Removal	560,028	839,683	1,154,127	1,650,402	2,360,075	6,564,315						
<b>Water Total</b>		<b>560,028</b>	<b>839,683</b>	<b>1,154,127</b>	<b>1,650,402</b>	<b>2,360,075</b>	<b>6,564,315</b>						
Wastewater	Replace WWTP 1	337,000	714,979	1,019,050	1,062,869	1,108,572	4,242,470						
Wastewater	WWTP 2 UV Improvements	16,269	17,597	390,047	406,819	423,092	1,253,823						
Wastewater	WWTP 2/Lift Station 14.2 Odor Control	27,530	34,296	20,866	21,700	22,568	126,960						
<b>Wastewater Total</b>		<b>380,799</b>	<b>766,872</b>	<b>1,429,962</b>	<b>1,491,388</b>	<b>1,554,232</b>	<b>5,623,253</b>						
<b>UTILITY TOTAL <sup>3</sup></b>		<b>940,827</b>	<b>1,606,555</b>	<b>2,584,089</b>	<b>3,141,790</b>	<b>3,914,307</b>	<b>12,187,568</b>						
<b>Grand Total</b>		<b>1,057,202</b>	<b>2,008,536</b>	<b>3,014,177</b>	<b>3,878,119</b>	<b>4,708,446</b>	<b>14,666,480</b>						
<p>1. Estimate costs are incremental and are the net result of one or more of three cost elements: operating savings, increased operating expenditures, and increased or decreased operating revenue.</p> <p>2. Net operating cost estimates factor in projected inflation (Average: 2.3%) based on University of New Mexico, Bureau of Business &amp; Economic Research August 2018 Economic Forecast.</p> <p>3. Net operating cost estimates are escalated at 3%, an industry accepted average price index for water and wastewater utility operations.</p>													

**Exhibit 7-Reconciliation**

<b>FY2019-2024 Reconciliation of the Infrastructure and Capital Improvements Plan (ICIP) to the FY2019 Capital Outlay Budget</b>	
<b>Total FY2019 ICIP Spending Amount</b>	<b>25,697,324</b>
Amounts presented in the FY2019 ICIP are different because:	
Major repair items related to capital assets are budgeted as materials and services	(84,885)
Engineering services related to future capital projects are budgeted as materials and services	(160,000)
Minor Equipment items are budgeted as materials and services	(25,000)
	Total <u>(269,885)</u>
<b>Total FY2019 Capital Outlay Budget Amount</b>	<b>25,427,439</b>

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**General and Other Facility Category**

The General and Other facility category includes capital assets and projects utilized to provide services both directly to the public in the form of major city operations and for internal organizational support. The category also acts as a ‘catch-all’ for projects that cannot be clearly identified and categorized with other facility categories in the ICIP such as Multi-purpose Event Center (MPEC) improvements. Major assets and synopses of service provision associated with the General and Other category are outlined in the subsections below.

**Building and Facility Inventory and Condition**

The building and facility inventory presented in this section excludes facilities utilized by law enforcement, fire protection and emergency medical services, and parks and recreation. Description of the facilities utilized for those city operations as well as projects associated with those functions are including in their respective ICIP categories.

<b>Building Name</b>	<b>Square Footage</b>
• MPEC Center.....	165,000
• City Hall.....	67,670
• Loma Colorado Library.....	32,000
• Esther Bone Library.....	12,215
• Fleet Maintenance Building.....	5,175
• Motor Vehicle Division .....	4,700
• Building Maintenance Shop.....	3,272
• Streets and Right of Way Shop.....	2,786
• Fuel Station (Two 15,000 gallon gasoline and diesel tanks and associated pumps and dispensers)	
• Fleet Maintenance Yard	
• Streets and Right of Way Yard	

Newly constructed and recently renovated facilities in excellent to good condition include: The Multi-purpose Event Center (opened in 2006), City Hall (opened in 2007), Loma Colorado Library (opened in 2006), and Esther Bone Library (renovated in 2008). The Motor Vehicle Division building received a roof replacement in 2010, surveillance system, and HVAC improvements in 2014, and is in fair to good condition.

Facilities in relatively poor condition and those lacking capacity for long-term growth and sustainability include the Fleet Maintenance and Building Maintenance shops, and associated yard facilities. In 2006, a master plan was created for a new city maintenance facility to be located at the corner of Idalia Road NE and Kim Road NE. The new facility would have been constructed on 22 acres and housed multiple divisions, including Building Maintenance Services, Custodial Services, Fleet Services, Parks and Recreation, an Engineering field office, as well as a fueling station. Due to the high cost of the facility and lack of funding the new facility at the Kim Road location has been determined to be infeasible and the project deferred since 2006. The Public Works Department is reviewing an alternative location on Sara Road at the existing Wastewater Treatment Plant 1 facility, which will be decommissioned in the coming years. This location currently has a gated, secured area and has access to utilities. Staff anticipates the following non-exhaustive list of potential benefits resulting from a new city maintenance facility:

- End the current year-to-year lease agreement for the Building Maintenance and Fleet Services buildings.
- Provide secure parking for city vehicles and trailers to prevent theft and vandalism.

- The new facility will be designed to have additional bays to allow fleet mechanics to work on several vehicles at one time eliminating the downtime of having only one bay and having to push vehicles in and out of the shop. This will also allow the city the opportunity to increase the fleet mechanic staff in the future if necessary.
- Storage of products and equipment to prevent theft, vandalism, or damage by being exposed to the elements.

### *Building Maintenance Services Overview*

Building Maintenance Services consists of six employees that perform daily maintenance and repairs on over thirty city owned buildings located throughout Rio Rancho. These buildings range in size from 800 to 67,670 square feet and are used for various governmental purposes. The majority of maintenance and repairs are funded through the city's General Fund, however funding for major repair and capital improvement is supplemented by cell tower lease and facility rental revenue accounted for in the City Facility Improvement Special Fund. Common building maintenance activities include, but are not limited to the following areas:

- Electrical
- Heating, Ventilation, and Air Conditioning (HVAC)
- Plumbing
- Painting
- Drywall Repairs
- Remodeling rooms and offices
- Carpet, tile, and other floor repairs
- Moving furniture and installing cabinets

During FY2018 Building Maintenance Services completed or assisted in the completion of the following major projects:

- Loma Colorado outdoor parking lot lighting
- Sabana Grande Recreation Center windows and door replacement
- Quantum Police Headquarters kitchen counter replacement and sally port epoxy flooring
- Sports Complex bathroom renovation

Major projects planned for FY2019 are as follows:

- Loma Colorado Roof Restoration
- Esther Bone and Loma Colorado Security Camera Systems and Keyless Entry Improvements

### *Custodial Services Overview*

Custodial Services consists of nine employees that perform daily custodial services to over twenty city owned buildings throughout Rio Rancho. These buildings range in size from 800-67,760 square feet. Custodial job duties include but are not limited to the following areas:

- Throwing garbage on a daily basis.
- Daily cleaning and stocking restrooms.
- Mopping
- Vacuuming
- Carpet cleaning
- Stripping and re-waxing floors.

- Window cleaning
- Dusting
- Installing and replacing air fresheners.
- Responding to calls to clean up spills and other various substances.

A recent activity change in the FY2017 Budget included recurring funding for a new custodian position. The position helped to achieve better quality cleaning, preventative maintenance, and faster response times to work orders, as well as coverage when other custodians are on leave.

**General Vehicle Fleet and Heavy Equipment Inventory**

The General Vehicle Fleet and Heavy Equipment inventory presented in this section excludes vehicles and equipment items utilized in Law Enforcement and Fire and Rescue operations. Information about assets utilized for those major city operations are including in their respective ICIP categories. The General Vehicle Fleet and Heavy Equipment inventory consists of the following number of vehicles and items according to department.

<b>Department</b>	<b>#of vehicles/items</b>
• Public Works.....	138
○ Vehicles.....	54
○ Trailers.....	13
○ Dump Trucks.....	9
○ Sand Spreaders.....	7
○ Graders.....	5
○ Rollers.....	5
○ Snow Plow Blades.....	4
○ Street Sweepers.....	4
○ Tractor Trucks.....	3
○ Skid Steer Loaders.....	3
○ Water Distributor.....	3
○ Bucket Trucks.....	2
○ Crack Sealers.....	2
○ Forklifts.....	2
○ Loaders (4 cubic yards).....	2
○ Trailer Attenuators.....	2
○ All-purpose Bucket Attachment.....	1
○ Asphalt Pulverizing Machine.....	1
○ All-Terrain Vehicle.....	1
○ Autoscrubber.....	1
○ Backhoe.....	1
○ Compressor.....	1
○ Farm Tractor.....	1
○ Hot Box.....	1
○ Mechanic Service Truck.....	1
○ Mower.....	1
○ Planer.....	1
○ Power Broom.....	1
○ Restroom Trailer.....	1
○ Sand Blaster.....	1
○ Spray Trailer.....	1

# Capital Improvement Plan General and Other



FY19

- Trailer with Tank..... 1
- Vibratory Soil Compactor..... 1
- Wrecker..... 1
- Parks and Recreation..... 58
  - Vehicles..... 38
  - Trailers.....21
  - Surrey Buses..... 2
  - 6 CY Dump Truck..... 1
  - 200 Gallon Sprayer.....1
  - Box Truck..... 1
- Development Services..... 17
- Animal Control..... 8
- Senior Services..... 6
- Information Technology..... 2
- Finance..... 1
- Library.....2
- Convention and Visitor’s Bureau..... 1
- City Administration..... 1
- Mayor’s Office..... 1

*Fleet Services Overview*

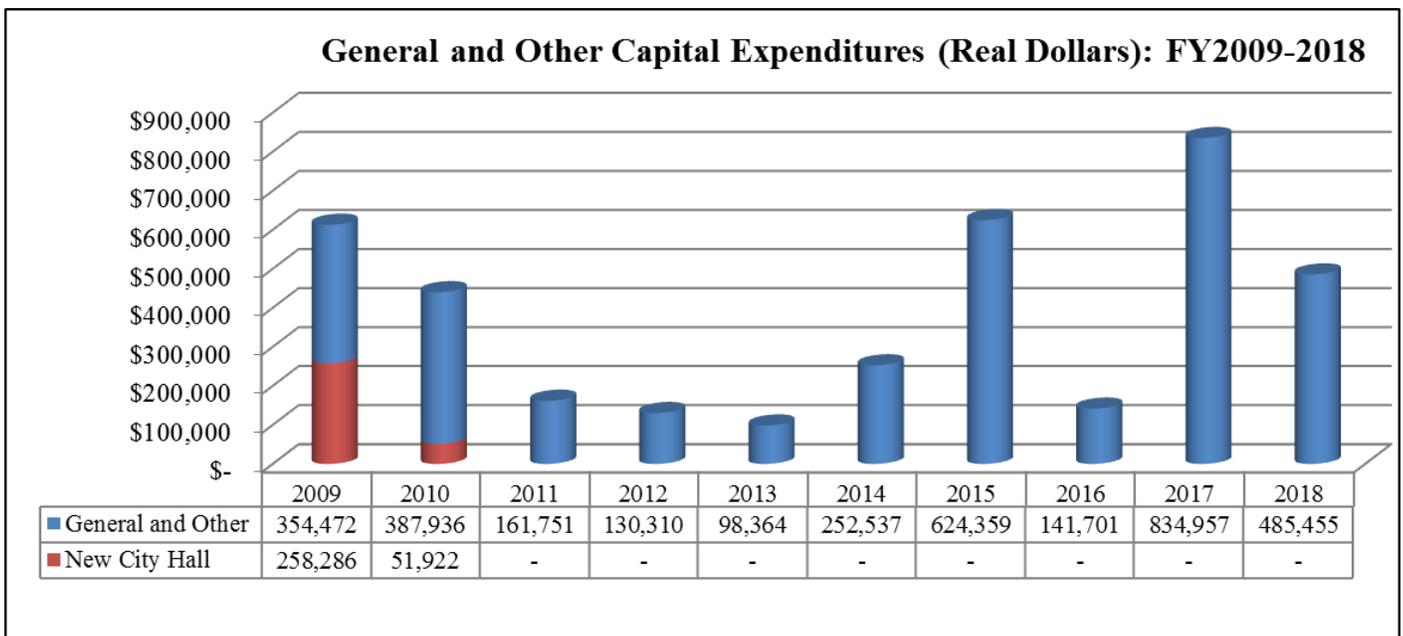
Fleet Services staff consists of four automotive mechanics and one fleet coordinator. Fleet Services is responsible for routine maintenance and repairs on over 400 city vehicles including sedans, pickup trucks, SUVs, vans, and ambulances. Fleet Services also manages contracts with vendors for repair and maintenance work that cannot be completed in-house such as wheel alignments, body repairs, police and fire vehicles, and communication equipment.

Fleet Services is also responsible for the acquisition of general vehicle fleet and heavy equipment items, and assists in procurement and disposal of Police and Fire and Rescue vehicles as needed. General fleet and heavy equipment replacement needs are evaluated annually based on the following criteria: vehicle condition and mileage, service/program prioritization and opportunity for reassignment between departments. The ICIP needs assessment through FY2024 totals \$3.95 million, including \$3.8 million in replacement needs and \$176,921 in new vehicle and equipment needs. An amount of \$3.3 million is funded at this time, while \$684,244 in funding sources is to be determined. The FY2019 ICIP consists of the following dollar amount acquisitions according to department:

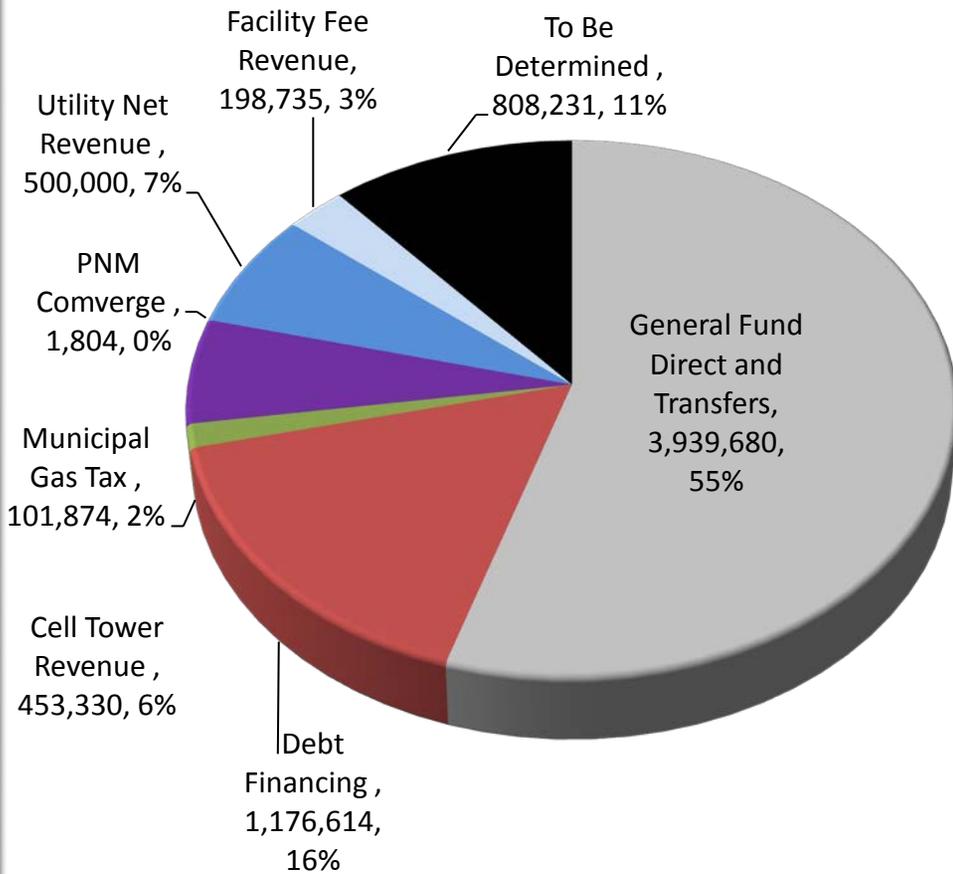
- Streets and Right-of-Way..... \$2,464,131
- Public Works..... \$541,482
- Parks and Recreation..... \$543,547
- Animal Control..... \$165,000
- Development Services..... \$199,097
- Libraries..... \$38,000

**Funding Sources**

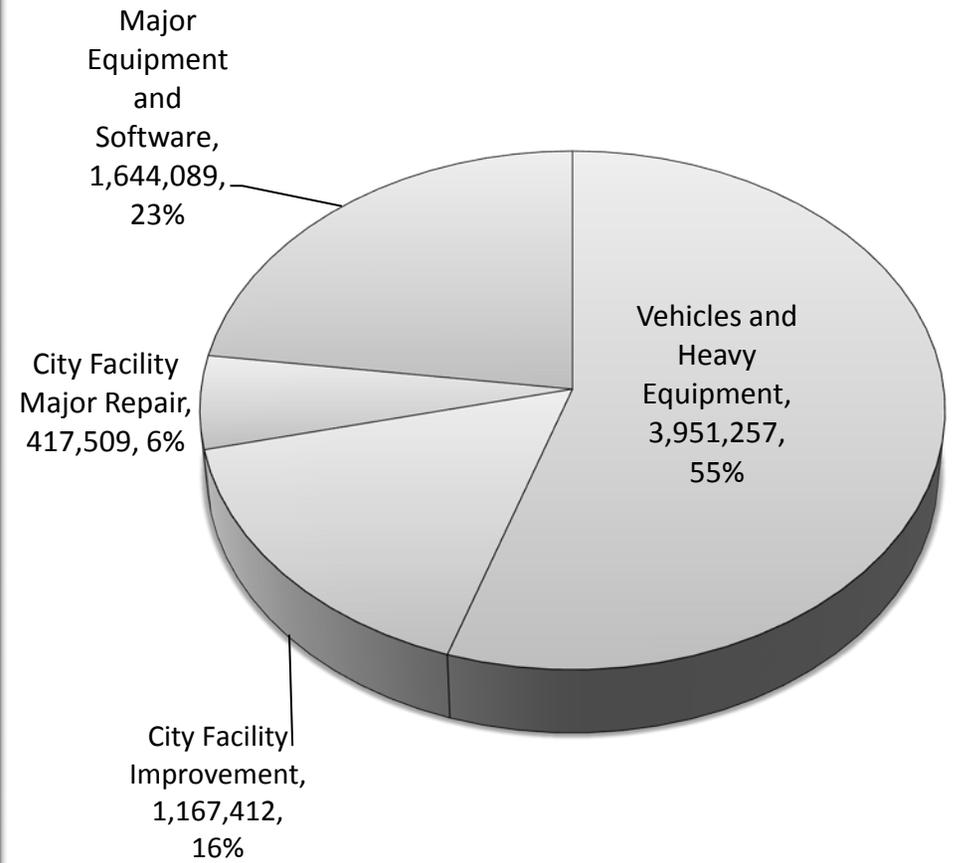
Capital expenditures for the General and Other facility category have been mostly cash funded during the last ten years, drawing primarily from general fund sources (i.e. gross receipts and property tax revenue). Major projects since Fiscal Year 2009 have included improvements to City Hall; fleet vehicle replacement; heavy equipment acquisitions for the Streets and Right-of-Way Division; and major equipment acquisition for governmental operations. Federal, state, and local grant funds accounted for twenty-three percent of expenditures and have included energy efficiency projects in FY2009 and FY2010 funded by federal grants; and Radio-frequency identification (RFID) equipment and supplies for Loma Colorado Library in FY2015 funded by state and county bond proceeds.



**Financing Sources**



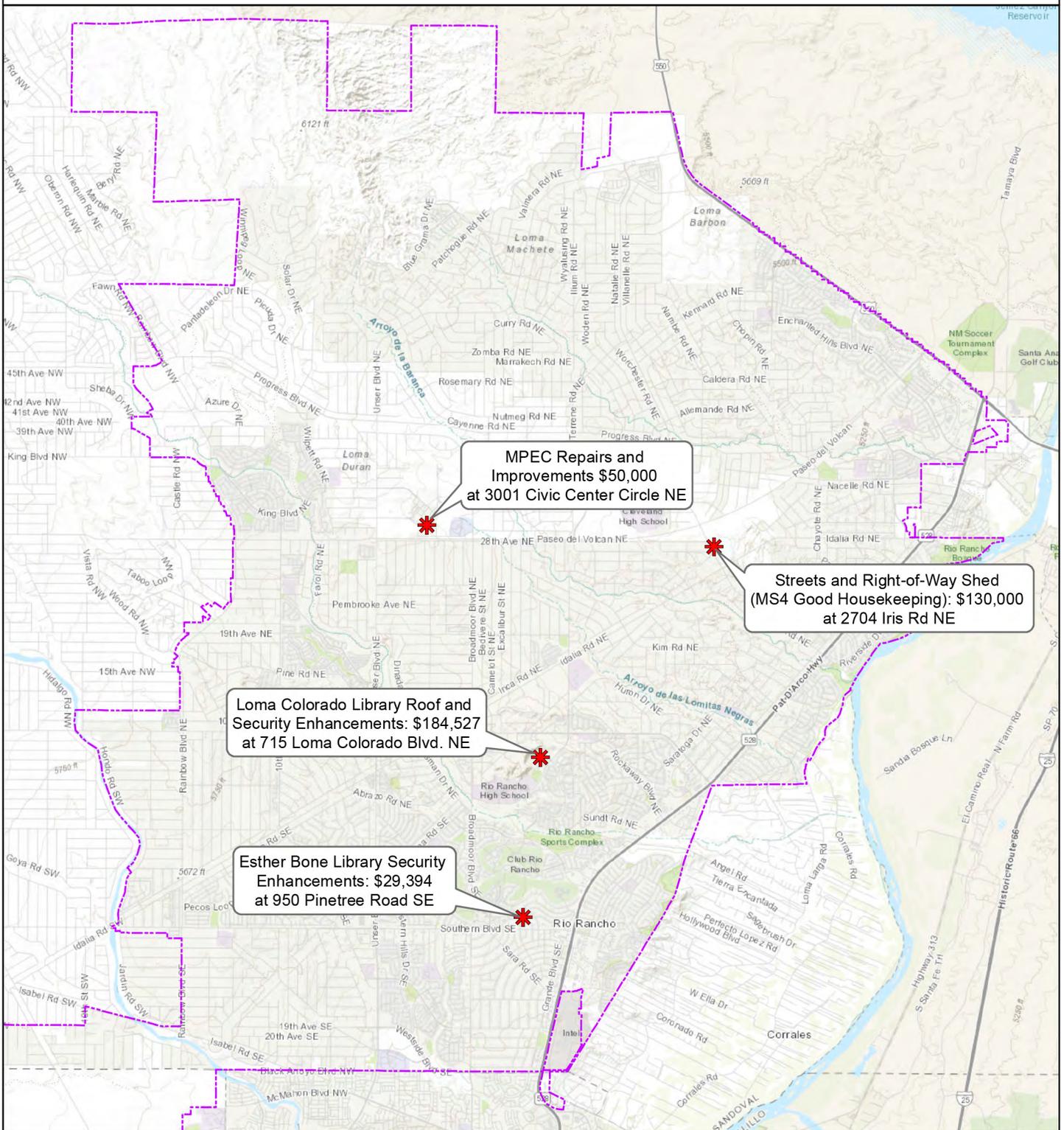
**Financing Uses**



**GRAND TOTAL:**

**7,180,268**

# FY2019 ICIP: GENERAL AND OTHER



Map Created by John Martineau 8-23-18



Project Location

City Boundary

DISCLAIMER: All information in this map is provided "as is" without warranty or any representation of accuracy, timeliness, or completeness. This map is not a survey and should be used for graphical purposes only.



**FY2019 ICIP: General and Other Departments**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>1</b>	<b>General Fleet Vehicles and Heavy Equipment</b>	<b>2,321,913</b>	<b>707,131</b>	<b>211,882</b>	<b>919,013</b>	<b>188,000</b>	<b>552,000</b>	<b>500,000</b>	<b>500,000</b>	<b>1,292,244</b>	<b>3,951,257</b>
	General Fleet Vehicles	727,899	138,118	110,008	248,126	-	277,000	225,000	237,000	500,000	1,487,126
	Streets and Right of Way Equipment	1,594,015	569,013	101,874	670,887	188,000	275,000	275,000	263,000	792,244	2,464,131
	Total	2,321,913	707,131	211,882	919,013	188,000	552,000	500,000	500,000	1,292,244	3,951,257
	Municipal Gas Tax Loan (Fund 270)	595,400	568,614		568,614					608,000	1,176,614
	Municipal Gas Tax (Fund 270)			101,874	101,874						101,874
	General Fund (Fund 312)	1,726,513	138,517	110,008	248,525	188,000	552,000	500,000	500,000		1,988,525
	To Be Determined				-					684,244	684,244
	Total	2,321,913	707,131	211,882	919,013	188,000	552,000	500,000	500,000	1,292,244	3,951,257
					-						
<b>2</b>	<b>City Facilities</b>	<b>186,406</b>	<b>-</b>	<b>343,921</b>	<b>343,921</b>	<b>73,500</b>	<b>142,500</b>	<b>185,000</b>	<b>-</b>	<b>250,000</b>	<b>994,921</b>
	Capital Improvement	135,292		327,412	327,412	65,000	125,000	75,000		200,000	792,412
	Major Repair	51,114		16,509	16,509	8,500	17,500	110,000		50,000	202,509
	Total	186,406	-	343,921	343,921	73,500	142,500	185,000	-	250,000	994,921
	General Fund Transfer (Fund 313)	90,414		259,065	259,065		88,000	110,000			457,065
	Cell Tower Revenue (Fund 313)	82,134		83,052	83,052	73,500	54,500	75,000		167,278	453,330
	PNM Comverge (Fund 313)	13,858		1,804	1,804						1,804
	To Be Determined				-	-	-	-	-	82,722	82,722
	Total	186,406	-	343,921	343,921	73,500	142,500	185,000	-	250,000	994,921



**FY2019 ICIP: General and Other Departments**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>3</b>	<b>Major Equipment and Software</b>	<b>179,914</b>			-	<b>1,644,089</b>					<b>1,644,089</b>
	General Fund Direct (Fund 101)	116,427			-						-
	Municipal Gas Tax (Fund 270)	30,546									-
	General Fund Transfer (Fund 311)	16,015				1,144,089					1,144,089
	Utility Net Revenue (Fund 501)	16,927				500,000					500,000
	<b>Total</b>	<b>179,914</b>	-	-	-	<b>1,644,089</b>	-	-	-	-	<b>1,644,089</b>
<b>4</b>	<b>Multipurpose Event Center</b>	<b>352,745</b>	-	<b>50,000</b>	<b>50,000</b>	<b>65,000</b>	<b>115,000</b>	<b>140,000</b>	<b>155,000</b>	<b>65,000</b>	<b>590,000</b>
	Capital Improvement	264,586			-	32,500	110,000	52,500	120,000	60,000	375,000
	Major Repair	88,159		50,000	50,000	32,500	5,000	87,500	35,000	5,000	215,000
	<b>Total</b>	<b>352,745</b>	-	<b>50,000</b>	<b>50,000</b>	<b>65,000</b>	<b>115,000</b>	<b>140,000</b>	<b>155,000</b>	<b>65,000</b>	<b>590,000</b>
	General Fund Transfer (Fund 601)	270,409			-	-	95,000	120,000	135,000		350,000
	Facility Fee Revenue (Fund 601)	82,336		50,000	50,000	65,000	20,000	20,000	20,000	23,735	198,735
	To Be Determined					-	-	-	-	41,265	41,265
	<b>Total</b>	<b>352,745</b>	-	<b>50,000</b>	<b>50,000</b>	<b>65,000</b>	<b>115,000</b>	<b>140,000</b>	<b>155,000</b>	<b>65,000</b>	<b>590,000</b>
					-						-



**FY2019 ICIP: General and Other Departments**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
	<b>GRAND TOTAL</b>	<b>3,040,978</b>	<b>707,131</b>	<b>605,803</b>	<b>1,312,934</b>	<b>1,970,589</b>	<b>809,500</b>	<b>825,000</b>	<b>655,000</b>	<b>1,607,244</b>	<b>7,180,268</b>
	General Fund Direct and Transfers	2,219,778	138,517	369,073	507,590	1,332,089	735,000	730,000	635,000	-	3,939,680
	Debt Financing	595,400	568,614	-	568,614	-	-	-	-	608,000	1,176,614
	Municipal Gas Tax	30,546	-	101,874	101,874	-	-	-	-	-	101,874
	Cell Tower Revenue	82,134	-	83,052	83,052	73,500	54,500	75,000	-	167,278	453,330
	PNM Converge	13,858	-	1,804	1,804	-	-	-	-	-	1,804
	Utility Net Revenue	16,927	-	-	-	500,000	-	-	-	-	500,000
	Facility Fee Revenue	82,336	-	50,000	50,000	65,000	20,000	20,000	20,000	23,735	198,735
	To Be Determined	-	-	-	-	-	-	-	-	808,231	808,231

<b>GENERAL AND OTHER PROJECTS UNDER CONSIDERATION</b>			
<b>Rank</b>	<b>Project Name</b>	<b>Fiscal Year(s)</b>	<b>Project Estimate</b>
5	City Maintenance Yard	2020-2023	\$ 10,869,105
6	Municipal Court	2024	\$ 6,840,000
	<b>TOTAL</b>		<b>\$ 17,709,105</b>

**Fleet Vehicles and Heavy Equipment**

The fiscal year 2018 budget included \$260,000 for various vehicle and equipment acquisitions funded by General Fund sources. Two passenger vans for the Parks and Recreation Department are on order, and various other vehicle and equipment acquisitions are planned for the Park Maintenance, Building Maintenance, Development Services, and Streets



and Right-of-Way Divisions. An additional \$385,098 rolled forward from the FY2017 budget for Streets and Right-of-Way equipment supporting the crack patching and crack sealing programs. Four (4) crew trucks, two (2) dump bodys, a service crane body, clean machine/water sprayer, and various equipment attachments were acquired in FY2018 utilizing General Fund sources.

**Streets and Right-of-Way Vehicle Lift**

The fiscal year 2018 Budget included \$8,357 for acquisition of a new two post, 16 foot, 15,000 lb. vehicle lift for the Streets and Right-of-Way Division mechanic shop. The lift provides for a more efficient and safe working environment for shop mechanics allowing service technicians to drop fluids, rotate tires, and perform repairs to the underside of vehicles and heavy equipment. The lift was installed in summer 2017 utilizing General Fund sources.



**Municipal Court X-Ray Machine**

A replacement X-ray machine was placed into service at the Municipal Court facility in fall 2017. The new L-2 ProScan 6.4 was acquired and installed at a cost of \$26,312 utilizing General Fund sources.



## Existing Inventory

The Rio Rancho Police Department (RRPD), consists of 135 certified officers, operating out of the 34,574 square foot (sq. ft.) Quantum building located in east-central Rio Rancho near the intersection of New Mexico Highway 528 and Quantum Road. The city acquired the building in 1997 (G.O. Bond, Series 1997: \$5,000,000) and subsequently renovated the facility in 2003 via a \$4.5 million gross receipts tax bond. The Quantum building is also occupied by 73 full time equivalent (FTEs) civilian employees, including administrative staff, and call takers and dispatchers for the Sandoval County Regional Emergency Communications Center (2,786 sq. ft.). The Municipal Court occupies the remaining 11,300 square feet of space at the Quantum Building and employees 14 FTEs at the facility.

The Animal Control facility (6,600 sq. ft.) is physically separate from the Quantum building, and consists of an office building and a shelter with 59 dog runs and a cattery. The Animal Control Unit is authorized for 16 full time equivalent employees.

Major non-building capital assets of the RRPD include the law enforcement vehicle fleet consisting of 162 marked, unmarked, and administrative vehicles used for administrative, traffic, patrol, and investigation operations. The Department also has fifteen special use and heavy equipment vehicles and items utilized for specialty operations such as SWAT. The Animal Control fleet consists of eight vehicles, almost exclusively heavy-duty pick-up trucks with mounted animal transport boxes.

## Current Capacity and Condition of Assets and Infrastructure

### *Quantum Building*

The Quantum facility functions as a Police headquarters and Municipal court house. In addition, adjacent building space is occupied by the Sandoval County Regional Emergency Communication Center (SCRECC) serving the City of Rio Rancho, Sandoval County, the Village of Corrales, Jemez Springs, Cuba, San Ysidro, and the Pueblos of Santa Ana, Jemez, Santo Domingo, and San Felipe.

The facility is in fair condition and is need of upgrades and repairs of carpeting and exterior finishes, interior paint, keyless entry access, an additional security door access point, improvements to the drainage run off adjacent to the building and out of the parking lot, and a renovation of the parking lot. The evidence room has had little growth since the building was converted to a police headquarters, and it is exceeding capacity. A recent shelving project funded by federal grant sources has provided additional storage capacity in the short term while design and construction of a separate evidence storage building commenced in FY2018 utilizing state appropriation and federal grant funds. The evidence storage building is expected to be completed in December 2018. The Police Department also received a grant from the Homeland Security Department for a 6' security fence with gates surrounding the police headquarters, emergency communications center, and municipal court building to be completed in September 2018.

The Quantum building had experienced constant degradation of function in video security equipment. Several areas of the building require constant monitoring due to security standards and liability concerns. At the end of FY2016, funds were diverted from other projects to keep the antiquated system operational. The FY2017 and FY2018 Budgets included capital outlay funds to upgrade the entire system from analog to digital thereby increasing the service life of the system, quality of signal, ease of storage/retrieval, and fidelity. In addition to providing enhanced safety and security outcomes, the ability to capture and store video is beneficial with regard to potential tort claims.

Until FY2014, no carpeting within the building had been replaced, and continues to be worn in several areas to the point where the sub-floor is visible. Ninety-five percent (95%) of the carpeting within the building is in need of

replacement. As the building continues to age, it is essential to implement a long-term care and improvement plan. Current building plans involve carpet replacement throughout the entire facility in FY2023.

Recent building maintenance and improvement projects have included:

- Server room HVAC replacement
- Parking lot rehabilitation with the assistance of the Streets and Right-of-Way Division (SROW). The north and east lots still flood and are in need of reengineering and repaving.
- Refurbishment of interior walls by the Building Maintenance Division. A plan has been formulated for a systematic maintenance and upkeep approach in the future.
- Re-keying of the Quantum Police Headquarters by the Building Maintenance Division.

### *Animal Control Facility*

The Animal Control facility was first established in 1992 and consisted of fifteen dog runs. In 1993 a single wide trailer was placed on the property as office space for employees. Ten additional dog runs and a cattery were built in 1995, followed by a new permanent office building in 2004. In 2007, an expansion project added thirty-four additional dog runs. The facility now consists of an office building, a small cattery, and fifty-nine dog runs. The facility is near capacity on a daily basis having taken in 2,295 and 2,048 animals in FY2017 and FY2018, respectively. These intake numbers do not include animal euthanasia requests made by citizens.

Recent facility maintenance and improvement projects have included:

- A commercial dryer was obtained with donated funds to compliment the commercial washer previously purchased.
- All five evaporative cooler units have been replaced over a period of several years.

As the city continues to grow, the impounding of animals will also increase. Additionally, the facility lacks a separate quarantine area, a separate intake area, and a cattery away from impounded dogs. The importance of having separate buildings for each of these functions is to control communicable diseases. For example, if an animal with a communicable disease is impounded and placed near healthy animals, the facility could experience an outbreak that might result in the mass and unnecessary euthanasia of animals. A long term solution is acquiring additional land along with formulating a ten year development plan. In the near term, alternate solutions are being explored such as a portable building for a cattery.

### *Law Enforcement Vehicle Fleet*

The RRPD continues to face a critical phase in the aging of its law enforcement fleet inventory with thirty seven percent (37%) of marked and pool vehicles having 100,001 miles or more, and an additional fifteen percent (15%) possibly reaching 100,001 miles within the next year. Between FY2010 and FY2018, the Department has procured one-hundred-twenty (120) replacement police vehicles funded by various sources including federal grants, special fund loan proceeds, public safety impact fees, automated traffic enforcement fines, and general fund sources. The city anticipates replacing fifty-nine (59) vehicles in fiscal year 2019 utilizing general fund sources, automated traffic enforcement fines, and general obligation bond proceeds.

### *Vehicle Mileage and Replacement Plan*

The RRPD has identified an ideal target life for law enforcement vehicles of 80,000 miles. The table below indicates replacement of more than half of the existing fleet would be necessary to meet this standard. To maintain a law enforcement fleet with mileage equal to or less than 80,000 miles, vehicles would be replaced every 5 to 6 years assuming mileage of between 15,000 and 20,000 miles per annum. The fiscal year 2019 ICIP takes this ideal

standard and smooths out vehicle purchases over the planning period to fit within a reasonable estimate of annual financing availability, including for the first time funding from general obligation bond proceeds. The plan has been included in the ICIP as Exhibit 1 in the Executive Message section. The financing plan involves replacing one hundred sixty (160) vehicles through fiscal year 2024 at an estimated cost of \$7 million, including equipping. Sources of funding for this replacement program include automated traffic enforcement fines, public safety impact fees, and general obligation bond proceeds beginning with the 2018 bond cycle.

**Vehicle Statistics**

<b>Assignment</b>	<b>Percent ≤80,000</b>	<b>Percent 80,001- 100,000</b>	<b>Percent &gt;100,001</b>	<b>Percent of Total Fleet</b>
Marked Police Units	30%	8%	11%	48%
Unmarked Police Units	15%	4%	9%	28%
Police Administration Units	0%	0%	1%	1%
Special Use Police Units	4%	0%	6%	10%
Pool Police Units	0%	1%	11%	13%
<b>Percent of Total Fleet</b>	<b>49%</b>	<b>14%</b>	<b>38%</b>	<b>100%</b>

**Police Motorcycle Fleet**

The current inventory of police motorcycles includes eleven (11) units: seven (7) assigned to individual police officers for duty patrol, two (2) pool and training units, and two (2) that are slated for disposal. The department has acquired BMW motorcycles as part of its replacement plans since fiscal year 2010 and has donated several motorcycles to neighboring law enforcement jurisdictions as part of its replacement program. The fiscal year 2018 Budget included a capital appropriation for one (1) replacement motorcycle funded by traffic fine revenue; the unit has been ordered and will be delivered for service in fall 2019. The fiscal year 2019 Budget includes funding for two (2) replacement motorcycles.

**Repair and Maintenance Programs/Activities**

Recently, the Rio Rancho Police Department has made a concerted effort to improve the safety of their police vehicles. RRPD has been committed to purchasing police vehicles equipped with modern safety features such as advanced traction control, advanced air bags and restraints, back-up sensors, backing cameras, and hands free control devices. These features not only allow the driver to operate the vehicle in a manner in which crashes can likely be avoided, but also protect the occupants in the event of a crash.

The Police Department has also made ongoing efforts to standardize console, siren and light control equipment, and other police vehicle equipment. Based on this new standard, the estimated cost of equipment per newly acquired police vehicle is \$18,000, while the current price of the vehicle itself is \$27,000 for a total cost of \$45,000 per unit. Specialty units such as four wheel drive trucks and K9 units carry a higher cost (approximately \$50,000) from the manufacture and due to upfitting with special purpose equipment.

## Communications System

Until recently, the Rio Rancho Police and Fire Department's communications system has had only minor enhancements since it was first installed in the mid-1980s. In 2015, a general obligation bond was approved by the citizens of Sandoval County to radically improve emergency radio communications. The new simulcast system utilizes microwaves as a backbone to link repeaters throughout the Sandoval County coverage area. The linked repeaters provide better coverage of previous dead areas. Because of the potential interference between frequencies, new frequencies have been approved and assigned by the Federal Communications Commission (FCC). To date, three new repeater sites have been established on Angel Rd., Franklin Rd., and King Rd. and Unser Blvd. The tower that was erected at Angel Rd. was repurposed from a prior site near Fire Station 5. The site at Northern Blvd. and Rainbow Blvd. has been reconfigured to support the simulcast system. The repeater sites at all but Angel Rd. were intentionally co-located with water tanks so that the microwave backbone could support the Utility Department's monitoring system should they request it do so in the future. The new system was installed, tested, and ready for use in October 2016.

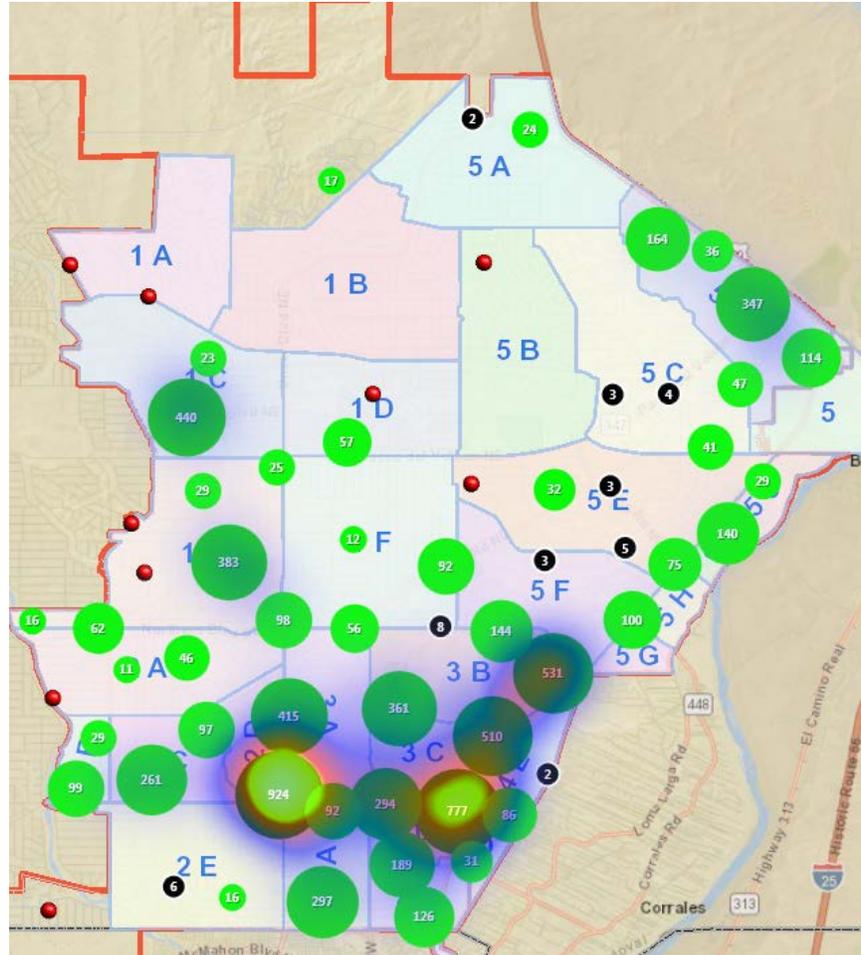
The next technological improvements to the Communications Center are in progress and consist of upgrades to the Computer Aided Dispatch (CAD) and Records Management (RMS) systems. The systems upgrade will streamline dispatch and reporting activity for law enforcement and fire and rescue services, allowing call takers, dispatchers, and field officers to utilize the latest mapping, crime analysis, situational awareness, and search reporting capabilities for the fastest and most accurate response to calls for service. RMS will eliminate redundant data entry by leveraging application integration with CAD and field reporting capabilities. Software will allow for several applications including desktop computer, laptop computer, tablets, and smartphone devices allowing for remote access to the CAD and Records Management systems. RMS will provide more accurate data for decision making related to staffing, scheduling, crime analysis, criminal investigations, and identifying call volumes by geographical area and time of day. The project is schedule to be completed in spring 2019.

## Infrastructure and Capital Improvement Plan Development

The RRPD updates its capital improvement plan concurrent with the annual budget process. Various source documents guide development of the ICIP including annual department needs assessments, ad-hoc committee reports, and the city's Strategic Plan. The Strategic Plan goal for Safety is to ensure that public safety service levels are maintained and that safety awareness is fostered. Strategic Plan objectives related to capital planning for the RRPD include establishing a recurring bond cycle to invest in public safety equipment, vehicles, and facility needs. The March 2018 municipal election included a bond question for public safety equipment and vehicles to include police vehicle replacement for which the voters authorized issuance of \$4.1 million in general obligation bonds. Approximately \$2.2 million in bond proceeds has been programmed along with automated traffic enforcement revenue to replace an estimated fifty-nine police vehicles in FY2019.

An additional strategic objective relates to annual reporting of crime statistics and criminal activity and proactive discussion and explanation of such information within the community. The 'heat map' below indicates the locations where reported crimes have occurred during the last year. From the statistics obtained, the Department recommends a substation in the vicinity of Southern and Unser to address saturation. On the north side of the city, crime trends are not so apparent, primarily due to less focused development. A central location for a northern substation would be in the area of V. Sue Cleveland High School. Police substations have been placed on the Projects Under Consideration list and are considered deferred projects.

HEAT MAP



- Red dots are a single incident.
- Black dot is 2-9 incidents
- Green area is 10+ incidents

Developer Contributions

The city’s updated Impact Fee Plan and Ordinance (O-9, Enactment 17-12), adopted in 2017 establishes new development fees effective July 1, 2018:

- Single Family Residential: \$358
- Multi-Family Residential: \$255
- Commercial: \$220/1,000 square foot
- Office/Institutional: \$670/1,000 square foot
- Industrial: \$20/1,000 square foot

These fees have been discounted from the 2016 Impact Fee Study’s recommended unit costs. The recommended unit costs represented the current level of service experienced by existing development that new development

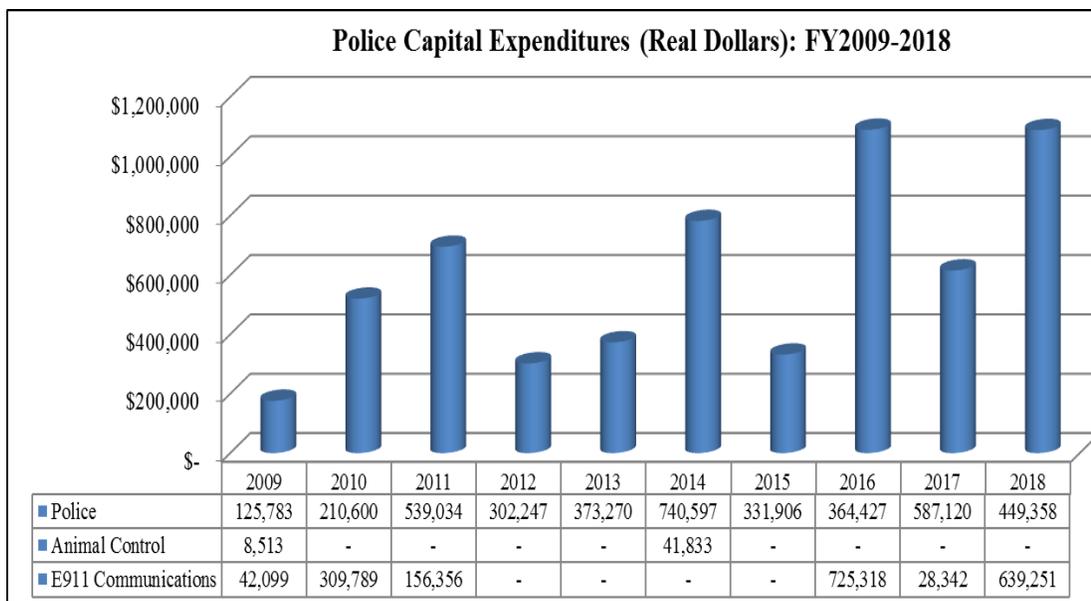
would be asked to buy into under the study’s methodology. The impact fee amounts were adjusted from the Impact Fee Study recommendations based on:

- Heavily weighting market competitiveness with Albuquerque
- Heavily weighting need to attract commercial/retail to the community to grow gross receipts tax based
- Maintaining the integrity of existing held credits
- Capital project needs of the city
- Best available data
- Providing predictability to developers
- Phase in changes to impact fees amounts over time

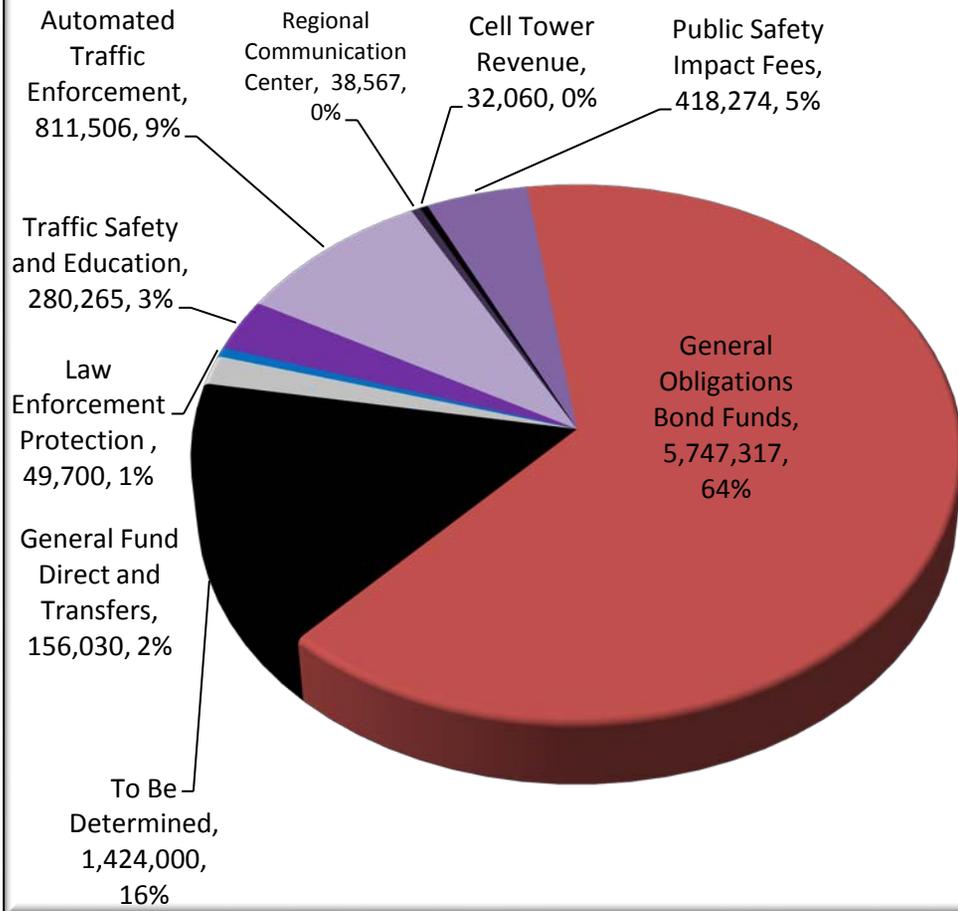
Generally, the city has elected to collect impact fees and construct its own public safety facilities, and therefore has minimal impact fee credits outstanding. Impact fee revenue is split among the Police and Fire and Rescue functions according to the Public Safety Vehicle Financing Plan (ICIP Exhibit 1) to finance public safety equipment costing \$10,000 or more and having a useful life exceeding ten (10) years. The Impact Fee Capital Improvement Plan (IFCIP) for public safety impact fees is included in the ICIP as a component plan.

**Funding Sources**

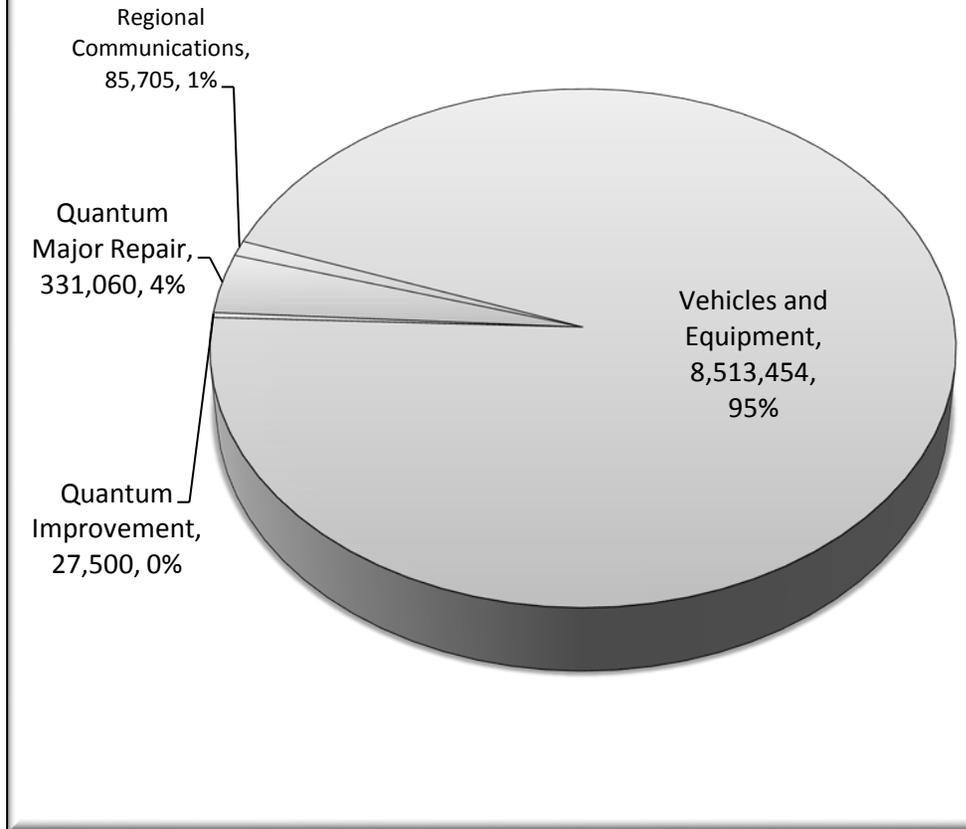
Police capital projects and equipment acquisitions are funded through a combination of general fund direct spending and operating transfers, law enforcement protection grant funding, federal and state grants, traffic education fees, automated traffic enforcement fines, and public safety impact fees. Expenditures for police capital projects and equipment have exceeded \$1 million in two of the last five years due to substantial investment in police vehicle replacement and emergency communications equipment and software upgrades. Federal and state grants have accounted for more than one third of funding for the capital program during the last five years, while various special fund sources, namely traffic fines and automated traffic enforcement revenue, have contributed a twenty-six percent (26%) share during the same period. Loan proceeds, General Fund support, and impact fees contributed eighteen percent (18%), fourteen percent (14%), and six percent (6%), respectively. General Fund support has been mostly for emergency communications equipment and software upgrades. Aggressive replacement of the law enforcement vehicle fleet is expected to continue over the next five years due to a recurring general obligation bond cycle for public safety equipment and vehicle needs.



**Financing Sources**



**Financing Uses**



**GRAND TOTAL: 8,957,719**

# FY2019 ICIP: POLICE



Sandoval County Regional  
Communications Software Upgrade:  
\$85,705 at 500 Quantum Rd. NE

Quantum Headquarters Security  
Enhancements: \$11,560  
at 500 Quantum Rd. NE



Map Created by John Martineau 8-23-18



Project Location

DISCLAIMER: All information in this map is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. This map is not a survey and should be used for graphical purposes only.



**FY2019 ICIP: Police**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>1</b>	<b>Police Vehicles</b>	<b>3,027,988</b>	<b>2,197,024</b>	<b>414,178</b>	<b>2,611,202</b>	-	<b>2,202,107</b>	-	<b>2,265,180</b>	-	<b>7,078,489</b>
	Police Vehicles	1,902,862	1,296,764	248,507	1,545,271		1,306,200		1,331,400		4,182,871
	Police Vehicle Equipping	1,125,126	864,510	165,671	1,030,181		870,800		887,600		2,788,581
	Contingency and ARTS 1%		35,750		35,750		25,107		46,180		107,037
	<b>Total</b>	<b>3,027,988</b>	<b>2,197,024</b>	<b>414,178</b>	<b>2,611,202</b>	-	<b>2,202,107</b>	-	<b>2,265,180</b>	-	<b>7,078,489</b>
	Law Enforcement Protection Loan (Fund 241)	242,950			-						-
	Law Enforcement Protection (Fund 241)	40,000			-						-
	General Fund (Fund 312)	200,171		101,392	101,392						101,392
	State Shared GRT Loan (Fund 312)	831,160			-						-
	State Appropriations Fund (Fund 315)	983,600			-						-
	Automated Traffic Enforcement (Fund 246)	512,870	-	312,786	312,786		249,360		249,360		811,506
	Public Safety Impact Fees (Fund 354)	217,237	30,274		30,274		244,000		144,000		418,274
	General Obligations Bond Funds		2,166,750		2,166,750		1,708,747		1,871,820		5,747,317
	<b>Total</b>	<b>3,027,988</b>	<b>2,197,024</b>	<b>414,178</b>	<b>2,611,202</b>	-	<b>2,202,107</b>	-	<b>2,265,180</b>	-	<b>7,078,489</b>
					-						
<b>2</b>	<b>Police Motorcycles</b>	<b>139,625</b>	<b>32,045</b>	<b>73,220</b>	<b>105,265</b>	<b>35,000</b>	<b>35,000</b>	<b>35,000</b>	<b>35,000</b>	<b>35,000</b>	<b>280,265</b>
	Police Motorcycles	101,018	23,445	49,000	72,445	24,500	24,500	24,500	24,500	24,500	194,945
	Police Motorcycle Equipping	38,607	8,600	24,220	32,820	10,500	10,500	10,500	10,500	10,500	85,320
	<b>Total</b>	<b>139,625</b>	<b>32,045</b>	<b>73,220</b>	<b>105,265</b>	<b>35,000</b>	<b>35,000</b>	<b>35,000</b>	<b>35,000</b>	<b>35,000</b>	<b>280,265</b>
	Traffic Safety and Education (Fund 243)	139,625	32,045	73,220	105,265	35,000	35,000	35,000	35,000	35,000	280,265



**FY2019 ICIP: Police**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>3</b>	<b>Quantum/DPS Headquarters</b>	<b>471,660</b>	-	<b>11,560</b>	<b>11,560</b>	-	<b>28,000</b>	<b>35,000</b>	<b>134,000</b>	<b>150,000</b>	<b>358,560</b>
	Quantum Improvements	463,960		7,500	7,500		20,000				27,500
	Quantum Major Repairs	7,700		4,060	4,060		8,000	35,000	134,000	150,000	331,060
	<b>Total</b>	<b>471,660</b>	-	<b>11,560</b>	<b>11,560</b>	-	<b>28,000</b>	<b>35,000</b>	<b>134,000</b>	<b>150,000</b>	<b>358,560</b>
					-						
	General Fund	23,300		7,500	7,500						7,500
	Federal Grants (Fund 259)	126,761			-						-
	Cell Tower Revenue (Fund 313)	34,585		4,060	4,060		28,000				32,060
	State Appropriations Fund (Fund 315)	222,750									-
	Public Safety Impact Fees (Fund 354)	64,264									-
	To Be Determined					-	-	35,000	134,000	150,000	319,000
	<b>Total</b>	<b>471,660</b>	-	<b>11,560</b>	<b>11,560</b>	-	<b>28,000</b>	<b>35,000</b>	<b>134,000</b>	<b>150,000</b>	<b>358,560</b>
					-						
<b>4</b>	<b>Sandoval County Regional Communications Center Software and Equipment</b>	<b>996,815</b>		<b>85,705</b>	<b>85,705</b>						<b>85,705</b>
					-						
	General Fund (Fund 280)	518,344		47,138	47,138						47,138
	Joint Powers Agreement Revenue (Fund 280)	478,471		38,567	38,567						38,567
	<b>Total</b>	<b>996,815</b>	-	<b>85,705</b>	<b>85,705</b>	-	-	-	-	-	<b>85,705</b>
<b>5</b>	<b>Police Equipment and Software</b>			<b>49,700</b>	<b>49,700</b>						<b>49,700</b>
	Law Enforcement Protection (Fund 241)			49,700	49,700						49,700
<b>6</b>	<b>Mobile Command Post</b>				-		<b>500,000</b>				<b>500,000</b>
											-
	To Be Determined				-		500,000				500,000
					-						



**FY2019 ICIP: Police**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
7	SWAT Vehicles				-				605,000		605,000
					-						
	To Be Determined				-				605,000		605,000
					-						-
	<b>GRAND TOTAL</b>	<b>4,636,087</b>	<b>2,229,069</b>	<b>634,363</b>	<b>2,863,432</b>	<b>35,000</b>	<b>2,765,107</b>	<b>70,000</b>	<b>3,039,180</b>	<b>185,000</b>	<b>8,957,719</b>
	General Fund Direct and Transfers	741,815	-	156,030	156,030	-	-	-	-	-	156,030
	Debt Financing	1,074,110	-	-	-	-	-	-	-	-	-
	Law Enforcement Protection	40,000	-	49,700	49,700	-	-	-	-	-	49,700
	Traffic Safety and Education	139,625	32,045	73,220	105,265	35,000	35,000	35,000	35,000	35,000	280,265
	Automated Traffic Enforcement	512,870	-	312,786	312,786	-	249,360	-	249,360	-	811,506
	Federal Grants	126,761	-	-	-	-	-	-	-	-	-
	Regional Communication Center	478,471	-	38,567	38,567	-	-	-	-	-	38,567
	Cell Tower Revenue	34,585	-	4,060	4,060	-	28,000	-	-	-	32,060
	State Appropriations Fund	1,206,350	-	-	-	-	-	-	-	-	-
	Public Safety Impact Fees	281,501	30,274	-	30,274	-	244,000	-	144,000	-	418,274
	General Obligations Bond Funds	-	2,166,750	-	2,166,750	-	1,708,747	-	1,871,820	-	5,747,317
	To Be Determined	-	-	-	-	-	500,000	35,000	739,000	150,000	1,424,000

<b>POLICE</b>			
<b>PROJECTS UNDER CONSIDERATION</b>			
<b>Rank</b>	<b>Project Name</b>	<b>Fiscal Year(s)</b>	<b>Project Estimate</b>
8	North Substation	2022-2023	\$ 2,156,000
9	South Substation	2023-2024	\$ 2,156,000
10	Multipurpose Law Enforcement Training Center	2024	\$ 2,513,000
	<b>TOTAL</b>		<b>\$ 6,825,000</b>

### Police Vehicles

Since fiscal year 2010, the Rio Rancho Police Department (RRPD) has procured a total of one hundred twenty (120) law enforcement vehicles as part of its ongoing fleet replacement program. Expenditures have totaled \$4.35 million including equipping, and have drawn from federal and state grants, public safety impact fees, automated



traffic enforcement, and General Fund sources as support. The department anticipates replacing approximately fifty-nine (59) vehicles in fiscal year 2019 utilizing automated traffic enforcement revenue, General Fund sources, and proceeds of the 2018 General Obligation Bond which received voter approval on March 6, 2018. The Public Safety Vehicle Financing Plan consists of replacing approximately fifty (50) units in subsequent bond cycle years in FY2021 and FY2023 for a total over one hundred sixty (160) through the planning period.

### Police Motorcycles



Since fiscal year 2010, the RRPD has procured a total of nine (9) replacement BMW police motorcycles for use in traffic safety and enforcement operations. Funding for police motorcycles consist of traffic safety education and enforcement fund revenue in accordance with municipal code providing for the purchase of equipment for the traffic safety program. The FY2019 replacement schedule plans for two (2) motorcycle replacements in fiscal year 2019 and a minimum of one (1) per fiscal year thereafter in order to smooth out the number of annual replacements over the planning period.

### Quantum Facility Security Fencing and Evidence Storage Building

Federal and state grants have been secured and public safety impact fees allocated for security fencing improvements and a new Evidence Storage building at the Quantum Police Headquarters. Design was completed in fall 2017 and the two projects are currently being constructed concurrently to be completed by the end of calendar year 2018.

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### Existing Inventory

Response services of the Rio Rancho Fire and Rescue Department (RRFR) operate out of six fire stations and one substation (used for reserve apparatus storage only). Staffing for these stations consist of 94 authorized Fire and Rescue personnel providing fire suppression, emergency medical services (EMS), and technical rescue services over a 104 square mile coverage area. Each fire station houses a minimum contingent of one ambulance and one fire engine. In

spring 2016 the department achieved the Public Protection Classification of 2 from The Insurance Service Organization (ISO).

In August 2013, the Fire and Rescue Administrative Division relocated from the Quantum building to a newly acquired headquarters located at 1526 Stephanie Road. The facility houses ten (10) Fire and Rescue personnel and three (3) civilian employees. Originally, the space consisted of 3,200 square feet of office space and 3,400 square feet of warehouse space. The warehouse space was converted to better utilization in three phases. Phase I was completed in May 2014 and consisted of information technology improvements and renovations converting 1,200 square feet of the warehouse into additional office space. The department was able to relocate the Fire Prevention Division into the new office space. Phase II was completed in September 2014 utilized grant funding for further renovations of 1,400 square feet of the warehouse for an Emergency Operations Center and training center. Phase III improvements were completed in November 2015 also utilized grant funding to convert 800 square feet into a fitness center and additional bathrooms. The relocation met a critical department need to have a single location for fire command staff, administrative staff, and sufficient functional space for meetings and trainings.

Major non-building capital assets of the RRFR include the vehicle fleet consisting of 53 assets used for fire and EMS response, fire prevention, administration and command activities. Fire apparatus consists of:

- 12 Ambulance Units (including Wildland Deployment and Extended Operations)
- 10 Fire Trucks (including 3 ladder trucks)
- 2 Parade Engines
- 3 Brush Trucks
- 1 Fuel Truck
- 23 Command Vehicles
- 2 Administrative Vehicles
- 7 Special Use Vehicles
- 2 Trailers

### Current Capacity and Condition of Assets and Infrastructure

#### *Fire Stations*

1. Station 1 - 2810 Southern Blvd. SE (1983)
  - 6 Bays, 4,814 sq. ft. interior storage for response vehicles
  - 4,425 sq. ft. living quarters
  - 4,425 sq. ft. quartermaster room, storage, classroom space and administrative space

Station 1 is antiquated and its basic infrastructure needs to be updated, including the fire suppression and sewer systems. Recent major repairs and renovations include:

- Westside bathroom updates including fixture replacement in two bathrooms in 2014
- Redesign and renovation of bunk, kitchen, and living areas of east wing of the station in 2015

- Installation of an in-line filter in the station sewer line in 2018

Renovation of the battalion chief's bathroom is planned in fiscal year 2019 utilizing fire protection state grant funds and improvements to the bays, roof, and west wing of the station are tentatively planned for fiscal year 2020 contingent upon identification of funding.

In 2015 the department implemented a new staffing/response model based on recommendations of the staffing analysis performed by City Gate Associates. To meet the high call demands of the southern district of the city, an additional engine company and ambulance was placed in service at this station. Station 1 has historically and continues to experience the highest call volume of all stations in the city.

2. Station 2 - 1490 Cherry Rd. NE (1988/2000)
  - 4-bays, 2,500 sq. ft. interior storage for response vehicles
  - 2,500 sq. ft. living quarters

Originally four bays and a 200 sq. ft. office, this station was enlarged to 5,000 square feet in 2000. Half of the floor plan for this station is living area and the remaining half are bays for the interior storage of response vehicles. This station had a wall relocated and HVAC redone to provide a sleeping area for the Captain in fiscal year 2013. The cost was less than \$4,000. In fiscal year 2016 the public-access foyer was removed to accommodate more living space at a cost of \$10,945.

3. Station 3 - 1650 Riverside Dr. NE (1990/2000)
  - 2 bays, 1,500 sq. ft. interior storage for response vehicles
  - 1,500 sq. ft. living quarters

Originally four bays and an 800 sq. ft. office, this station was reconfigured in 2000 to convert two of the bays into living quarters. Half of the floor plan for this station is living area and the remaining half are bays for the interior storage of response vehicles. The living area in this station is sparse with a very small kitchen, small living room, and no dining area. An expansion to improve conditions at this station is estimated at \$300,000 and is a long-term project outside of the period contemplated in the fiscal year 2019 ICIP. There is also a need to replace the deteriorated concrete bay floors at an estimated cost of \$30,000. Additionally, due to the station's proximity to the Bosque and the Rio Grande river, the department has identified a need to construct an additional bay attached to the west wall of the station to store the off-road ATV, rescue boat, and other equipment. The estimated cost for this facility addition is \$250,000 and is tentatively planned in FY2022.

4. Station 4 – 3309 19th Ave. SE (1968)
  - 2 bays, 2,000 sq. ft. for storage

This building is unmanned and used primarily for storage of reserve apparatus. This building is in an area that did not have city water and sewer service when built. The septic system is not functioning and there is no water servicing the building. There is now access to water and sewer service at the street, however there is no immediate plan to utilize the building beyond its current use as a storage facility; however, there may be uses for this facility in the future as the needs of the department grow, including replacing the building with a modular storage facility at an estimated cost of \$350,000.

5. Station 5 - 5301 Santa Fe Hills Dr. NE (1998)
- 4 bays, 2,500 sq. ft. interior storage for response vehicles
  - 2,500 sq. ft. living quarters
  - 2,000 sq. ft. community classroom and public restrooms

The existing layout of the facility is in need of revision. The station was originally configured for co-use by the Police and Fire Departments; however the Police Department has not utilized the space for over twenty years. The existing kitchen and dining area is small and cramped, and while there are separate bathroom/shower facilities, this is the last remaining fire station that does not provide separate sleeping areas for females and males. Pre-design analysis and a schematic drawing were completed in November 2016 at a cost of \$3,250. The cost estimate for remodel of this station is \$160,000. The concrete driveway has deteriorated significantly and is becoming a safety hazard. The estimated cost for replacement of the 45 x 145 foot concrete pad is \$80,000 and is planned in fiscal year 2019 utilizing state appropriations.

6. Station 6 - 3125 Mariposa Pkwy. NW (2007)
- 4 bays, 2,500 sq. ft. interior storage for response vehicles
  - 2,500 sq. ft. living quarters

Station 6 uses a standardized floor plan developed in 2006 for future stations and conditions are good. In 2012 there was a settling of the foundation that evolved into a crack in the middle of the floor. In 2013, the crack was filled, and the surrounding floor leveled and replaced as a permanent repair. Separations in several corners of the walls were also repaired, including tape, texture, and paint to eliminate the gaps in the wall. The entry to the station was not draining away from the entrance door and created flooding during rains. The concrete in this entry needed to be removed and re-poured to provide proper drainage. The cost for concrete walkway improvements was \$4,155 and was completed in April 2017.

Staffing at Station 6 was discontinued in 2016 due to low call volume in the northwest part of the city. Staffing resources were re-deployed to Station 1 to improve response service in the busiest district of the city. Calls for services are monitored on a monthly basis and the department along with City Administration will decide if, and when to staff the station based on call volume and distribution considerations. The station is currently being utilized to store apparatus and equipment, for training exercises, and to host the Community Emergency Response Team (CERT) program.

7. Station 7 – 681 Rockaway Blvd. NE (2011)
- 4-bays, 2,500 sq. ft. interior storage for response vehicles
  - 2,500 sq. ft. living quarters

Station 7 uses a standardized floor plan developed in 2006 for future stations and conditions are excellent. No major repair or improvements are anticipated in the next five years other than installation of keyless entry for the station.

#### *Fire Rescue Vehicle Fleet*

In general, the department's response apparatus experiences moderate to heavy use resulting from the current call volume, geographic distribution of calls, and call severity. In 2017, RRFRR responded to more than 10,500 calls for service including over 200 calls in neighboring mutual aid areas. Seventy-three percent (73%) of calls were located in the south district, south of Southern Boulevard, while the remainder was located in the north district, north of Northern Boulevard.

# Capital Improvement Plan

## Fire and Rescue



FY19

RRFR has identified an ideal target life for fire and EMS vehicles based on age and mileage criteria. Sport utility vehicles (SUVs), sedans, and vans used by command, administrative, and fire prevention staff should be replaced at 10 years or 100,000 miles. Light duty ambulances should be maintained in a front line status for 5 years or up to 80,000 miles. Light duty ambulance chassis can be placed in reserve status for an additional 5 years thereafter. Medium and heavy-duty fire apparatus can be in front line status for 10 years or up to 100,000 miles and can serve as a reserve unit thereafter for up to 15 years or 125,000 miles. Fire trucks should generally be replaced after 10 to 15 years in compliance with National Fire Protection Association standards.

The fiscal year 2019 ICIP includes a financing plan to replace seventeen apparatus units through fiscal year 2024 utilizing \$950,000 in public safety impact fees and \$6.4 million in general obligation bond proceeds. Replacement of one engine and one ladder truck occurred in July 2018 in advance of the 2018 the general obligation bond sale. Acquisition of a fire tender and ambulance will occur after the bond sale, for a total of four replacements in FY2019.

The tables below present basic fleet statistics for ambulances and fire engines. Four frontline ambulance units meet the ideal target age and mileage criteria and are shaded in green, while only one reserve apparatus is within the target criteria of under 10 years old and under 120,000 miles. Two frontline ambulance units (R-3 and R-20) are flagged red for placement in reserve status and/or immediate replacement, along with one already in reserve status whose mileage exceeds 120,000 miles and is currently out of service. Three frontline fire engines/trucks meet the ideal target age and mileage criteria and are shaded in green. Three frontline fire engines/trucks do not meet the mileage criterion or the age criterion and are shaded in red.

### Ambulances

\*Excludes Ambulance Units used for wildlife deployment and extended operations. Total Ambulances: 10

<u>Frontline</u>	1-79,999	80,000-120,000	>120,000	<b>Total</b>
1-5 years	4	1	0	<b>5</b>
> 5 years	0	1	1	<b>2</b>
<b>Total Frontline</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>7</b>
<b>Reserve</b>				
1-10 years	0	1	0	<b>1</b>
> 10 years	0	1	1	<b>2</b>
<b>Total Reserve</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>3</b>
<b>Total Ambulances</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>10</b>

# Capital Improvement Plan

## Fire and Rescue



FY19

### Fire Engines/Trucks

\*Total Fire Engines/Trucks: 10

<u>Frontline</u>	1-99,999	100,000-125,000	>125,000	<b>Total</b>
1-10 years	3	0	0	3
> 10 years	0	2	1	3
<b>Total Frontline</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>6</b>
<b>Reserve</b>				
1-10 years	0	0	0	0
> 10 years	2	1	1	4
<b>Total Reserve</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>4</b>
<b>Total Fire Engines/Trucks</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>10</b>

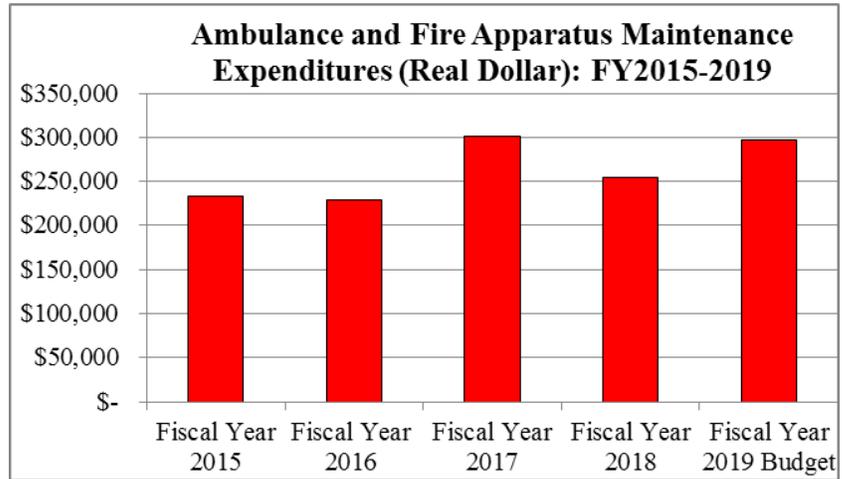
### *Fire and Rescue Equipment*

In addition to fire and emergency response vehicles, major equipment items represent a significant asset class critical for RRRFR operations. Gurneys (\$15,500/each) are used to load and unload patients safely and efficiently into and from ambulances and have a useful life of seven years. There is no recertification process to allow them to remain in service for longer than this period and the department plans to replace at least one per year concurrent with ambulance replacements. Cardiac monitor and defibrillator units (\$30,000/each) are used to provide advanced life support to patients in the field and are used for ten years with regular software updates and maintenance programs attached to them while they are in service. Cardiac monitors will also be replaced at a minimum rate of one per year concurrent with ambulance replacements. Self-Contained Breathing Apparatus (SCBAs-\$6,000/each) provide clean air to fire fighters during fire and/or hazardous materials incidents. The equipment bundle is comprised of three pieces: an air bottle containing breathing air; the face piece to protect the fire fighter’s face and used to connect to the air bottle via the SCBA pack; and the SCBA pack holding the air bottle and carried on the firefighter’s back. The SCBA pack connects the high-pressure air to the face piece and provides air alarm, pressure, and air management information to the fire fighter. The air bottles require replacement after twelve years of service, while the SCBA pack needs to be updated with code modifications every four years and replaced entirely after three code updates at twelve-year intervals. The department plans to have all sixty SCBA units replaced by FY2021 at the latest. Bunker gear (\$2,500/set) is the personal protection worn by fire fighters for entry into fire incidents and other hazardous conditions. The protective clothing may be used for a period of five years and currently there is a rotation requiring the purchase of twenty sets per year. A detailed replacement schedule and financing plan has been developed by RRRFR in cooperation with the Financial Services Department and includes replacement of a substantial portion of the Fire and Rescue equipment inventory through fiscal year 2024 utilizing state grants, general fund sources, and general obligation bond proceeds.

### **Repair and Maintenance Programs/Activities**

Expenditures for ambulance and fire apparatus maintenance have averaged \$261,526 (real dollars) over the last three fiscal years and are projected to be \$296,982 in fiscal year 2019. High maintenance cost due to an aged fleet was first identified in the Fire Chief’s 2012 Annual Report as a major challenge facing the department, and continues to be a focal point of capital planning efforts. In fiscal years 2016 and 2017, four front line ambulances and a command vehicle were purchased to replace aged vehicles. More recently a fire engine and ladder truck were

replaced in July 2018 and a new command vehicle is on order to be delivered in summer 2018. Beginning with the 2018 bond cycle, the city expects to replace an additional fifteen apparatus through fiscal year 2024. Replacement of these apparatus units are expected to significantly lower annual fleet maintenance costs in the coming five-year period.



**Infrastructure and Capital Improvement Plan Development**

RRFR updates its capital improvement plan concurrent with the annual budget process. Various source documents guide development of the ICIP including the Chief’s Annual Report, annual department needs assessments, and the city’s Strategic Plan. The Strategic Plan goal for Safety is to ensure that public safety service levels are maintained and that safety awareness is fostered. Strategic Plan objectives related to capital planning for the RRFR include establishing a recurring bond cycle to invest in public safety equipment, vehicles, and facility needs. The March 2018 municipal election included a bond question for public safety equipment and vehicles to include fire apparatus and fire and rescue equipment replacement for which the voters authorized issuance of \$4.1 million in general obligation bonds. Approximately \$1.85 million has been programmed, along with impact fee revenue to replace four apparatus in FY2019.

**Developer Contributions**

The city’s updated Impact Fee Plan and Ordinance (O-9, Enactment 17-12) adopted in 2017 establishes new development fees effective July 1, 2018:

- Single Family Residential: \$358
- Multi-Family Residential: \$255
- Commercial: \$220/1,000 square foot
- Office/Institutional: \$670/1,000 square foot
- Industrial: \$20/1,000 square foot

These fees have been discounted from the Impact Fee Study’s recommended unit costs. The recommended unit costs represent the current level of service experienced by existing development that new development would be asked to buy into under the study’s methodology. The impact fee amounts were adjusted from the Impact Fee Study recommendations based on:

- Heavily weighting market competitiveness with Albuquerque
- Heavily weighting need to attract commercial/retail to the community to grow gross receipts tax based
- Maintaining the integrity of existing held credits
- Capital project needs of the city
- Best available data
- Providing predictability to developers
- Phase in changes to impact fees amounts over time

# Capital Improvement Plan

## Fire and Rescue

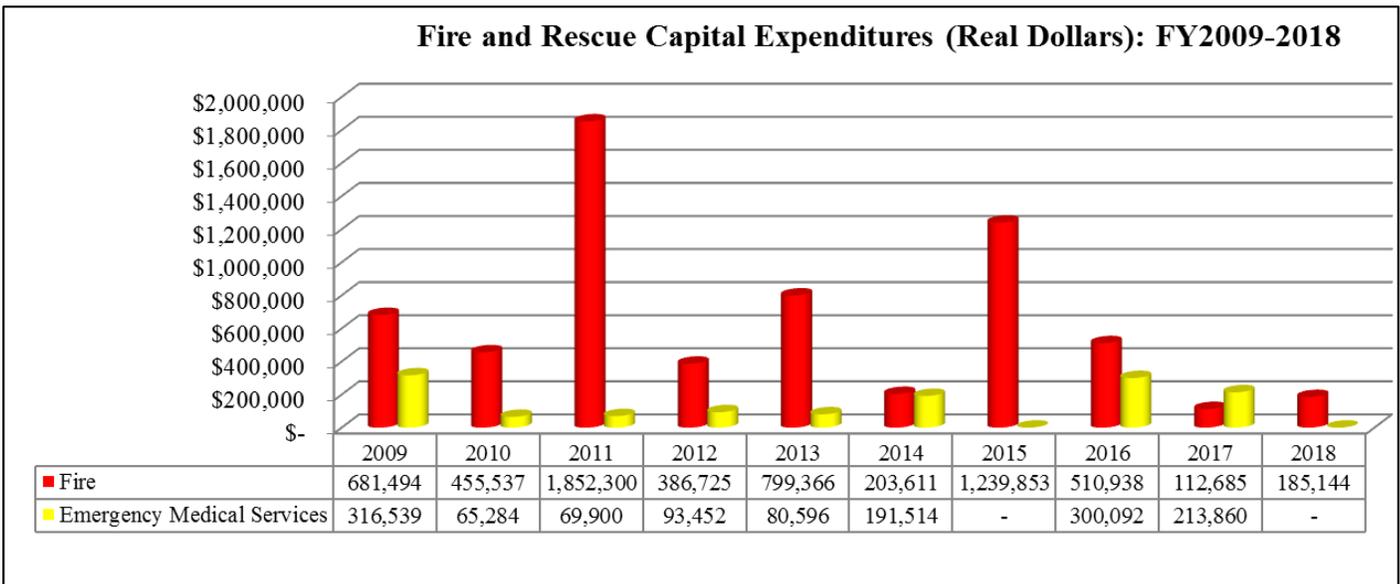


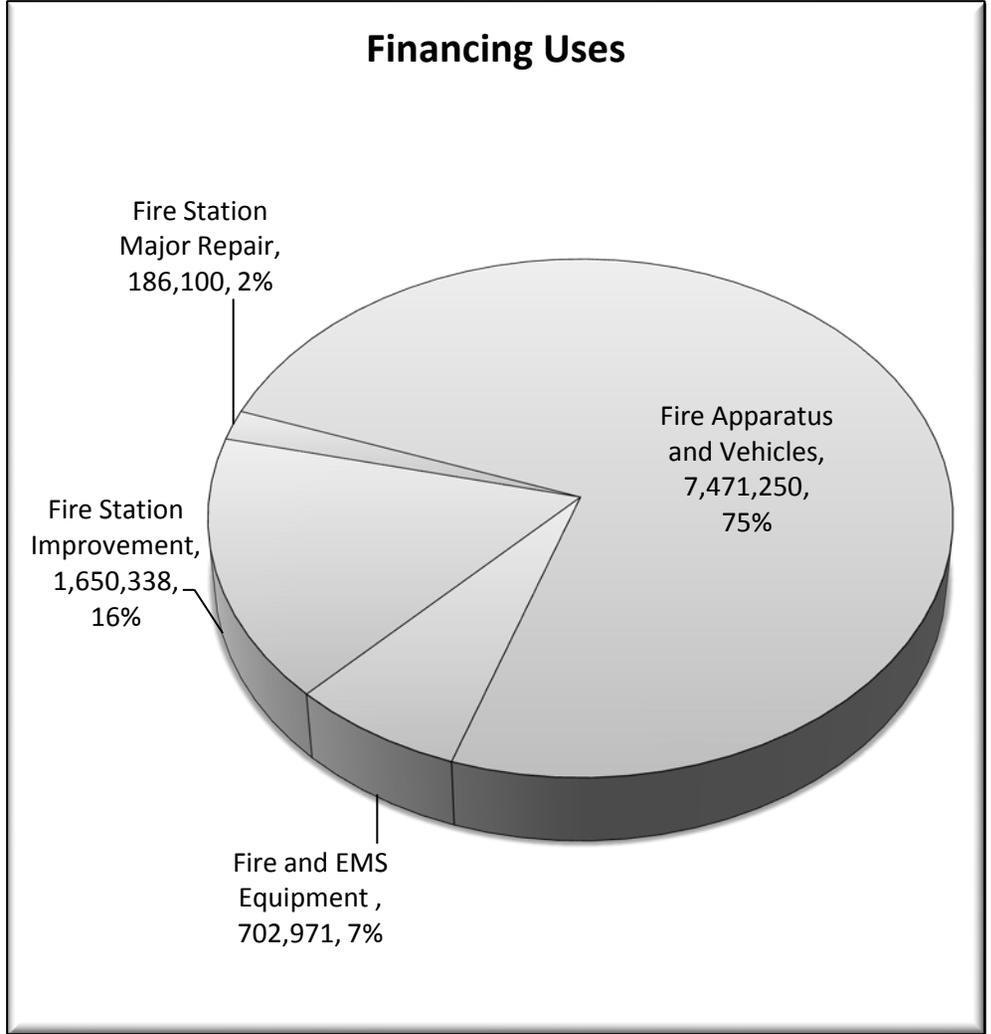
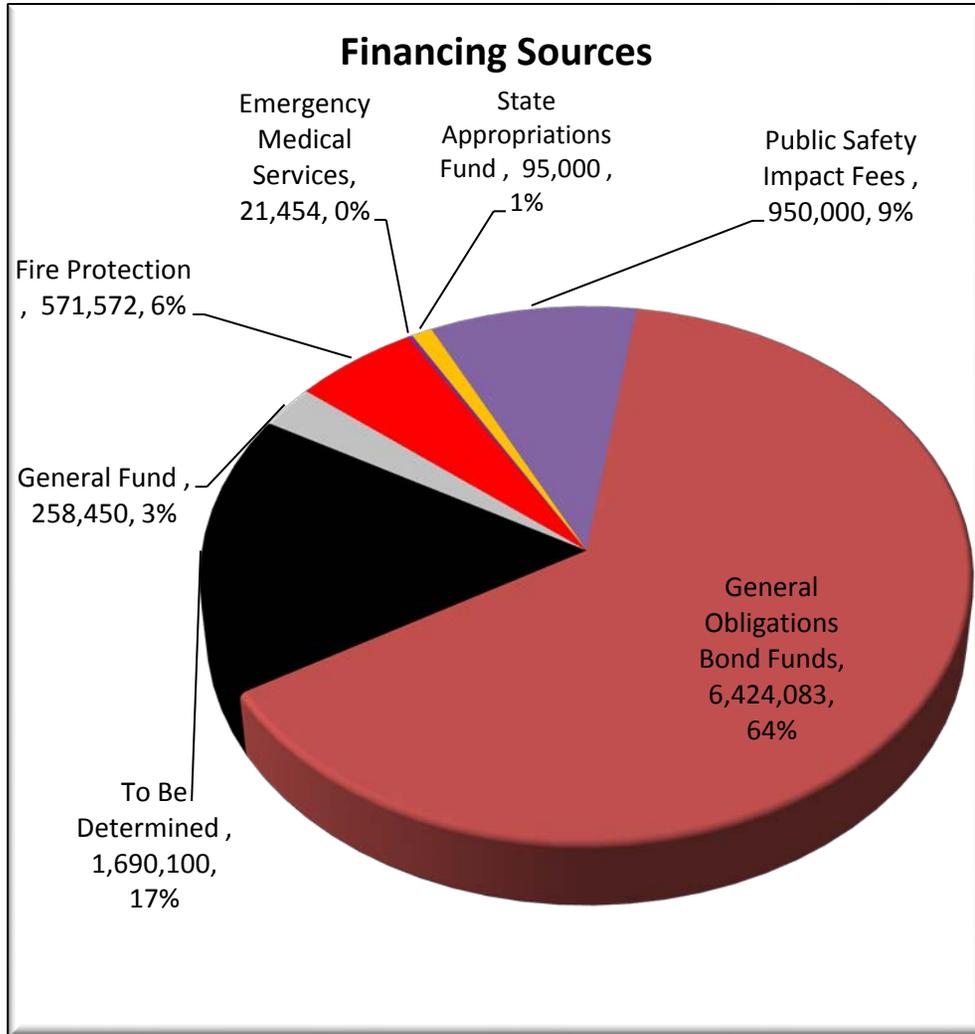
FY19

Generally, the city has elected to collect impact fees and construct its own public safety facilities, and therefore has minimal impact fee credits outstanding. Impact fee revenue is split among the Police and Fire and Rescue functions according to the Public Safety Vehicle Financing Plan (ICIP Exhibit 1) to finance public safety equipment costing \$10,000 or more and having a useful life exceeding ten (10) years. The Impact Fee Capital Improvement Plan (IFCIP) for public safety impact fees is included in the ICIP as a component plan.

### Funding Sources

Fire and Rescue capital projects and equipment acquisitions during the last five years have been funded through a combination of cash and debt financing drawing primarily from state fire protection grant funds, state capital appropriations, general fund sources, and public safety impact fees. Expenditures for Fire and Rescue capital projects and equipment exceeded \$1.2 million in FY2015 due to major renovations at Station 1 and acquisition of a replacement fire engine. A substantial investment was made the following year in three ambulance replacements and installation of diesel exhaust filters on all apparatus. Federal and state grants have accounted for more than half of funding for the capital program during the last five years, while general fund sources and impact fees have contributed twenty six percent (26%) and thirteen percent (13%), respectively. Aggressive replacement of fire apparatus is expected to constitute the core of the RRRFR capital program over the next five years due to a recurring general obligation bond cycle for public safety equipment and vehicle needs.

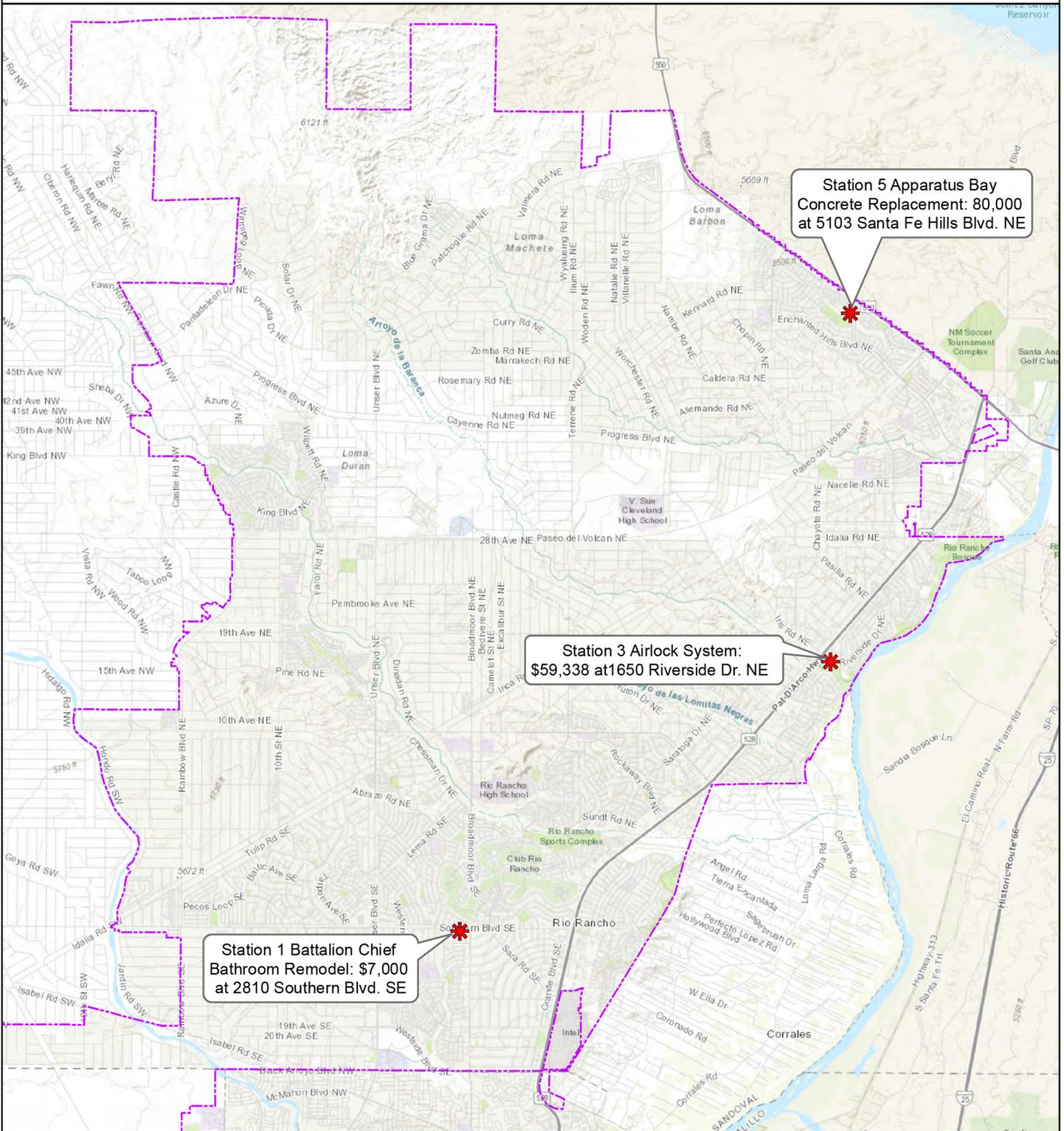




**GRAND TOTAL:**

**10,010,659**

# FY2019 ICIP: FIRE AND RESCUE



Map Created by John Martineau 4-6-18



**\*** Project Location

**---** City Boundary

DISCLAIMER: All information in this map is provided "as is" without warranty or any representation of accuracy, timeliness, or completeness. This map is not a survey and should be used for graphical purposes only.



**FY2019 ICIP: Fire and Rescue**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>1</b>	<b>Fire Apparatus Replacement</b>	<b>1,357,111</b>	<b>1,805,750</b>	<b>150,000</b>	<b>1,955,750</b>	<b>200,000</b>	<b>2,275,107</b>	<b>200,000</b>	<b>2,346,180</b>	<b>200,000</b>	<b>7,177,037</b>
	Fire Fund (Fund 250)	2,622			-						-
	Emergency Medical Services Fund (Fund 251)	75,000			-						-
	Equipment Replacement Fund (Fund 312)	138,401			-						-
	State Appropriations Fund (Fund 315)	263,000			-						-
	Public Safety Impact Fees (Fund 354)	403,088		150,000	150,000	200,000	-	200,000	200,000	200,000	950,000
	GRT Public Safety Loan (Fund 428)	475,000			-						-
	General Obligations Bond Funds		1,805,750		1,805,750		2,275,107		2,146,180		6,227,037
	<b>Total</b>	<b>1,357,111</b>	<b>1,805,750</b>	<b>150,000</b>	<b>1,955,750</b>	<b>200,000</b>	<b>2,275,107</b>	<b>200,000</b>	<b>2,346,180</b>	<b>200,000</b>	<b>7,177,037</b>
<b>2</b>	<b>Fire and EMS Equipment</b>	<b>238,441</b>	<b>113,044</b>	<b>170,143</b>	<b>283,187</b>	<b>70,500</b>	<b>176,546</b>	<b>70,500</b>	<b>45,500</b>	<b>56,738</b>	<b>702,971</b>
	Self Containing Breathing Apparatus	97,356		134,927	134,927		151,546				286,473
	Extrication Equipment		67,544	25,000	92,544	25,000	25,000	25,000			167,544
	VSCAN Extend Dual Probe Ultrasound			10,216	10,216					11,238	21,454
	Cardiac Monitors/Defibrillators	86,479	30,000		30,000	30,000		30,000	30,000	30,000	150,000
	Electric Gurney	54,606	15,500		15,500	15,500		15,500	15,500	15,500	77,500
	<b>Total</b>	<b>238,441</b>	<b>113,044</b>	<b>170,143</b>	<b>283,187</b>	<b>70,500</b>	<b>176,546</b>	<b>70,500</b>	<b>45,500</b>	<b>56,738</b>	<b>702,971</b>
	General Fund (101-6530-423-7025)	106,407		32,112	32,112	45,500		45,500	45,500	45,500	214,112
	Fire Protection (250-0000-422-7025)	65,247	67,544	127,815	195,359	25,000	25,000	25,000			270,359
	Emergency Medical Fund (251-0000-423-7025)	12,614		10,216	10,216					11,238	21,454
	State Capital Appropriations (315-0000-416-7015)	40,173			-						-
	Public Safety Impact Fees (Fund 354)	14,000			-						-
	General Obligations Bond Funds		45,500		45,500		151,546				197,046
	<b>Total</b>	<b>238,441</b>	<b>113,044</b>	<b>170,143</b>	<b>283,187</b>	<b>70,500</b>	<b>176,546</b>	<b>70,500</b>	<b>45,500</b>	<b>56,738</b>	<b>702,971</b>



**FY2019 ICIP: Fire and Rescue**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>3</b>	<b>Station 1 Remodel/Renovations</b>	<b>545,069</b>		<b>7,000</b>	<b>7,000</b>	<b>824,000</b>					<b>831,000</b>
	Fire Protection (250-0000-422-7011)	19,815		7,000	7,000						7,000
	Cell Tower Revenue (313-0000-416-7010)	9,681			-						-
	State Capital Appropriations (315-0000-416-7015)	514,798			-						-
	Public Safety Impact Fees (Fund 354)	774			-						-
	To Be Determined			-	-	824,000					824,000
	<b>Total</b>	<b>545,069</b>	<b>-</b>	<b>7,000</b>	<b>7,000</b>	<b>824,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>831,000</b>
<b>4</b>	<b>Fire Stations</b>	<b>21,140</b>	<b>95,000</b>	<b>44,338</b>	<b>139,338</b>	<b>231,100</b>	<b>35,000</b>	<b>250,000</b>	<b>350,000</b>	<b>-</b>	<b>1,005,438</b>
	Fire Stations Renovations	14,195	15,000	44,338	59,338	160,000		250,000	350,000		819,338
	Fire Stations Major Repair	6,945	80,000		80,000	71,100	35,000				186,100
	<b>Total</b>	<b>21,140</b>	<b>95,000</b>	<b>44,338</b>	<b>139,338</b>	<b>231,100</b>	<b>35,000</b>	<b>250,000</b>	<b>350,000</b>	<b>-</b>	<b>1,005,438</b>
	Fire Protection (250-0000-422-7010)	21,140			-						-
	General Fund Transfer (Fund 313)			44,338	44,338						44,338
	State Capital Outlay Appropriation (Fund 315)		95,000		95,000						95,000
	To Be Determined				-	231,100	35,000	250,000	350,000		866,100
	<b>Total</b>	<b>21,140</b>	<b>95,000</b>	<b>44,338</b>	<b>139,338</b>	<b>231,100</b>	<b>35,000</b>	<b>250,000</b>	<b>350,000</b>	<b>-</b>	<b>1,005,438</b>
<b>5</b>	<b>Fire Command Vehicles</b>	<b>191,516</b>	<b>35,213</b>	<b>74,000</b>	<b>109,213</b>	<b>37,000</b>	<b>37,000</b>	<b>37,000</b>	<b>37,000</b>	<b>37,000</b>	<b>294,213</b>
	Fire Command Vehicles	158,949	27,945	55,500	83,445	27,750	27,750	27,750	27,750	27,750	222,195
	Fire Command Vehicles Equipping	32,567	7,268	18,500	25,768	9,250	9,250	9,250	9,250	9,250	72,018
	<b>Total</b>	<b>191,516</b>	<b>35,213</b>	<b>74,000</b>	<b>109,213</b>	<b>37,000</b>	<b>37,000</b>	<b>37,000</b>	<b>37,000</b>	<b>37,000</b>	<b>294,213</b>
	Fire Protection (250-0000-422-7015)	191,516	35,213	74,000	109,213	37,000	37,000	37,000	37,000	37,000	294,213



**FY2019 ICIP: Fire and Rescue**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
	<b>GRAND TOTAL</b>	<b>2,353,276</b>	<b>2,049,007</b>	<b>445,481</b>	<b>2,494,488</b>	<b>1,362,600</b>	<b>2,523,653</b>	<b>557,500</b>	<b>2,778,680</b>	<b>293,738</b>	<b>10,010,659</b>
	General Fund	244,808	-	76,450	76,450	45,500	-	45,500	45,500	45,500	258,450
	Fire Protection	300,340	102,757	208,815	311,572	62,000	62,000	62,000	37,000	37,000	571,572
	Emergency Medical Services	87,614	-	10,216	10,216	-	-	-	-	11,238	21,454
	Cell Tower Revenue/Building Fund	9,681	-	-	-	-	-	-	-	-	-
	State Appropriations Fund	817,971	95,000	-	95,000	-	-	-	-	-	95,000
	Public Safety Impact Fees	417,862	-	150,000	150,000	200,000	-	200,000	200,000	200,000	950,000
	GRT Public Safety Loan	475,000	-	-	-	-	-	-	-	-	-
	General Obligations Bond Funds	-	1,851,250	-	1,851,250	-	2,426,653	-	2,146,180	-	6,424,083
	To Be Determined	-	-	-	-	1,055,100	35,000	250,000	350,000	-	1,690,100

<b>FIRE AND RESCUE</b>			
<b>PROJECTS UNDER CONSIDERATION</b>			
<b>Rank</b>	<b>Project Name</b>	<b>Fiscal Year(s)</b>	<b>Project Estimate</b>
6	Future Fire and Rescue Stations <sup>1</sup>	2023-2024	\$ 4,000,000
7	New Fire Apparatus	2024	\$ 1,450,000
	<b>TOTAL</b>		<b>\$ 5,450,000</b>
	1. In priority order: Cleveland High School Area (FY2023); Southern Blvd. and Rainbow Blvd. Area (FY2024)		

**Fire and Rescue Equipment**

The fiscal year 2018 budget included \$217,070 for several critical pieces of fire and emergency medical response equipment including: two (2) cardiac monitors/defibrillators, approximately eighteen (18) Self Contained Breathing Apparatus units, and three (3) sets of extrication equipment replacements. Funding consisted of state capital outlay appropriations in the amount of \$40,173, fire protection grant funds in the amount of \$132,791,



and General Fund sources in the amount of \$41,106. These equipment expenditures are part of a multi year plan to replace over \$700,000 of major equipment items through fiscal year 2024.



**Command Vehicles**

The Rio Rancho Fire and Rescue Department (RRFD) plans to acquire three (3) replacement command/emergency response vehicles in fiscal years 2018 and 2019 as part of a multi year plan to replace an aged fleet. Funding consists of fire protection grant monies in the amount of \$485,729, including five (5) replacement acquisitions dating back to FY2015.



**Existing Inventory**

- The Parks, Recreation and Community Services (PRCS) Department operates and maintains:
- 1 Senior Center (*Meadowlark Senior Center, 13,995 sq. ft.*)
- 4 Recreation Centers (*Haynes, 4,454 sq. ft.; Sabana Grande, 5,700 sq. ft. and 1,600 sq. ft.; Star Heights, 6,252 sq. ft.; and Cabezon, 3,915 sq. ft.*)
- 3 Outdoor Pools and Bath Houses (*Haynes, Rainbow, and Cabezon*)
- 1 Aquatic Center, including 3 separate pools
- 40 Parks and 2 Sports Complexes (287 developed acres)
- 8 Open Space Areas (42 acres)
  - Clayton Meadows Open Space and Trails
  - Mountain View Open Space and Trails
  - Rainbow Park Open Space
  - Cherry Open Space
  - Canyon Open Space
  - Rockaway Heights Open Space
  - Bosque Access Points
- The Rio Rancho Bosque (178 acres), and;
- Over 25 miles of neighborhood and open space trails

**Current Capacity and Condition of Assets and Infrastructure**

*Senior, Recreation and Pool Facilities*

The Meadowlark Senior Center, constructed in 1985, has undergone several renovations and has been expanded on two occasions in an attempt to provide adequate space for services and activities to meet the increasing demands of the senior citizen population. In fiscal year 2018, the MSC provided 303,900 units of service, including daily attendance at the senior center, information services, transportation services, and meals. Since opening, the center has received more than \$4.1 million in building expansion and improvement funds through state appropriations, helping to keep the center a community focal point for older adults in Rio Rancho. In fiscal year 2015, PRCS completed Phase I of the senior center’s parking lot renovation from street curb to the building such that the facility now meets the American’s with Disabilities Act (ADA) requirements. In 2016, the city received state grant funds in the amount of \$383,833 for Phase II of the parking lot renovation, which will include an electronic marquee, signalized pedestrian parking lot crossings, and permanent storage buildings to be constructed in fiscal year 2019. The city has also received appropriations in the approximate amount of \$270,000 for renovations, code improvements, equipment and furnishings, and meals equipment at the Meadowlark Senior Center to be completed over the next couple of years. The Division of Senior Services will continue to seek funding through the Aging and Long Term Services Department for this facility, as well as a second senior center, which has been designed to 70 percent construction drawings. Final design can be completed once a site is secured and staff has identified land available through a partnership with the Sandoval County Regional Medical Center and the University of New Mexico.

Sabana Grande and Haynes Recreation Centers were acquired from developers and were not designed as recreation centers. Both are deficient in space for programming and require major on-going repairs and renovations. At some point in the future both structures will need to be replaced by modern facilities designed to the specific programmatic needs of the community. In fiscal year 2013, the Haynes Outdoor Pool was re-plastered and a similar project was completed at Rainbow Outdoor Pool in fiscal year 2018. PRCS evaluates the condition of these facilities on an on-going basis and has identified major repair and improvement projects at each location including a major renovation at Sabana Grande in fiscal year 2024. In the near term, CDBG and city capital funds will be used

to improve exterior accessible entry areas at Sabana Grande Recreation Center and Haynes recreation centers in fiscal year 2019.

The Star Heights Recreation Center is in reasonably good condition and will undergo a major renovation in fiscal year 2019 to ensure ADA compliance, modernization, and general up-keep of the facility.

The Cabezon Recreation Center and Rio Rancho Aquatic Center were newly constructed in 2008 and are structurally in good condition. In fiscal year 2012, the Aquatic Center had significant heating and ventilation system repairs and replacements and the department continues to monitor and resolve system inefficiencies at the center. In fiscal year 2015, the department renovated the flooring of the Aquatic Center locker rooms, and did the same the following year at the Haynes and Rainbow bathhouses. In fiscal year 2018, 6,120 square feet of flooring in the Senior Center multipurpose areas was replaced to improve patron safety and satisfaction.

*Parks, Open Space and Trails*

Park land assets of 287 acres of developed parkland do not meet the city’s minimum goal of 4 acres per thousand residents as recommended in the city’s Comprehensive Plan (current metric is 3 acres per thousand). The 220 acres of recreational open space do not meet the minimum target of 3 acres per thousand residents (current metric is 2.3 acres per thousand). In terms of walkability (10 to 15 minute walk from residences), older and established areas, master planned communities, and neighborhoods along state highway corridors are better served than other parts of the city. Under the current development code developers must dedicate acreage for parks and recreational use and many are planning and building turn-key parks to attract homebuyers or as part of mixed use developments. If current development trends continue, newly developed residential areas will be served by neighborhood parks while park and trail amenities will increasingly become an important quality of life factor for commercial development. Nonetheless, additional facilities are needed to meet the current recreational needs of the community, and the number of facilities, service locations, and features of each are identified in the 2005 Parks and Recreation Master Plan.

More than forty percent (40%) of the city’s parks are 20 years old or older. Wear and tear, vandalism, and changing standards and obsolescence have underscored the need for long-range planning to make necessary repairs or completely replace the playgrounds, shade structures, irrigation systems, field lighting, outfields, and other amenities located in these parks and sports complexes. The department has evaluated the condition of all park amenities and has developed a plan for addressing needed park equipment replacement. Parking lot, playground, field, and other facility improvements are included as distinct projects in the fiscal year 2019 ICIP. Recent improvement projects at city parks have included resurfacing the Star Heights Park parking lot in fiscal year 2017; replacement of obsolete playground equipment and installation of accessible surfacing in the Rainbow Park large play area in fiscal year 2018; and resurfacing the two parking lot areas at Rainbow park in fiscal years 2018 and 2019.

PRCS currently maintains approximately 25 miles of recreational paths and trails both constructed of asphalt and natural surfacing. The 2011 Bicycle and Pedestrian Transportation Master Plan (BPMP) identified the opportunity to construct an additional 50 miles of trails at a cost of approximately \$14 million. Inflated to today’s dollars, that estimate would be more than \$15.5 million. The city does not have plans to significantly expand the recreational path and trail infrastructure outside of what would be built out by private development activity. Annual repair and maintenance cost of trails is estimated to be between \$4,000 to \$8,000 per mile depending on the type of trail and includes repair of cracks resulting from the deterioration of asphalt trail surfacing. More than half of existing asphalt paths both in and out of the right-of-way have cracks and deteriorating asphalt that will need to be programmed for future repairs and/or replacement to ensure user safety and compliance with the American with Disabilities Act (ADA).

**Indicators**

Indicator	Fiscal Year				
	2014	2015	2016	2017	2018
Senior Center sq. ft./1,000 Residents	152	151	148	146	146
Recreation Centers sq. ft./1,000 Residents	239	236	232	228	228
Pools sq. ft. surface area/1,000 Residents	294	294	282	269	269
Developed Park Acres/1,000 Residents	3	3	3	3	3
New Developed Park Acres/Year	0	0	5.76	0	1.47
Operation Costs/Acre	\$8,047	\$8,101	\$7,571	\$6,921	\$7,070

*Current Capacity and Condition Summary*

Both the Senior Center and Parks and Recreation Master Plans recommend that additional parks and recreational facilities be built to reach the target level of service for the residents of Rio Rancho as the city grows and develops. An increase in all of the square foot area measurements per thousand residents would indicate progress in implementing these master plans. The existing Senior Center, recreation centers, pools, parks and open space facilities are at or exceed capacity for target uses, have aged significantly, or are not sufficiently designed to meet the needs of residents. The plans have identified the number, general service areas, uses and amenities in new facilities to be constructed to meet the public need and the ICIP incorporates some of these recommendations. The Parks ICIP consists of replacement and renovation projects to maintain the existing park and facility stock, and contains two new park projects (Campus Park and Sports Complex North) and a second senior center. While the Campus Park is tentatively funded, full built out of the Sports Complex North and the second senior center are considered deferred due to lack of funding. Design, identification of land and site planning, and limited construction will continue in the near term however completion of the projects will occur when the level of community growth and funding availability is sufficient.

**Repair and Maintenance Programs/Activities**

The department performs daily and regular maintenance of buildings, pools, and parks through the city’s General Fund and two special funds. In addition to 287 acres of developed park land at 40 park locations and 2 sports complexes, 25 miles of trails, and 220 acres of public open space, park maintenance crews also care for the landscaping at the city’s swimming pools, Senior Center, City Hall, the Police Headquarters (Quantum Building), six fire stations, and two libraries. A particular area of operational concern is identifying recurring funding to replace an aging fleet of maintenance vehicles and equipment. Repair costs and downtime impact staff’s ability to perform maintenance duties effectively and maintenance is often more costly when postponed. The city has made some headway in this area in recent years with the following list of vehicle and equipment acquisitions.

- FY2016: two front deck mowers
- FY2017: one utility tractor with loader, deep tine aerator, two front deck mowers, a sprayer with a trailer, and walk behind
- FY2018: one traditional utility vehicle, a tractor with backhoe and loader attachment, and a hydro bunker rake
- FY2019 Budget: two replacement crew trucks, compact utility tractor with 72” mid deck mower, utility vehicle with sprayer, equipment trailer, compact utility tractor with loader attachment, hydro rack, and 72” deck mower

PRCS has recommended one-time capital investments that resulted in a reduction of recurring operating expenses, including various energy efficiency projects funded with federal grants in fiscal years 2010 and 2011. Staff evaluates potential water conservation projects on an ongoing basis to identify and remove high water use, non-functional turf. One such project completed in fiscal year 2016 was the Cabezon Park Pond Safety Fencing and Slope Stabilization project funded by a combination of general fund sources, cell tower revenue, and recreation fee revenue. Additional efforts to reduce repair and maintenance costs have sought to leverage community and internal resources such as the Arborist Certification training program for park maintenance supervisors and the creation of the Tree Stewards Program where trained volunteers provide tree maintenance in many of our city parks. In 2010, PRCS began a concerted effort to utilize court appointed community service workers to assist park maintenance crews with weed and litter removal and other daily duties. Since fiscal year 2010, PRCS has increased the use of community service workers from 2,459 hours valued at \$42,885 to 3,045 hours valued at \$75,193 in fiscal year 2018.

### **PRCS Infrastructure and Capital Improvement Plan Development**

PRCS updates its capital improvement plan concurrent with the annual budget process by which current year capital appropriations are requested to address priority infrastructure rehabilitation and/or growth needs. Various departmental plans guide development of the ICIP, including those detailed below. Additionally, asset replacement needs, such as equipment and renovations are also included in the department's ICIP.

#### *Parks and Recreation Master Plan*

The city's 2005 Parks and Recreation Master Plan indicates the need for land acquisition for and construction of 2 new recreation centers, an indoor aquatic center, an additional sports complex, and 2 multi-use community parks. The Master Plan also calls for land acquisition and development of an open space system with trails and development and improvement of park land in older parts of the city. The plan identifies a goal of providing 7 acres of developed parkland per thousand residents and the need to acquire and develop another 195 acres of parkland to meet that goal.

Since adoption of the 2005 Plan PRCS has constructed the Rio Rancho Aquatic Center; constructed phase 1 of the Sports Complex North; constructed Loma Colorado Park; and accepted several developer-built parks including Cabezon, Chianti, and High Range parks, and the Rio Rancho Sports Complex West Tennis Complex (multi-use community parks). In fiscal year 2014, PRCS completed improvements to the Sports Complex Dog Park by constructing a small dog area, shade structures and installing benches. In fiscal year 2016, the department completed construction of a new park facility at A Park Above and utilized state grant funds to install new stadium lighting, scoreboards, and shade over the bleachers at Sports Complex North. In fiscal year 2017, the city received a state capital outlay appropriation in the amount of \$40,000 to extend the infields of both ball fields at Sports Complex North, which was completed in calendar year 2016. An additional \$50,000 state appropriation was received for continued design at Sports Complex North. In fiscal year 2018, the Rio Rancho Sports Complex was also improved with the purchase and installation of shade structures over four bleachers funded by a state appropriation and recreation fees in the amount of \$47,429.

PRCS has also partnered with the Interstate Stream Commission (ISC) to implement a federally funded project that creates and restores slow water channels along the Rio Rancho stretch of the Rio Grande, and completed phase 2 of the original project in March 2016. PRCS worked with the ISC to generate a "Bosque Management Plan" (June 2015) that will guide future protection of habitat while also addressing maintenance and possible development of the Rio Rancho Bosque.

*Senior Center Comprehensive Plan*

The 2002 Senior Center Comprehensive Plan recommends constructing a second senior center and making modernization improvements to the Meadowlark Senior Center (MSC) to meet the needs of a growing, active senior population. The plan identified the need for over \$893,900 in improvements to Meadowlark by 2012, and to acquire land and construct 3 new senior centers (including Division administrative space) with concurrent construction of three 3 senior adult day care centers by 2023. In fiscal year 2014, 70 percent construction plans for a new senior center were completed utilizing state grant funding, however sufficient construction funds and a recurring operating budget are lacking for such a facility at this time. Most recently, the 2016 Legislature appropriated \$3.4 million for the project and staff has identified land available through a partnership with the Sandoval County Regional Medical Center and the University of New Mexico.

Since adoption of the 2002 plan, significant improvements have been made to the Meadowlark Senior Center including: a building sprinkler system, a security/fire system, electrical upgrades, new roofing, an electrical partition with emergency exit door, numerous kitchen improvements, including a walk-in refrigerator and freezer, restroom renovations, an HVAC system, carpet and window replacements, and floor resurfacing, Phase I of the parking lot renovation and kitchen renovations and improvements.

Projects included and funded in the fiscal year 2019 ICIP and Budget to maintain and improve the existing center consists of the following:

- Renovation/Code Compliance           \$131,339
- Outside Wall Renovation               \$65,400
- Meals Equipment                         \$52,150
- MSC Parking Lot Renovations         \$383,832
- ADA Access and Safety                 \$25,365
  
- LED Lighting Improvements         \$68,361
- 15 Passenger Van                         \$43,615
- Screen/Projector System               \$14,008
- East Entry Improvements               \$95,000
- North Entry Improvements             \$65,000
- Sidewalk Canopy (Northside)         \$90,000

*Bicycle and Pedestrian Transportation Master Plan (BPMP)*

The 2011 BPMP identified the need to create new, and maintain or improve existing trail infrastructure. The existing paved and natural trail inventory does not meet the non-vehicular transportation needs of the community. An additional 50 miles of trails are needed, many in strategic locations to make links or complete routes for pedestrians and bicyclists making their way throughout the city. Existing trails are also in need of user-friendly improvements, including but not limited to benches, shade structures, bike racks, trash cans, and safety lighting, all intended to keep users safe and provide a realistic, accessible alternative to vehicle travel. The FY2017 Budget allocated \$150,000 toward constructing/improving over two miles of trail in the Rio Rancho Bosque. Equestrian trail improvements have been made and design and additional construction work will continue into fiscal year 2019.

*ADA Transition Plan*

During spring 2014, PRCS staff and Recreation Accessibility Consultants, Inc. conducted a thorough accessibility/compliance audit of all of its facilities relative to the 2010 ADA Guidelines. PRCS will use the resulting ADA Transition Plan document to prioritize renovation projects at all of its facilities. In fiscal year 2014, PRCS installed concrete ramps at multiple park playgrounds and renovated Star Heights playground, including new

equipment, surfacing improvements, and installation of accessibility features. In fiscal year 2016, the department replaced damaged concrete in the outdoor activity area at the Sabana Grande Recreation Center and installed two shade structures, bringing the area into ADA compliance. In fiscal year 2017, PRCS completed sidewalk re-surfacing projects at parks throughout the city including Sandia Vista, Haynes and Rainbow Parks. In fiscal year 2018, PRCS replaced playground equipment and surfacing and constructed pedestrian routes at Rainbow Park. Concrete repairs were also completed at the Water Wise Garden located at Veteran’s Memorial Park.

**Developer Contributions**

The city’s Subdivision Ordinance requires developers to make a dedication of 3 acres of land per thousand residents in a new subdivision for developments sized 25 acres or larger (assuming 2.83 residents per home). For subdivisions containing 25 acres or less, in lieu of the land required to be dedicated, the city may accept payment of a fee based upon the fair market value of the amount of land which would otherwise be required to be dedicated. Developers are also assessed impact fees or provide physical improvements in lieu of impact fees agreed to via development agreements. The values of improvements are \$815 for parks and \$35 for bikeways and trails per single family development unit and are for system level park and trail infrastructure. There are a significant number of park and trail impact fee credits outstanding and the city currently accepts credits for seventeen-five percent (75%) of park assessments and seventy percent (70%) of bikeway assessments generated by annual development activity. Twenty-five percent (25%) of park assessments generated by annual development activity are collected as revenue, while thirty percent (30%) of bikeway assessments generated by annual development activity are collected as revenue.

Developer contributions and dedications between fiscal years 2007 and 2018 total 56 acres:

- Northern Meadows (three parks: Zia, Los Montoyas, Havasu Falls)
- Cabezon Communities (three parks: Cabezon, Chianti, A Park Above site)
- High Range Park
- Camino Crossing Park
- Gateway Park
- Sports Complex – Western Addition
- Valencia Park in Enchanted Hills
- Lomas Encantadas Pocket Parks (two parks on Lookout Road)

10 Year Projection for Developer Improvements and Dedications:

- Stonegate Park (10.7 acres)
- Melon Ridge Park (1.1 acres)
- Lomas Encantadas and Camino Encantadas Parks (2 parks, 7 acres each)
- Hawksite Parks (2 parks, 7 and 8.2 acres)
- Los Diamantes Park (up to 6.9 acres)
- Mariposa (2 parks, 4.32 developed acres and 24 undeveloped)

**Funding Sources**

Parks, Recreation, and Community Services (PRCS) capital expenditures are supported by various sources. The most prominent among them include:

- Intergovernmental grants
- Park and bikeway impact fees

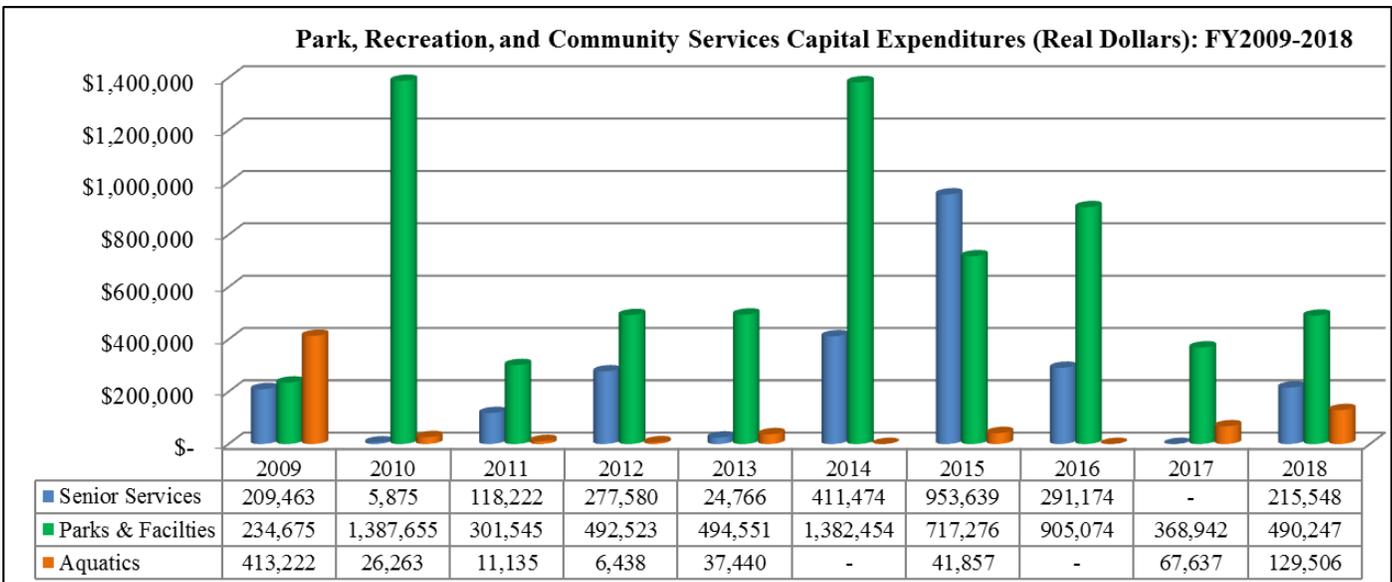
# Capital Improvement Plan Parks, Recreation and Community Services



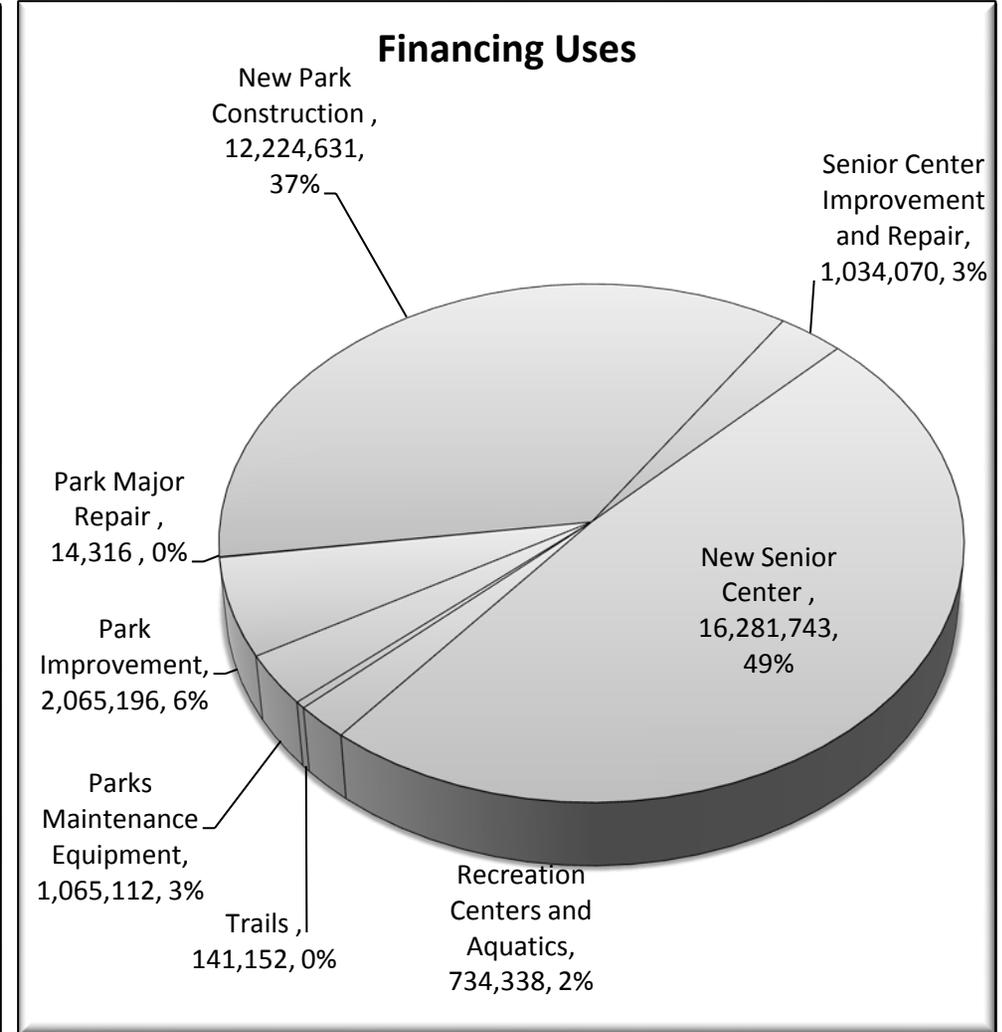
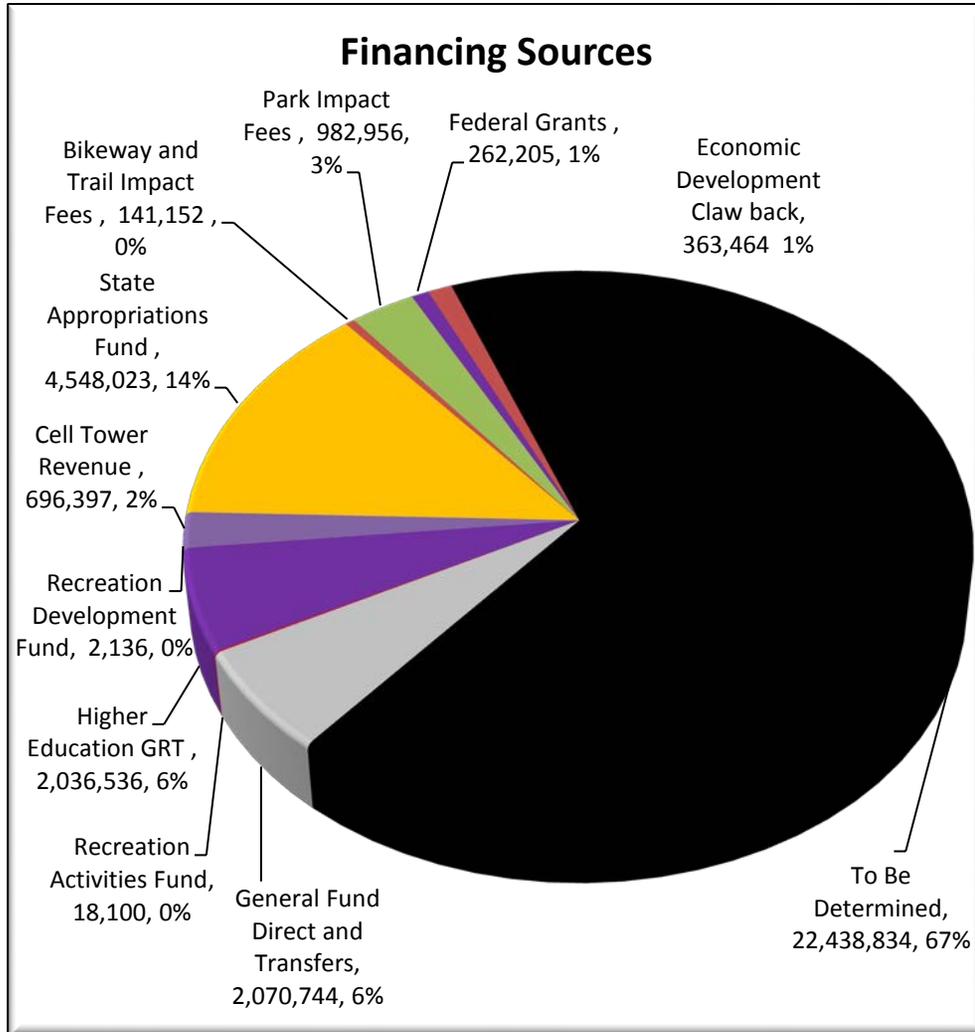
FY19

- General fund direct spending and transfers
- Recreation fees
- Building improvement revenue from rental and lease of property, and sale of land

PRCS capital spending peaked in fiscal year 2008 with the building of the city’s first indoor aquatic center utilizing private contributions and general obligation bond proceeds. Bond expenditures for this project totaled \$7,613,940, which accounts for nearly one third of PRCS capital expenditures since fiscal year 2007. In recent years, PRCS has focused largely on improvements and renovations to existing park acreage and buildings, which accounted for fifty-eight percent (58%) of capital expenditures from fiscal year 2014 to fiscal year 2018. During the same period, the city spent an additional \$933,265 (real dollars) in non-capital park improvement and maintenance. New park projects have included Cielo Grande and A Park Above, as well as developer dedicated Gateway Park. During the last five years, PRCS has been largely dependent on grant sources, which have accounted for seventy-two percent (72%) of capital sources. Other sources supporting the capital program have included impact fees (9%), general fund sources (9%), and rental revenue (5%).



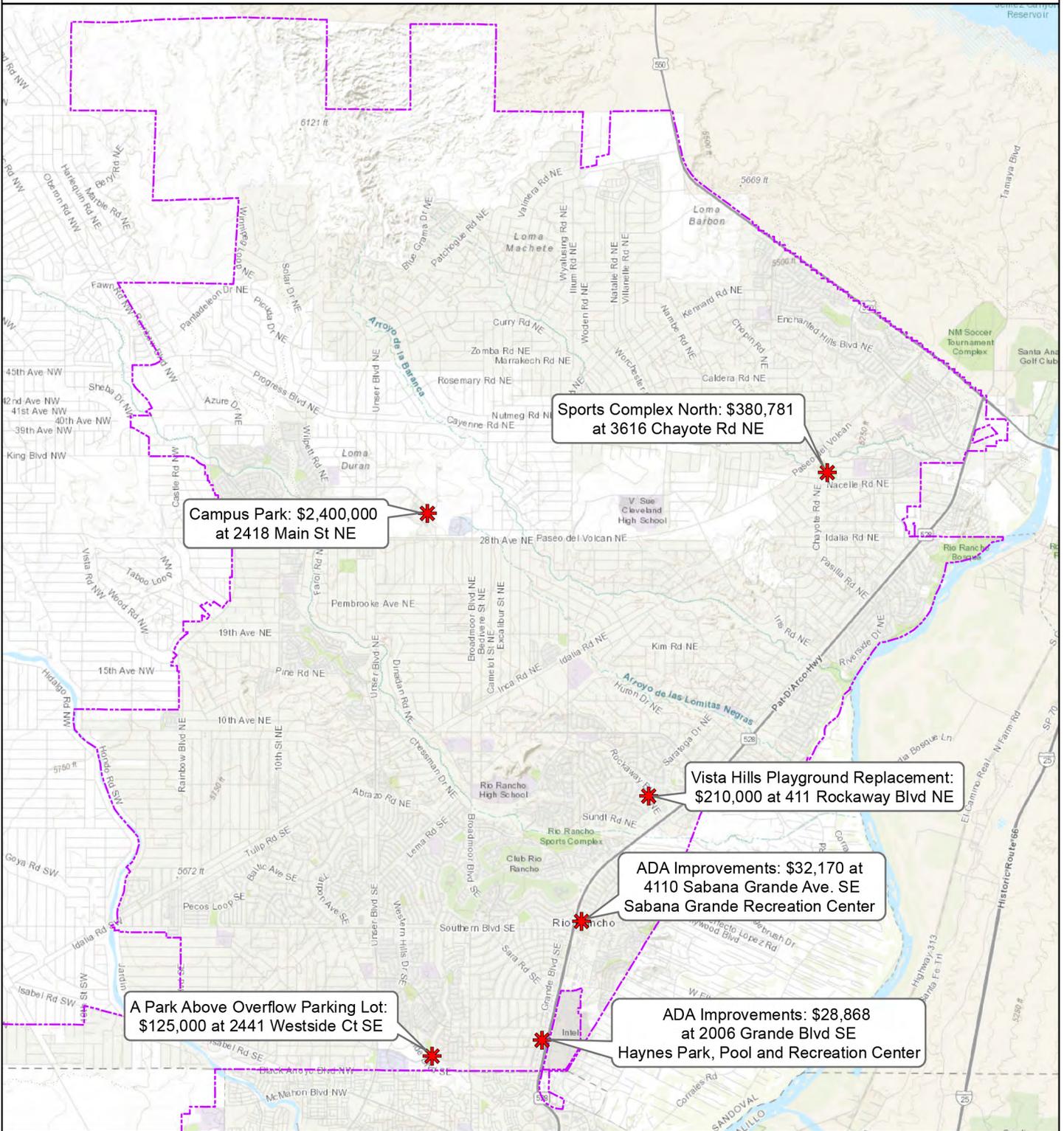
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Parks & Facilities	\$ 234,675	\$ 1,387,655	\$ 301,545	\$ 492,523	\$ 494,551	\$ 1,382,454	\$ 717,276	\$ 905,074	\$ 368,942	\$ 490,247
Aquatics	\$ 413,222	\$ 26,263	\$ 11,135	\$ 6,438	\$ 37,440	\$ -	\$ 41,857	\$ -	\$ 67,637	\$ 129,506
Senior Services	\$ 209,463	\$ 5,875	\$ 118,222	\$ 277,580	\$ 24,766	\$ 411,474	\$ 953,639	\$ 291,174	\$ -	\$ 215,548
<b>Total</b>	<b>\$ 857,360</b>	<b>\$ 1,419,793</b>	<b>\$ 430,902</b>	<b>\$ 776,540</b>	<b>\$ 556,758</b>	<b>\$ 1,793,929</b>	<b>\$ 1,712,771</b>	<b>\$ 1,196,248</b>	<b>\$ 436,580</b>	<b>\$ 835,301</b>



**GRAND TOTAL:**

**33,560,558**

# FY2019 ICIP: PARKS



Map Created by John Martineau 8-23-18



- \* Project Location
- City Boundary

DISCLAIMER: All information in this map is provided "as is" without warranty or any representation of accuracy, timeliness, or completeness. This map is not a survey and should be used for graphical purposes only.



**FY2019 ICIP: Parks, Recreation and Community Services**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>1</b>	<b>Parks and Recreation Facilities ADA Implementation</b>	<b>40,342</b>	-	<b>61,038</b>	<b>61,038</b>	-	-	-	-	-	<b>61,038</b>
	ADA Improvements	3,896		46,722	46,722						46,722
	ADA Major Repair	36,446	-	14,316	14,316						14,316
	Total	40,342	-	61,038	61,038	-	-	-	-	-	61,038
	Cell Tower Revenue (Fund 313)	40,342	-	14,316	14,316						14,316
	Federal Grants (Fund 375)			46,722	46,722						46,722
	Total	40,342	-	61,038	61,038	-	-	-	-	-	61,038
<b>2</b>	<b>Park Playground Replacement, Surfacing, and Shade Improvements</b>	<b>196,771</b>	-	<b>210,000</b>	<b>210,000</b>			<b>190,000</b>	<b>126,000</b>	<b>190,000</b>	<b>716,000</b>
	Cell Tower Revenue (Fund 313)	67,511	-	210,000	210,000			190,000	126,000	148,681	674,681
	Federal Grants (Fund 375)	129,260			-						-
	To Be Determined				-					41,319	41,319
	Total	196,771	-	210,000	210,000	-	-	190,000	126,000	190,000	716,000
<b>3</b>	<b>A Park Above Parking Lot</b>		-	<b>125,000</b>	<b>125,000</b>						<b>125,000</b>
	General Fund Transfer (Fund 310)		-	24,797	24,797						24,797
	Park Impact Fees			100,203	100,203						100,203
	Total	-	-	125,000	125,000	-	-	-	-	-	125,000



**FY2019 ICIP: Parks, Recreation and Community Services**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>4</b>	<b>Campus Park</b>	-	<b>2,036,536</b>	<b>363,464</b>	<b>2,400,000</b>	-	-	-	-	-	<b>2,400,000</b>
	Design and Engineering		400,000		400,000						400,000
	Construction		1,636,536	363,464	2,000,000						2,000,000
	Total	-	2,036,536	363,464	2,400,000	-	-	-	-	-	2,400,000
	Higher Education GRT (Fund 263)		2,036,536		2,036,536						2,036,536
	Economic Development Claw back		-	363,464	363,464						363,464
	Total	-	2,036,536	363,464	2,400,000	-	-	-	-	-	2,400,000
<b>5</b>	<b>Meadowlark Senior Center Improvements</b>	<b>449,507</b>	<b>185,139</b>	-	<b>185,139</b>	<b>63,750</b>	<b>151,349</b>	<b>250,000</b>	-	-	<b>650,238</b>
	MSC Improvements	331,111	65,176		65,176	63,750	93,726	250,000			472,652
	MSC Major Repair	58,363	110,663		110,663						110,663
	MSC Major Equipment	16,855			-		57,623				57,623
	MSC Minor Equipment	43,177	9,300		9,300						9,300
	Total	449,507	185,139	-	185,139	63,750	151,349	250,000	-	-	650,238
	State Appropriations Fund (Fund 315)	449,507	185,139	-	185,139	63,750	151,349	250,000	-	-	650,238
	Total	449,507	185,139	-	185,139	63,750	151,349	250,000	-	-	650,238
<b>6</b>	<b>Meadowlark Senior Center Parking Lot Renovations-Phase II</b>	<b>961,803</b>	<b>383,832</b>		<b>383,832</b>						<b>383,832</b>
	General Fund (Fund 101)	822			-						-
	State Appropriations Fund (Fund 315)	912,559	383,832		383,832						383,832
	Federal Grants (Fund 375)	48,422			-						-
	Total	961,803	383,832	-	383,832	-	-	-	-	-	383,832



**FY2019 ICIP: Parks, Recreation and Community Services**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>7</b>	<b>Sports Complex Improvements</b>	<b>69,294</b>	<b>63,100</b>	<b>-</b>	<b>63,100</b>	<b>93,000</b>	<b>68,000</b>	<b>68,000</b>	<b>68,000</b>	<b>68,000</b>	<b>428,100</b>
	Capital Improvement	69,294	63,100		63,100	93,000	68,000	68,000	68,000	68,000	428,100
	Total	69,294	63,100	-	63,100	93,000	68,000	68,000	68,000	68,000	428,100
	Recreation Activities Fund (Fund 206)	29,294	18,100		18,100						18,100
	General Fund Transfer (Fund 310)					93,000	68,000	68,000	68,000		297,000
	State Appropriations Fund (Fund 315)	40,000	45,000		45,000						45,000
	To Be Determined		-		-	-	-	-	-	68,000	68,000
	Total	69,294	63,100	-	63,100	93,000	68,000	68,000	68,000	68,000	428,100
					-						
<b>8</b>	<b>Sports Complex North</b>	<b>2,999,037</b>	<b>280,785</b>	<b>99,996</b>	<b>380,781</b>	<b>2,440,813</b>	<b>1,440,890</b>	<b>1,529,893</b>	<b>1,085,550</b>	<b>2,946,704</b>	<b>9,824,631</b>
	County Grants (Fund 310)	619,041	12		12						12
	General Fund Direct and Transfers (Fund 313)	805,274			-						-
	State Appropriations Fund (Fund 315)	596,047	68,952		68,952						68,952
	Park Impact Fees (Fund 353)	978,675	211,821	99,996	311,817	101,496	103,019	104,564	106,133	107,724	834,753
	To Be Determined				-	2,339,317	1,337,871	1,425,329	979,417	2,838,980	8,920,914
	Total	2,999,037	280,785	99,996	380,781	2,440,813	1,440,890	1,529,893	1,085,550	2,946,704	9,824,631
<b>9</b>	<b>Park Parking Lot Renovations</b>	<b>139,322</b>	<b>57,988</b>		<b>57,988</b>	<b>-</b>	<b>371,020</b>	<b>98,000</b>	<b>92,215</b>	<b>80,015</b>	<b>699,238</b>
	General Fund Transfer	-			-		371,020	98,000	92,215		561,235
	Cell Tower Revenue (Fund 313)	36,429			-						-
	Federal Grants (Fund 375)	102,893	57,988		57,988						57,988
	To Be Determined				-	-	-	-	-	80,015	80,015
	Total	139,322	57,988	-	57,988	-	371,020	98,000	92,215	80,015	699,238



**FY2019 ICIP: Parks, Recreation and Community Services**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>10</b>	<b>Park Maintenance Equipment</b>	<b>344,581</b>	<b>6,410</b>	<b>165,210</b>	<b>171,620</b>	-	<b>427,492</b>	<b>168,000</b>	<b>182,000</b>	<b>116,000</b>	<b>1,065,112</b>
	General Fund (Fund 101)	344,581	6,410	165,210	171,620		427,492	168,000	182,000		949,112
	To Be Determined				-	-	-	-	-	116,000	116,000
	<b>Total</b>	<b>344,581</b>	<b>6,410</b>	<b>165,210</b>	<b>171,620</b>	-	<b>427,492</b>	<b>168,000</b>	<b>182,000</b>	<b>116,000</b>	<b>1,065,112</b>
<b>11</b>	<b>Star Heights Recreation Center and Park Improvements</b>		<b>93,970</b>		<b>93,970</b>	<b>63,525</b>					<b>157,495</b>
	Federal Grants (Fund 375)		93,970		93,970	63,525					157,495
	<b>Total</b>	-	<b>93,970</b>	-	<b>93,970</b>	<b>63,525</b>	-	-	-	-	<b>157,495</b>
<b>12</b>	<b>Bosque Trail Improvements</b>	<b>8,847</b>	<b>141,152</b>		<b>141,152</b>						<b>141,152</b>
	Bikeway and Trail Impact Fees (Fund 352)	8,847	141,152		141,152						141,152
	<b>Total</b>	<b>8,847</b>	<b>141,152</b>	-	<b>141,152</b>	-	-	-	-	-	<b>141,152</b>



**FY2019 ICIP: Parks, Recreation and Community Services**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>13</b>	<b>Sabana Grande Recreation Center Improvements</b>	<b>41,003</b>	-	-	-	-	-	<b>65,000</b>	-	<b>300,000</b>	<b>365,000</b>
	Sabana Grande Recreation Center Improvements-Improvements	41,003						15,000		300,000	315,000
	Sabana Grande Recreation Center Improvements-Major Repair							50,000			50,000
	Total	41,003	-	-	-	-	-	65,000	-	300,000	365,000
	General Fund Transfer (Fund 313)				-			57,600			57,600
	Cell Tower Revenue (Fund 313)	41,003			-			7,400			7,400
	To Be Determined				-	-	-	-	-	300,000	300,000
	Total	41,003	-	-	-	-	-	65,000	-	300,000	365,000
<b>14</b>	<b>Rainbow Park and Pool</b>	<b>150,413</b>	-	-	-	-	<b>20,000</b>	<b>12,500</b>	-	<b>30,843</b>	<b>63,343</b>
	Rainbow Park and Pool Improvements	150,413			-			12,500			12,500
	Rainbow Park and Pool Major Repair				-		20,000			30,843	50,843
	Total	150,413	-	-	-	-	20,000	12,500	-	30,843	63,343
	General Fund Direct (Fund 101)	16,272			-						-
	General Fund Transfer (Fund 313)	40,628			-		20,000	12,500			32,500
	Cell Tower Revenue (Fund 313)	93,513			-						-
	To Be Determined				-	-	-	-	-	30,843	30,843
	Total	150,413	-	-	-	-	20,000	12,500	-	30,843	63,343



**FY2019 ICIP: Parks, Recreation and Community Services**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>15</b>	<b>New Senior Center</b>	<b>570,426</b>	<b>165,000</b>		<b>165,000</b>		<b>3,235,000</b>	<b>12,881,743</b>			<b>16,281,743</b>
	State Appropriations Fund (Fund 315)	570,426	165,000		165,000		3,235,000				3,400,000
	To Be Determined				-			12,881,743			12,881,743
	<b>Total</b>	<b>570,426</b>	<b>165,000</b>	<b>-</b>	<b>165,000</b>	<b>-</b>	<b>3,235,000</b>	<b>12,881,743</b>	<b>-</b>	<b>-</b>	<b>16,281,743</b>
<b>16</b>	<b>North Hills Open Space Park and Trail/BBBS Park</b>	<b>120,284</b>	<b>50,133</b>	<b>3</b>	<b>50,136</b>						<b>50,136</b>
	Recreation Development Fund (Fund 310)	16,323	2,133	3	2,136						2,136
	Park Impact Fees (Fund 353)	44,080	48,000		48,000						48,000
	Federal Grants (Fund 375)	59,882			-						-
	<b>Total</b>	<b>120,284</b>	<b>50,133</b>	<b>3</b>	<b>50,136</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50,136</b>
<b>17</b>	<b>Aquatic Center</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>18,500</b>	<b>130,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>148,500</b>
	Aquatic Center Major Repair				-	18,500	130,000				148,500
	<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>18,500</b>	<b>130,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>148,500</b>
	General Fund Transfer (Fund 313)				-	18,500	130,000				148,500
	<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>18,500</b>	<b>130,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>148,500</b>



**FY2019 ICIP: Parks, Recreation and Community Services**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
	<b>GRAND TOTAL</b>	<b>6,091,630</b>	<b>3,464,045</b>	<b>1,024,711</b>	<b>4,488,756</b>	<b>2,679,588</b>	<b>5,843,751</b>	<b>15,263,136</b>	<b>1,553,765</b>	<b>3,731,562</b>	<b>33,560,558</b>
	General Fund Direct and Transfers	1,207,577	6,410	190,007	196,417	111,500	1,016,512	404,100	342,215	-	2,070,744
	Recreation Activities Fund	29,294	18,100	-	18,100	-	-	-	-	-	18,100
	Higher Education GRT	-	2,036,536	-	2,036,536	-	-	-	-	-	2,036,536
	County Grants	619,041	12	-	12	-	-	-	-	-	12
	Recreation Development Fund	16,323	2,133	3	2,136	-	-	-	-	-	2,136
	Cell Tower Revenue	278,798	-	224,316	224,316	-	-	197,400	126,000	148,681	696,397
	State Appropriations Fund	2,568,539	847,924	-	847,924	63,750	3,386,349	250,000	-	-	4,548,023
	Bikeway and Trail Impact Fees	8,847	141,152	-	141,152	-	-	-	-	-	141,152
	Park Impact Fees	1,022,754	259,821	200,199	460,020	101,496	103,019	104,564	106,133	107,724	982,956
	Federal Grants	340,457	151,958	46,722	198,680	63,525	-	-	-	-	262,205
	Economic Development Claw back	-	-	363,464	363,464	-	-	-	-	-	363,464
	To Be Determined	-	-	-	-	2,339,317	1,337,871	14,307,072	979,417	3,475,157	22,438,834

**PARKS, RECREATION AND COMMUNITY SERVICES  
PROJECTS UNDER CONSIDERATION**

<b>Rank</b>	<b>Project Name</b>	<b>Fiscal Year(s)</b>	<b>Project Estimate</b>
18	Leon Grande Playground	2020	125,000
19	Park Water Conservation Projects	2020-2021	38,280
20	Parks/Facility Improvements and Renovations	2020	900,000
21	Park Maintenance Yard- Sports Complex	2020-2021	530,792
22	Melon Ridge Park	2020	203,350
23	Sierra Norte II Park Field	2020	203,350
24	Esther Bone Pond Path	2020	20,000
25	Cabazon Recreation Center, Pool, and Park Improvements	2020	15,000
	<b>TOTAL</b>		<b>2,035,772</b>

## Completed Projects

### **Park Maintenance Equipment**

Parks Maintenance crews acquired several pieces of new and replacement equipment for use in city parks and ball fields, including:

- Utility Vehicle
- Bunker Rake
- Front Deck Mower
- 72” Deck Mower
- Commercial Wide Area Mower
- Simplicity Tractor with Loader and Backhoe attachment

Funding consisted of General Fund sources in the amount of \$136,659. Additional equipment budgeted in the General Fund planned in fiscal year 2019 total \$165,210 and include:

- Compact Utility Tractor with 72” Mid Deck Mower
- Utility Vehicle with Sprayer Equipment
- Tandem Axle Trailer
- Compact Utility Tractor with Loader
- Bunker Rake
- 72” Deck Mower



### **Rainbow Park Playground, Pool, and Parking Lot (PR1489 and FS1724)**

City contractors completed work in November 2017 to remove and replace the 5-12 year old playground structure, including installation of over 1,200 square feet of new vitriturf safety surfacing. Funding consisted of community development block grants-CDBG (\$74,717) and cell tower revenue (\$38,724) earmarked for

Americans with Disabilities Act (ADA) access improvements. Additional improvements at Rainbow Park continued in spring 2018 with the renovation of the 40,500 square foot parking lot including one hundred five (105) standard and five (5) handicap parking spaces with access aisles. Funding consisted of a combination of a CDBG grant (\$73,757) and cell tower revenue (\$34,197). The pool was also

replastered before the beginning of the summer 2018 pool season utilizing cell tower revenue (\$102,372) and General Fund sources (\$27,134).

**Rio Rancho Sports Complex (PR1727)**

Four (4) 18' x 22' shade structures were installed in August 2017 at the little league fields at Sports Complex located at 3501 High Resort Boulevard SE. Funding consisted of state capital outlay appropriations (\$40,000) and recreation activities fees (\$7,429).



**Meadowlark Senior Center (PR1655, PR1656, PR1657, PR1658, PR1617, PR1683, PR1685, PR1886)**



Improvements at the Meadowlark Senior Center completed and/or in progress in FY2018 consist of state capital outlay appropriations for:

- Flooring replacement in dining areas, classrooms, and billiard room (6,120 square ft. luxury vinyl): \$59,891
- Flooring replacement in offices (800 square ft. vinyl): \$9,294
- Walk off carpet installation in two (2) entry ways to replace throw rugs: \$4,278



- Architectural and electrical engineering and electrical upgrades for an emergency generator installation: \$31,191
- Various kitchen equipment installations: \$73,473
- Door and window replacement: \$39,252
- Removal and replacement of an electrical partition: \$41,337
- Design is in progress for phase 2 parking lot improvements to include storage container placement as well as lighted crosswalks for safety and repairs to the wall adjacent to the berm: \$23,124
- Replacement of failing grease trap: \$25,000
- ADA compliant drinking fountains: \$5,729

### Works in Progress



#### **Sports Complex North (PR0447 and PR1763)**

Construction of Phase 1A was completed in January 2010 and Cibola Little League began use of the facility for the 2010 summer baseball season. Phase 1A included: construction of two (2) 215' artificial turf outfield little league fields with chain link and metal panel fencing, dugouts, and backstops; concrete ADA parking lot; dirt parking lot with compacted base course; post and cable perimeter fencing; and irrigation and native re-seeding of disturbed areas.

Facility planning continues for the phasing of the Rio Rancho Sports Complex North located between the Vista Entrada and Lomas Encantadas developments. Design work for Phase 2, Option 3 consisting of an additional ball field, an asphalt parking lot, and field lighting for Phase 1A was completed in November 2013. To date, field lighting, scoreboard installation, bleacher shade structures, and scorer's booth improvements have been completed however funding is lacking for the additional ballfield and parking lot. An updated design and phasing plan was commissioned in fall 2017 to be completed in 2018 at a total cost of \$214,845 utilizing state grant sources (\$104,037) and park impact fees (\$110,808). The



updated design work consists of plans and cost estimates for a concession/restroom building, two (2) additional fields (final 2 of the 5 total ball fields), related grading and drainage, utility locations, pedestrian routes, and tie ins to the original Phase 2 ballfield and parking lot. Staff will pursue improvements based on the updated plan as funding becomes available. An amount of \$903,717 in state grant and park impact fee sources have been identified while \$8.9 million in project improvements are unfunded at this time.

Project spending to date, including land acquisition, design, and construction activities total \$3 million. Project funding to date has consisted of General Fund sources (\$805,274); Sandoval County grants (\$619,041); state capital outlay appropriations (\$596,047); and, park impact fees (\$978,675).

### **Bosque Trail Improvements (PR1781)**

Design of Upper Bosque Trail improvements commenced in July 2017 and is expected to be completed in 2018. Bid letting and construction will occur thereafter with construction scheduling considerate of the migratory bird season. The project is funded with bikeway and trail impact fees in the amount of \$150,000.

### **Campus Park (AD1816)**

The city has entered into a contract for design of a 6.5 acre multipurpose, outdoor gathering space that will act as an activity hub in the City Center area. The design phase will also create a phased access plan for existing and future pedestrian routes, way-finding, connections and improvements that will link the park site to surrounding facilities. Campus Park will be a destination and gathering space for people taking part in city special events, small concert performances and more. On a daily basis, the park will be a destination for students, employees and residents in the area to walk, exercise, study and enjoy the outdoors. Total project cost is estimated to be \$2.4 million with funding consisting of Higher Education Gross Receipts Tax (\$2 million) and economic development project clawback payments (\$363,463).

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## Drainage/Flood Control System

The city's drainage system consists of local and regional conveyance, detention, and storm water control facilities that provide protection from storms up to the 100-year event. The design storm is the 100-year, 24-hour event for detention facilities and the 100-year, 6-hour event for conveyances. The level of service required by current city code is to provide an adequate conveyance system to the farthest upstream property located within the city boundary.

There are five distinct, natural arroyo systems or watersheds within the city limits which flow from higher elevations in the northwest toward the lower elevations in the southeast: La Venada, La Barranca, Los Montoyas, Calabacillas and Black Arroyo. Smaller and contributing watersheds, and those located within the city's urban centers include: Rainbow Tributary Watershed, NM 528 Watershed, Rio Rancho Urban Center, and the Unnamed Watershed located between La Venada and La Barranca watersheds. Lastly, two recently annexed, though yet to be developed areas of the city know as Paradise West and Quail Ranch are within the jurisdiction of the Albuquerque Metropolitan Area Flood Control Authority (AMAFCA).

The Southern Sandoval County Arroyo Flood Control Authority (SSCAFCA) has jurisdiction over most drainage and flood control facilities in the Sandoval County portion of Rio Rancho, while the City of Rio Rancho has historically acted as SSCAFCA's designee for minor facilities that have drainage flows less than 500 cubic feet per second (cfs). Since its inception in 1990, SSCAFCA has constructed and now maintains approximately thirty regional drainage and flood control facilities within the city limits. SSCAFCA capital projects and maintenance operations are supported by a \$2.07 property tax mill levied per \$1,000 of assessed value of residential and non-residential property within its boundaries.

As categorized in the Infrastructure and Capital Improvement Plan (ICIP), the drainage system does not refer to drainage infrastructure associated with roadway projects, but rather consists of stand-alone drainage, flood control, and erosion control projects the city will build, own, and maintain. Staff has developed a comprehensive, easy to use, Geographic Information System (GIS) to readily display drainage data and reports, which help in planning future drainage projects featured within the ICIP. Strides have been made to make drainage information more accessible and the GIS Section within the Public Works Engineering Division continues to develop and implement an inventory of local and regional drainage improvements. Additional data collection to display a complete and accurate spatial depiction of the drainage system is an ongoing activity.

## Current Capacity, Condition, and Challenges

According to the city's Comprehensive Plan published in November 2010, "...serious problems with drainage, erosion, and flood control persist due to chronic underfunding of drainage projects." Because large areas of the city were platted on a bulk basis with no subdivision improvements such as paved streets or storm drains, severe drainage problems during heavy rain events is an imminent danger in many parts of the city. Deficiencies exist throughout the city and as more development occurs further up in the watersheds to the north and west of Unser Boulevard, the risk of flood and property damage increases.

To date, the approach taken toward drainage/floodplain management within the city's jurisdiction has been two fold. First, the city has developed and enforces various ordinances governing flood prevention, erosion control and storm drainage, and the creation of subdivisions. Currently, the city has five basic ordinances governing development and the associated drainage infrastructure that is required. These ordinances include Chapters 150, 152, 153, 154, and 155 of the Municipal Code. Technical design standards, criteria, and guidelines have also been established jointly with SSCAFCA and incorporated in the city's Development Process Manual (DPM) to facilitate the planning, design, construction, and operation of public and private drainage control, flood control, and erosion

control within the community. The second part of the approach is to identify problem areas through city staff assessments of risk and/or citizen complaints. Projects are then defined, designed, and constructed to address drainage infrastructure needs with the caveat of having sufficient funds available. As for floodplain management, the second part to the approach is the in-house identification of areas susceptible to flooding that are not identified by the Federal Emergency Management Agency (FEMA), and the commissioning of detailed studies used to more accurately identify the flood potential of areas identified by FEMA as “Approximate A Zones.”

## Infrastructure and Capital Improvement Plan Development

The Department of Public Works, Engineering Division updates its capital plan concurrent with the annual budget process by which current year capital appropriations are requested to address priority infrastructure needs. Staff regularly works cooperatively with SSCAFCA to identify areas and projects of critical need as well as review and approve drainage solutions for newly developed land within the city. As drainage infrastructure needs are identified and funding secured, projects are incorporated into the city’s Infrastructure and Capital Improvement Plan (ICIP).

The city’s Strategic Plan goals for Economic Vitality and Infrastructure have established the following objectives related to drainage infrastructure development:

- Make strategic and targeted public infrastructure improvements. More specifically, prioritize infrastructure improvements on already identified key development areas, and identify areas of the city that have high development potential with infrastructure deficiencies.
- Update the Comprehensive Plan that establishes policy for the physical development of the city.
- Leverage resources on an ongoing basis and initiate contact with other entities to compare approaches and explore sharing resources to increase output and maximize efficiencies.
- Address citizen infrastructure related concerns in a timely and empathetic manner on an ongoing and consistent basis.

Potential tools identified by staff include drainage/floodplain master plans and individual watershed management plans. SSCAFCA has developed individual drainage master plans for all major watersheds within the city limits. As specific area plans are developed for the city, drainage facility plans will be developed for areas with potential development and for areas already developed with deficient drainage infrastructure, specifically developed areas on antiquated platted lots. Funds are usually limited, therefore before drainage facility plans may be developed there needs to be a sufficient number of specific area plans in existence to identify the type of proposed development within the watershed.

## Developer Contributions

The city’s updated Impact Fee Plan and Ordinance (O-9, Enactment 17-12) adopted in 2017 establishes revised development fees effective July 1, 2018 for development in areas not served by an engineered and approved storm water management system:

- Single Family Residential: \$4,465
- Multi-Family Residential: \$1,456.50
- Non-Residential: \$394/1,000 square foot

These funds are used to construct system level improvements in the citywide service area. In fiscal year 2018, development in areas not served by an engineered and approved storm water management system accounted for seven percent (7%) of all residential development. In contrast, developers that assemble various properties and re-plate these properties for development are required by means of the aforementioned ordinances to construct all required drainage infrastructure. Drainage impact fees are not collected from this type of development. Dedication

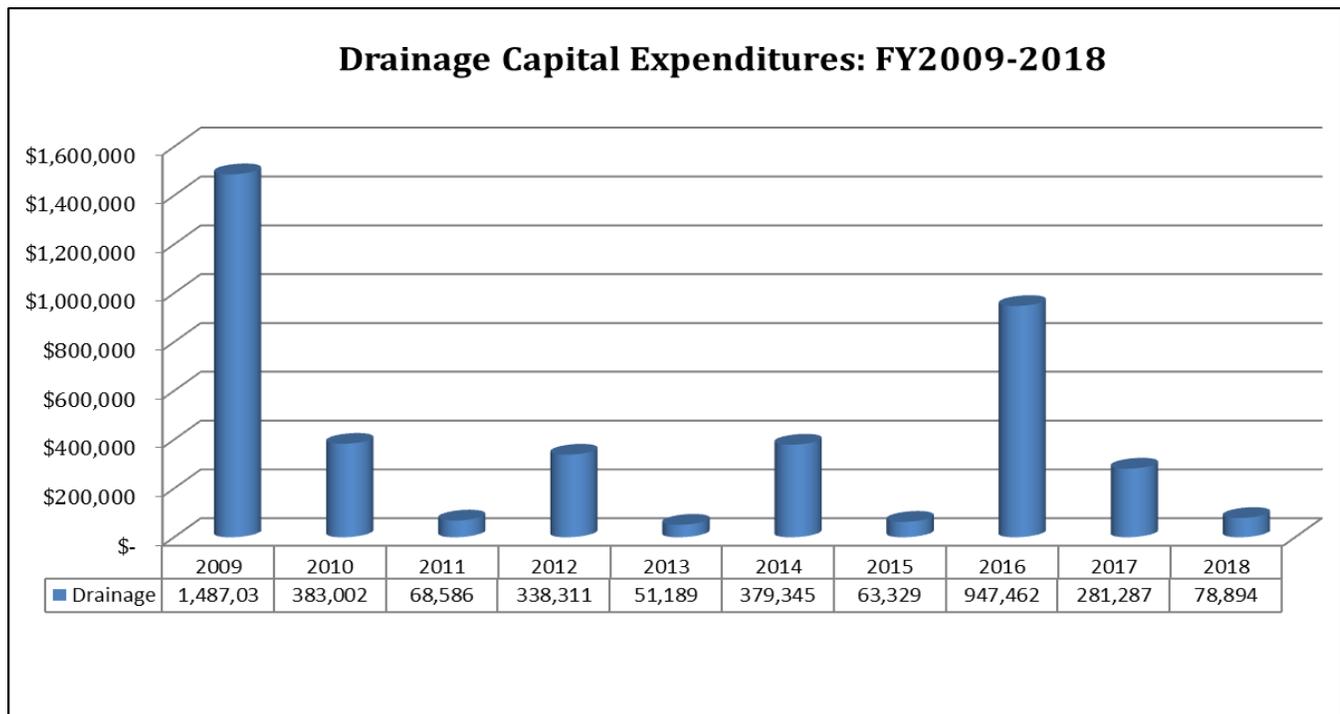
of drainage infrastructure to the city is typically restricted to surface street improvements, associated underground drainage pipelines, and local area detention ponds. Regional drainage facilities constructed as part of approved subdivisions and non-residential development areas are dedicated to SSCAFCA who is responsible for maintenance. Some regional and local facilities are built for multi-purpose use as parkland subject to the city’s park system objectives and design standards. The most recent example was an agreement for construction of the 3.5 acre Gateway Pond at the intersection of 22nd Avenue in 19th Street near the Petroglyph Medical Plaza in southern Rio Rancho.

**Funding Sources**

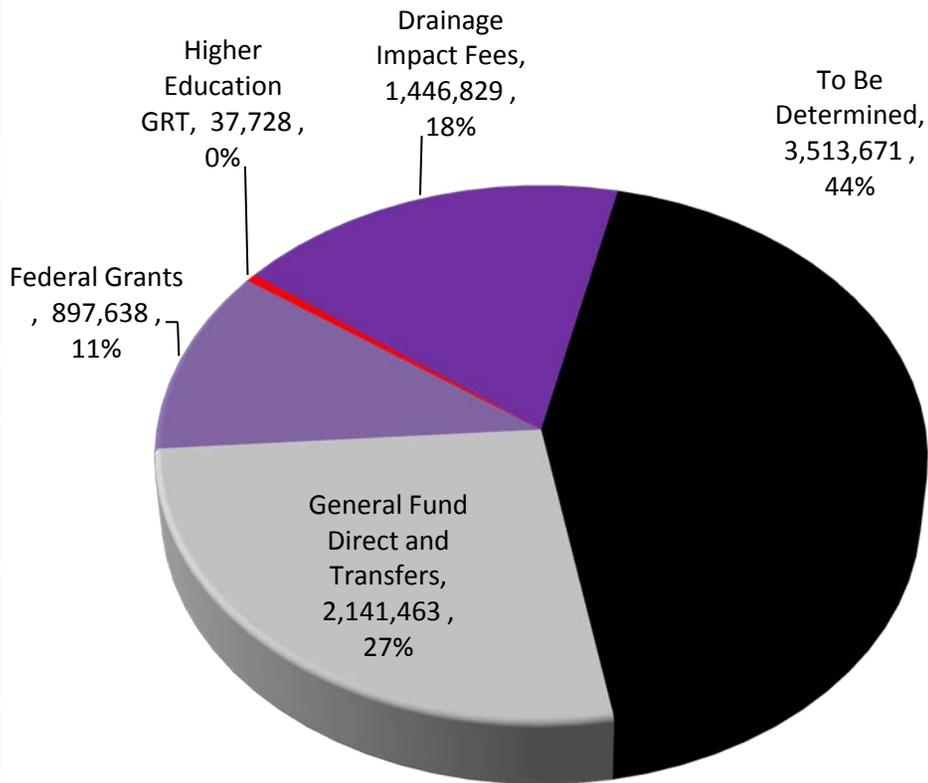
Drainage capital expenditures are supported by various sources, including:

- Drainage impact fees
- Contributions and Donations
- Intergovernmental grants
- General Fund transfers

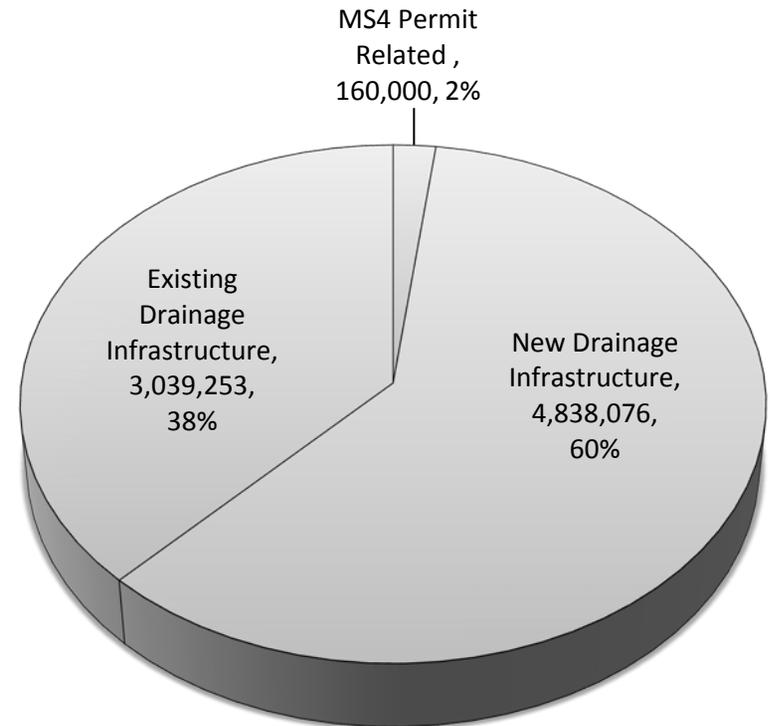
Drainage capital expenditures are down dramatically from their high water mark of \$2.5 million in fiscal year 2008. Significant expenditures for drainage infrastructure in fiscal years 2008 and 2009 were related to remediation and repair of channels and arroyos to their pre-flood condition after severe flooding throughout the city in the summer of 2006. Funding for remediation projects include federal and state grants as well as general fund sources. During the last five years, drainage capital expenditures have averaged \$350,000 annually (real dollars), with impact fees having been the main source of funding (more than sixty percent) for the modest capital program. The remaining source for the drainage capital program was general fund allocations for the Sports Complex Armoring and Idalia Road Tributary Culvert Crossing projects.



**Financing Sources**



**Financing Uses**



**GRAND TOTAL:**

**8,037,329**

# FY2019 ICIP: DRAINAGE



Sports Complex Armoring: \$1,027,289  
at 3501 High Resort Blvd. SE  
on the Arroyo de los Montoyas

Rio Rancho Sports Complex



Map Created by John Martineau 8-24-18



\* Project Location

DISCLAIMER: All information in this map is provided "as is" without warranty or any representation of accuracy, timeliness, or completeness. This map is not a survey and should be used for graphical purposes only.



**FY2019 ICIP: Drainage**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>1</b>	<b>Sportscomplex Armoring</b>	<b>96,631</b>	<b>1,027,289</b>	-	<b>1,027,289</b>	-	-	-	-	-	<b>1,027,289</b>
	Design and Engineering	86,586	34,393		34,393						34,393
	Construction		974,079		974,079						974,079
	Construction Management		12,493		12,493						12,493
	Other	10,045	6,324		6,324						6,324
	<b>Total</b>	<b>96,631</b>	<b>1,027,289</b>	-	<b>1,027,289</b>	-	-	-	-	-	<b>1,027,289</b>
	General Fund Direct (Fund 101)	16,893	784		784						784
	General Fund Transfers (Funds 305 and 307)	24,388	95,886		95,886						95,886
	Federal Grants (Fund 305)	55,351	770,467		770,467						770,467
	To Be Determined	-	160,152	-	160,152	-	-	-	-	-	160,152
	<b>Total</b>	<b>96,631</b>	<b>1,027,289</b>	-	<b>1,027,289</b>	-	-	-	-	-	<b>1,027,289</b>
<b>2</b>	<b>MS4 Outfalls to the Rio Grande</b>	-	-	<b>160,000</b>	<b>160,000</b>	-	-	-	-	-	<b>160,000</b>
	Design and Engineering			160,000	160,000						160,000
	General Fund Transfer (Fund 305)			160,000	160,000						160,000
	<b>Total</b>	-	-	<b>160,000</b>	<b>160,000</b>	-	-	-	-	-	<b>160,000</b>
<b>3</b>	<b>Star Heights Drainage Infrastructure</b>	-	-	<b>127,171</b>	<b>127,171</b>	-	-	-	-	-	<b>127,171</b>
	Design and Engineering			127,171	127,171						127,171
	Federal Grants (CDBG-Fund 375)			127,171	127,171						127,171
	<b>Total</b>	-	-	<b>127,171</b>	<b>127,171</b>	-	-	-	-	-	<b>127,171</b>



**FY2019 ICIP: Drainage**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>4</b>	<b>City Center Facility Plan-Storm Drainage &amp; Land Acquisition</b>	<b>25,820</b>	<b>37,728</b>	<b>-</b>	<b>37,728</b>	<b>800,348</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>4,838,076</b>
	Design and Engineering	25,820	37,728		37,728	120,052	150,000	150,000	150,000	150,000	757,780
	Land Acquisition				-	68,030	85,000	85,000	85,000	85,000	408,030
	Construction				-	612,266	765,000	765,000	765,000	765,000	3,672,266
	<b>Total</b>	<b>25,820</b>	<b>37,728</b>	<b>-</b>	<b>37,728</b>	<b>800,348</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>4,838,076</b>
	Higher Education GRT (Fund 263)	25,820	37,728		37,728						37,728
	Drainage Impact Fees (Fund 355)				-	800,348	158,029	160,399	162,806	165,247	1,446,829
	To Be Determined				-	-	841,971	839,601	837,194	834,753	3,353,518
	<b>Total</b>	<b>25,820</b>	<b>37,728</b>	<b>-</b>	<b>37,728</b>	<b>800,348</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>4,838,076</b>
<b>5</b>	<b>Idalia Road Culvert Crossing at Arroyo de la Barranca</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,450,118</b>	<b>-</b>	<b>1,450,118</b>
	Design and Engineering				-				149,930		149,930
	Construction				-				1,300,188		1,300,188
	<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,450,118</b>	<b>-</b>	<b>1,450,118</b>
	General Fund Transfer (Fund 305)				-				1,450,118		1,450,118
	<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,450,118</b>	<b>-</b>	<b>1,450,118</b>



**FY2019 ICIP: Drainage**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
6	<b>Arroyo de Los Montoya's Box Culvert Crossing at Northern Blvd</b>	-	-	-	-	-	-	-	434,675	-	434,675
	Design and Engineering				-				68,078		68,078
	Construction				-				366,598		366,598
	Total	-	-	-	-	-	-	-	434,675	-	434,675
	General Fund Transfer (Fund 305)				-				434,675		434,675
	Total	-	-	-	-	-	-	-	434,675	-	434,675
	<b>GRAND TOTAL</b>	<b>122,451</b>	<b>1,065,017</b>	<b>287,171</b>	<b>1,352,188</b>	<b>800,348</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>2,884,794</b>	<b>1,000,000</b>	<b>8,037,329</b>
	General Fund Direct and Transfers	41,281	96,670	160,000	256,670	-	-	-	1,884,794	-	2,141,463
	Federal Grants	55,351	770,467	127,171	897,638	-	-	-	-	-	897,638
	Higher Education GRT	25,820	37,728	-	37,728	-	-	-	-	-	37,728
	Drainage Impact Fees	-	-	-	-	800,348	158,029	160,399	162,806	165,247	1,446,829
	To Be Determined	-	160,152	-	160,152	-	841,971	839,601	837,194	834,753	3,513,671

<b>DRAINAGE</b>			
<b>PROJECTS UNDER CONSIDERATION</b>			
<b>Rank</b>	<b>Project Name</b>	<b>Fiscal Year(s)</b>	<b>Project Estimate</b>
7	Christopher Point Pond Improvements	2020	\$ 155,183
8	Gray Hawk Pond Improvements	2021	\$ 164,769
9	Red River Watershed (Monterey/Granada)	2022-2023	\$ 1,724,660
10	Southern Blvd Phase 2 Pond Acquisition	2024	\$ 1,692,228
11	City Center Facility Plan-Storm Drainage & Land Acquisition	2024	\$ 7,148,379
12	Guadalajara Basin Improvements Phase II	2020-2022	\$ 2,552,910
13	Alberta Watershed Phase III	2020-2021	\$ 1,134,627
14	WWTP#3 Channel Stabilization	2020-2022	\$ 2,212,522
15	Paseo del Volcan Dam-City Portion	2020	\$ 1,661,887
16	Nicklaus Channel Outfall	2021	\$ 204,528
17	Antigua Road Outfall	2020	\$ 271,962
18	Chamisa Greens Detention Pond	2020	\$ 98,713
19	MonteBella Flood Control	2020	\$ 1,077,895
	<b>TOTAL</b>		<b>\$ 20,100,262</b>

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## Transportation/Road System

The city's transportation/road network consists of federal, state, and local road facilities functionally classified based on mobility and access characteristics. The adopted Mid-Region Council of Governments (MRCOG) Street Classification Map has been included at the end of this section as information for the reader. Currently, the local paved road network consists of 70.4 centerline miles of principal and minor arterial, 70.9 centerline miles of collector, and 305.7 centerline miles of residential streets. Elements of road facilities include curb and gutter, sidewalks, bike lanes and paths, landscaping, streetlights, traffic signals and other traffic control devices, and associated drainage infrastructure. The city also maintains approximately 104.3 miles of unpaved roads throughout the city. The unpaved road network is the result of antiquated platting on a bulk land basis with no subdivision improvements such as paved roads, storm drainage, sewer lines and water lines. This early platting placed lots along potential roadways that formed a modified grid, however right of ways are typically narrow and unable to accommodate higher capacity road facilities needed for a growing population. There are three state highways located within city limits -NM 528 (Pat D'Arco Highway), NM 448 (Corrales Road) and NM 347 (Paseo del Volcan), and one federal highway -US 550. NM 528 has historically, and continues to serve as the backbone of the city's transportation/road network and is the main gateway in and out of the city. The state Department of Transportation (NMDOT) has widened NM 528 from Southern Boulevard to Ridgecrest Drive and is currently designing NM 528 from Ridgecrest Drive to Northern Boulevard. In recent years, city planning and construction efforts to expand the system level road network have focused on Unser Boulevard, Broadmoor Boulevard, Idalia Road, Southern Boulevard, Northern Boulevard, Lincoln Avenue, Westside Boulevard, and Paseo del Volcan.

## Current Capacity and Condition

The city's roadway network includes two major north-south regional principal arterials, Unser Boulevard and NM 528. Rainbow Boulevard will become the third regional north-south arterial in the intermediate to long term future. Other principal arterials include Westside Boulevard, Southern Boulevard, Northern Boulevard, US 550, and NM 347 (Paseo del Volcan). Paseo Del Volcan is planned as a regional highway running from US 550 in the north to Interstate 40 in the south and west. Minor arterials include the recently reconstructed Idalia Road that runs from SW to NE with a break at the Montoyas Arroyo; Northern Boulevard from NM 528 to west of the city limits; and Broadmoor Boulevard from Country Club Drive to just north of Paseo del Volcan. Another developing minor arterial is Loma Colorado Boulevard, which is paved from Broadmoor Boulevard to Aloe Circle, and from Paseo del Volcan to Laban Drive near Cleveland High School.

### *Roadway Design and Traffic Flow*

Traffic forecasting models provided by the MRCOG are used as a basis, along with trip generations overlaid from proposed developments, to determine the adequacy of planned roadways and when improvements may be needed in order to accommodate increased traffic. The type of facility as well as the type of development also helps to determine access and intersection design considerations. Intersections, both signalized and non-signalized are designed for a given Level of Service (LOS) based on the consideration of the average control delay for each approaching vehicle. For a signalized intersection control delay is the sum of the deceleration, queue, stop and acceleration delay computed for each approach movement. Non-signalized intersections also utilize control delay; however its definition differs because of the type of traffic control (two-way stop, all-way stop, roundabout, etc.).

Roads, and specifically intersections, are designed to move a projected volume of vehicles during the peak hour with an acceptable amount of delay, defined by Level of Service (LOS). LOS ranges from A to F, and LOS A through D is considered acceptable delay during the busiest time of the day. Delay is defined as the sum of the time an approaching vehicle has to decelerate, stop, and accelerate back to free-flow speed. Level of service criteria are shown below:

**Stop Control/Roundabout**

- A: ≤10 sec, free-flow operations, minimal delay
- B: 10-15 sec, control delays are not significant
- C: 15-25 sec, stable operations, average delay
- D: 25-35 sec, long delay.
- E: 35-50 sec, approaching capacity, very long delay.
- F: >50 sec, over capacity, excessive delay.

**Signalized Control**

- A: ≤10 sec, low control delay, little or no stopping.
- B: 10-20 sec, higher levels of delay.
- C: 20-35 sec, individual cycle failures, significant vehicles stopping.
- D: 35-55 sec, many vehicles stop, proportion of vehicles not stopping declines.
- E: 55-80 sec, frequent individual cycle failures.
- F: >80 sec, unacceptable delay, over-saturation.

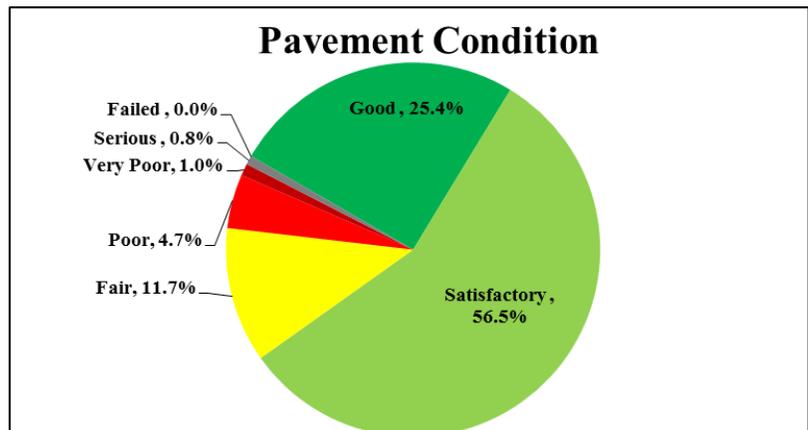
Volumes used during design of a facility are determined using the traffic forecasting model provided by the MRCOG. If a proposed land use differs from that in the MRCOG model, then a Traffic Impact Analysis (TIA) is prepared to show the city how the proposed development will change the forecast, and what infrastructure is needed to mitigate any increase in delay on a corridor.

For existing conditions, the MRCOG uses volume-to-capacity (V/C) ratios as one of three measures to determine the level of congestion (if any) on any given regional facility. V/C compares the observed traffic volume along a roadway compared to its capacity. Other criteria include *speed differential* and *safety/crash rates*. Speed differential measures the relationship between the posted speed limit, or intended speed, along a roadway segment and the observed speed of vehicles. The greater the percentage differences between actual and intended speeds, the greater the level of delay and congestion along a roadway segment. Crash rates compare the frequency of incidents at intersections along a corridor compared to the regional average crash rate. The likelihood of an incident reflects safety concerns and crash induced congestion.

*Pavement Management*

In early 2008, the City of Rio Rancho established MicroPaver as the city’s Pavement Management System. MicroPaver is a product of the US Army Corps of Engineers, originally designed to manage the Department of Defense’s vast inventory of pavements on military bases and airfields. The system uses inspection data and a pavement condition index rating from 0 to 100 to consistently and accurately describing a pavement’s condition.

Since the initial establishment of MicroPaver, the Department of Public Works (DPW), Engineering Division has collected road assessment data from one council district per year. It remains the intention of the Engineering Division to



assess more than one council district per year as recurring personnel and budget resources allow. The more districts that are assessed annually, the more accurate the city’s overall evaluation of its road network is. The fiscal year 2018 budget included one-time revenue used by DPW to obtain an inspection consultant to assess all paved roadways within the city excluding NMDOT or US routes. The data was collected and converted to condition indices for each roadway segment in February 2018. The Engineering Division uses the condition indices and distresses data to determine the appropriate treatments for the individual roadway segments. The treatments will be developed into projects and included each year in the city’s Budget and Infrastructure and Capital Improvement Plan (ICIP). The graph and table below present pavement condition statistics based on assessments conducted in 2017 and represents a new baseline for the city’s road network. The percentage of roads rated good and satisfactory increased by 10 percent (10%) relative to last year’s data.

<b>Pavement Condition by Classification and Rating</b>				
<b>Pavement Condition Rating</b>	<b>System Level Roads</b>		<b>Non-System Level Roads</b>	<b>Total Road System</b>
	<b>Arterial (Principal and Minor): 107 Segments</b>	<b>Collector: 161 Segments</b>	<b>Residential: 1,553 Segments</b>	<b>1,821 Segments</b>
Good	29.9%	25.5%	25.0%	25.4%
Satisfactory	47.7%	55.9%	57.1%	56.5%
Fair	12.1%	13.7%	11.5%	11.7%
Poor	7.5%	1.9%	4.8%	4.7%
Very Poor	1.9%	2.5%	0.8%	1.0%
Serious	0.9%	0.6%	0.8%	0.8%
Failed	0.0%	0.0%	0.0%	0.0%

**Repair and Maintenance Programs/Activities**

Operating expenditures for roadway repair and maintenance, traffic operations and maintenance, and roadway engineering (including drainage infrastructure) have averaged \$5.3 million (real dollars) per year over the last three years. Annual expenditures had declined steadily from fiscal year 2009 through fiscal year 2013 due to recessionary pressures on the city’s budget; however fiscal year 2014 marked a reversal of this trend as a modest economic recovery began to take hold and the city resumed making larger investments to maintain its road and drainage infrastructure. Historically, ninety percent (90%) of operating expenditures for road and drainage related operations is funded from general fund sources while the remaining ten percent (10 %) comes from municipal gas tax revenue. One time expenditures for new and replacement road crew equipment got a boost in fiscal year 2017 as a result of R50, Enactment 16-49 which authorizes the allocation of seventy percent (70%) of excess general fund revenue at the end of each fiscal year to paved roadway repair. The Department of Public Works, Streets and Right-of-Way Division purchased various vehicle and maintenance equipment items in the amount of \$815,504 to begin implementation of in-house crack patch road repair. The crack patch program continues into fiscal year 2019 with approximately \$205,000 allocated for 10 miles to be repaired by city crews.

**Infrastructure and Capital Improvement Plan Development**

The Department of Public Works, Engineering Division updates its capital improvement plan concurrent with the annual budget process. Current year capital appropriations are requested pursuant to department priorities and are reviewed and approved by the City Manager for inclusion in the recommended budget. Various policy documents and planning tools support the development of the annual Transportation Infrastructure and Capital Improvement Plan (ICIP). The city’s Transportation Policy, adopted in October of 2004 and the city’s Comprehensive Plan,

Transportation Element, adopted in November 2010 provide the practical and legal context for development of the transportation/road network.

While the aforementioned documents guide high level decision making about the physical development of the community and related transportation infrastructure, the city's 2017-2022 Strategic Plan sets forth more specific goals and objectives for meeting critical road infrastructure needs and addressing challenges related to the transportation/road network. More specifically, strategic goals for Economic Vitality and Infrastructure have established the following objectives related to transportation infrastructure development:

- Make strategic and targeted public infrastructure improvements. More specifically, prioritize infrastructure improvements on already identified key development areas, and identify areas of the city that have high development potential with infrastructure deficiencies.
- Update the Comprehensive Plan that establishes policy for the physical development of the city.
- Complete annual assessment of road infrastructure, create a prioritized list of improvements, and safety enhancements, and take action with available resources including:
  - Annual crack patch and sealing a minimum of 10 lane miles of paved roads
  - Continually explore and seek opportunities to increase available resources that allow maintenance work to be completed at optimal levels
- Leverage resources on an ongoing basis and initiate contact with other entities to compare approaches and explore sharing resources to increase output and maximize efficiencies.
- Develop a prioritized list of traffic improvement-related projects for inclusion in the ICIP and seek funding on an ongoing basis to implement the plan
- Continue a recurring bond cycle to address road infrastructure needs
- Address citizen infrastructure related concerns in a timely and empathetic manner on an ongoing and consistent basis.

Lastly, the Transportation Improvement Plan (TIP) approved by the MRCOG programs state and federal funds for projects within the Albuquerque Metropolitan Planning Area (AMPA). The city assists in the TIP development process through staff participation and Metropolitan Transportation Board (MTB) representation. The approved TIP and amendments thereto are incorporated into the city's ICIP.

## Developer Contributions

The city's updated Impact Fee Plan and Ordinance (O-9, Enactment 17-12), adopted in 2017 requires developers to pay impact fees or provide physical improvements in lieu of impact fees valued at the following amounts effective July 1, 2018:

- Single Family Residential: \$3,118
- Multi-Family Residential: \$2,184.50
- Commercial: \$1,729/1,000 square foot
- Office/Institutional: \$748.50/1,000 square foot
- Industrial: \$473/1,000 square foot

These fees have been discounted from the Impact Fee Study's recommended unit costs. The recommended unit costs represent new development's proportionate share of planned road projects that add capacity to the transportation/road network and are attributable to new development. The impact fee amounts were adjusted from the Impact Fee Study recommendations based on:

- Heavily weighting market competitiveness with Albuquerque

- Heavily weighting need to attract commercial/retail to the community to grow gross receipts tax based
- Maintaining the integrity of existing held credits
- Capital project needs of the city
- Best available data
- Providing predictability to developers
- Phase in changes to impact fees amounts over time

Impact fee assessments collected as cash revenue are used to construct system level road improvements in the citywide service area. Currently, twenty percent (20%) of road impact fee assessments generated by annual development activity are collected as revenue. System level road infrastructure is accepted by the city in exchange for impact fee credits granted to developers via development agreements. There are a significant number of road impact fee credits outstanding and the city currently accepts credits for eighty percent (80%) of assessments generated by annual development activity. Developer contributions and dedications since fiscal year 2010 include:

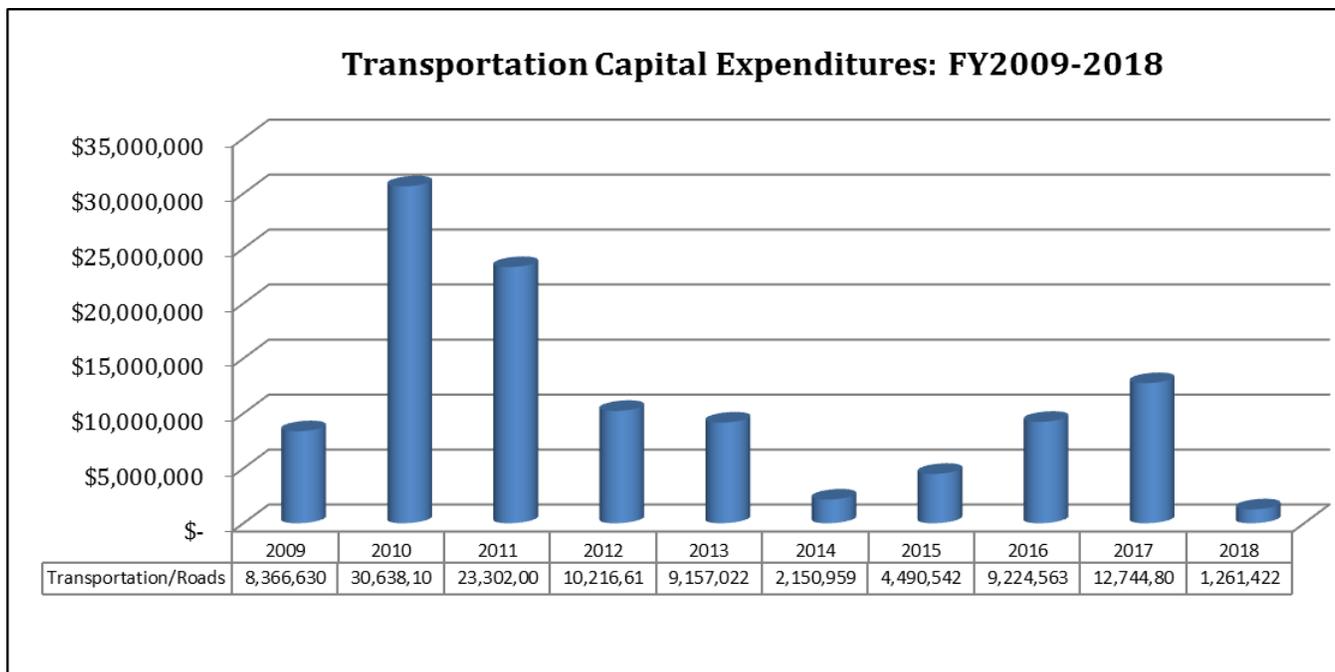
- Northern Meadows (Unit 19): 1.61 centerline miles
- High Range III: 1.53 centerline miles
- Diamond Ridge: 2.78 centerline miles
- Cabezon Tract 1A: 3.58 centerline miles
- Cabezon Communities Tract 11: 0.17 centerline miles
- High Range-40th Street: 0.136 centerline miles
- Loma Colorado Realignment: 0.31 centerline miles
- Terraza/Loma Colorado Roundabout: 0.15 centerline miles
- Loma Colorado/Rio Rancho High school and Broadmoor Boulevard/Country Club Drive Roundabouts: 0.14 centerline miles
- Cielo Norte I: 3.4 centerline miles
- Cielo Norte I: 0.38 centerline miles
- Loma Colorado 9B: 0.1875 centerline miles
- Loma Colorado Prado I and II: 0.03 centerline miles
- Sandoval Regional Medical Center: 0.3 centerline miles
- The Village @ Rio Rancho: 0.47 centerline miles
- Cielo Norte 3 and 4: 0.29 centerline miles
- Loma Colorado Commercial Area: 0.08 centerline miles
- Solcito Phase I: 0.63 centerline miles
- Loma Colorado Phase 3-La Meseta: 0.39 centerline miles
- Lomas Encantadas Phase 2A: 0.3 centerline miles
- Lomas Encantadas Phase 2F: 0.47 centerline miles
- Lomas Encantadas Phase 3A: 0.55 centerline miles
- Patchogue: 0.06 centerline miles
- Rust Medical Center: 0.24 centerline miles
- Rio Rancho Public Schools Bus Depot: 0.39 centerline miles
- Acapulco Phase 1: 0.08 centerline miles
- Alberta Phase 2: 0.53 centerline miles

**Funding Sources**

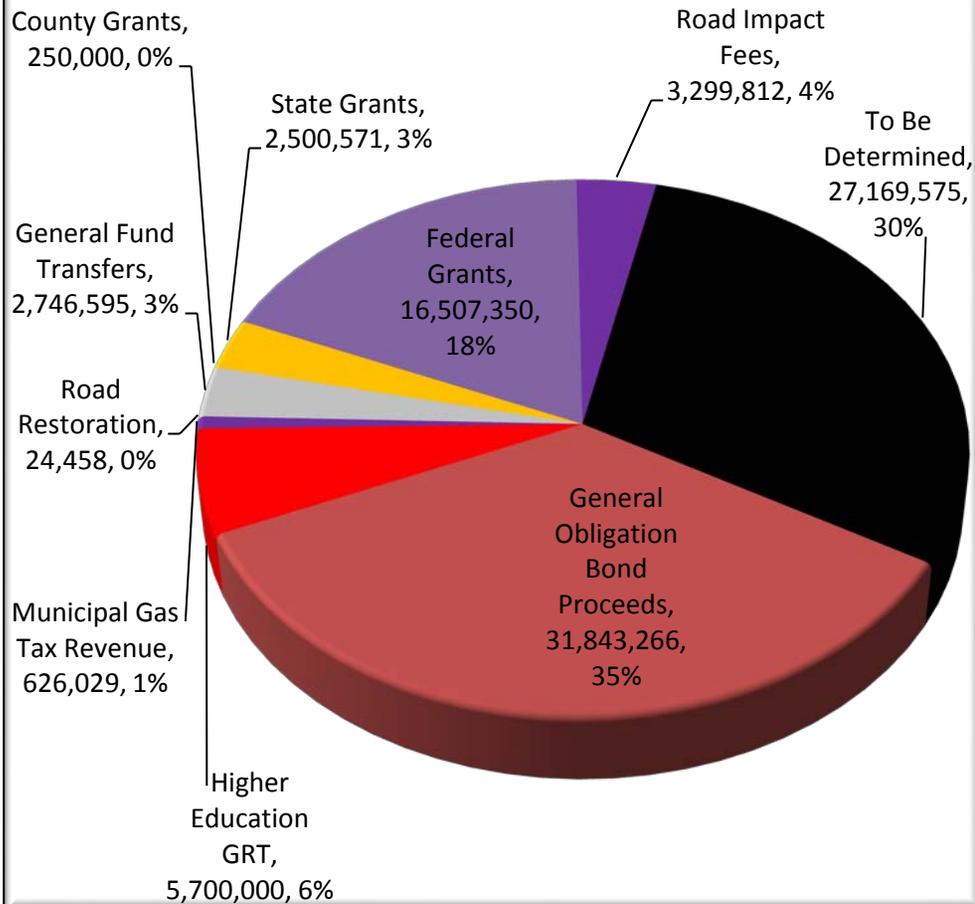
Transportation capital projects are funding through various sources, including:

- Intergovernmental grants
- General Obligation Bond Proceeds
- Road Impact Fees
- General Fund Transfers
- Revenue Bond and Loan Proceeds

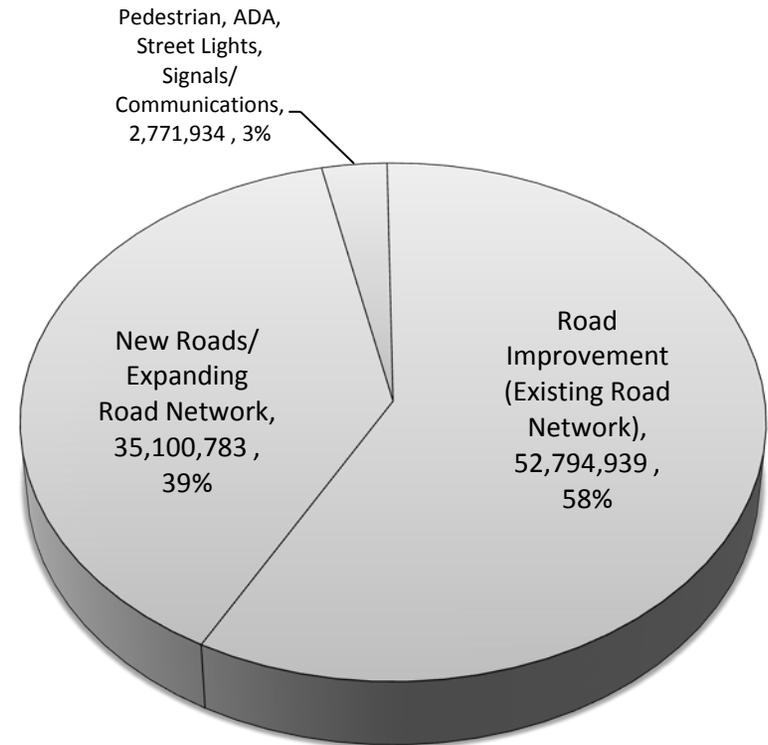
Capital spending for transportation/roadway infrastructure reached a ten-year peak of \$30 million (real dollars) in fiscal year 2010 following the issuance of general obligation bonds approved by voters in March 2009. In the same year, the city also began construction of the Paseo del Volcan extension from Iris Rd. to US 550. The \$22.8 million project was completed in fiscal year 2011 and was funded primarily with federal grants, including a \$14 million American Recovery and Reinvestment Act (ARRA) grant. In recent years, intergovernmental grants have been the major funding sources for transportation projects accounting for more than fifty percent (50%) of total expenditures. Another twenty-five percent (25%) of the capital program has been supported by general obligation bonds thanks to resumption of the bond cycle in 2016. General fund transfers and road impact fee capital expenditures have declined in absolute terms since the mid 2000s due to slowed growth and fiscal pressures brought about by the economic downturn and subsequent modest recovery, however their relative contribution to the program has remained unchanged at approximately ten percent (10%) of spending. Recent general fund transfers have fully or partially funded several high priority road projects, including Riverview Drive and 17<sup>th</sup> Avenue rehabilitation, design of Southern Boulevard Reconstruction from NM 528 to Golf Course Road, and Meadows Boulevard reconstruction. Investment in transportation infrastructure is expected to increase in the coming years due to a large federal grant award for Southern Boulevard reconstruction (\$9.5 million) and voter approval of \$10 million in general obligation bonds for roadway rehabilitation and reconstruction through the city.



**Financing Sources**



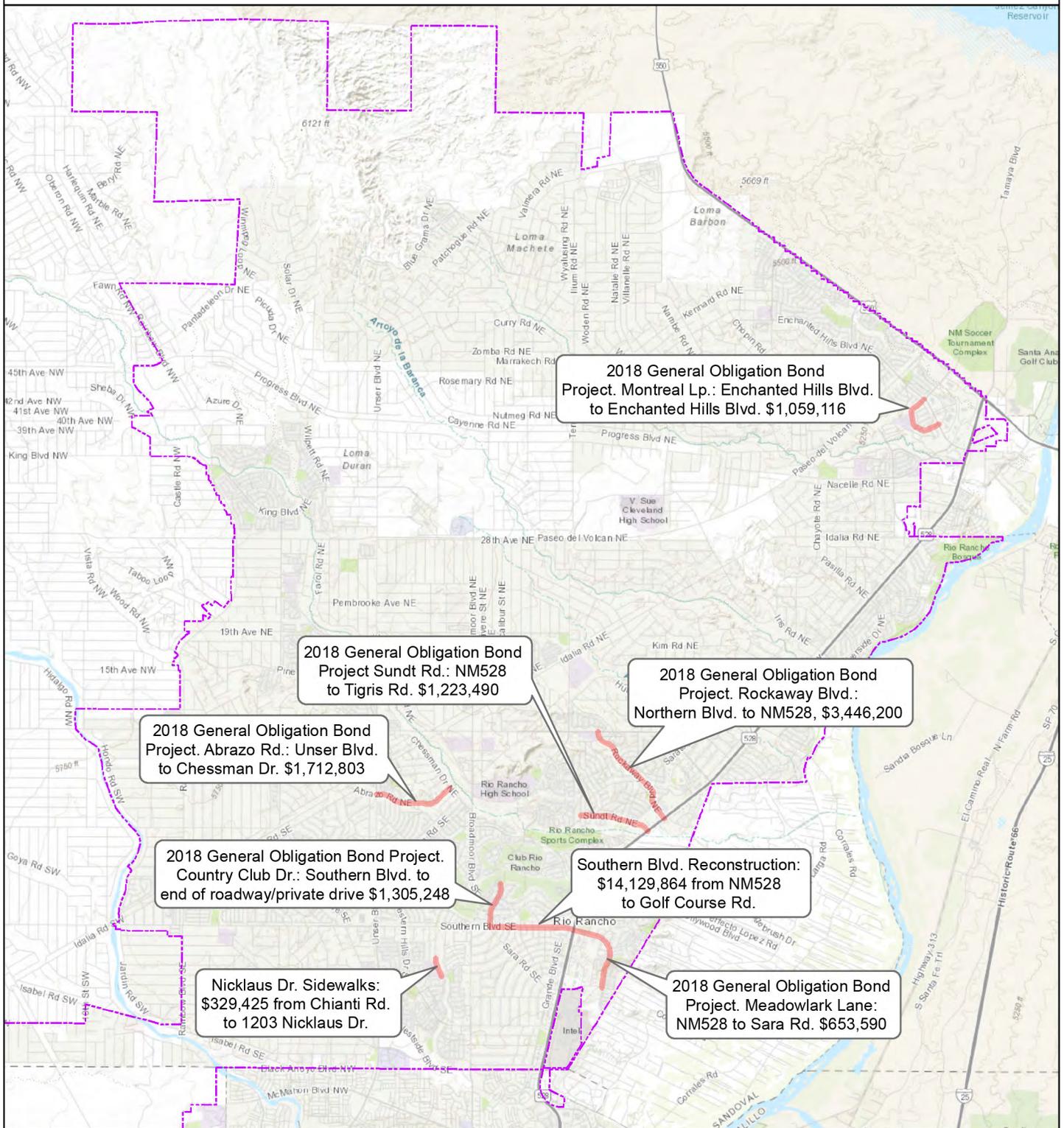
**Financing Uses**



**GRAND TOTAL:**

**90,667,655**

# FY2019 ICIP: TRANSPORTATION



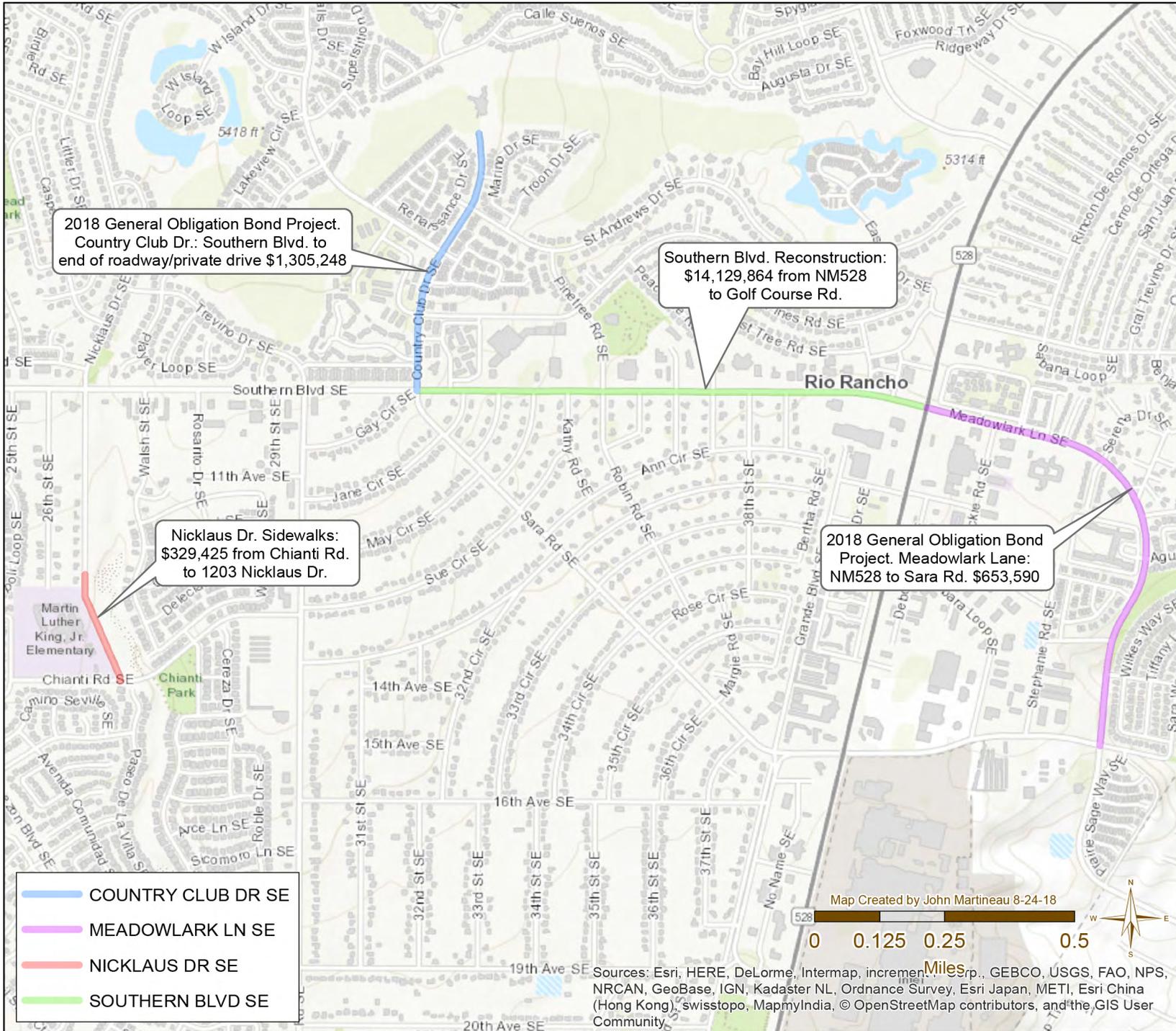
Map Created by John Martineau 8-24-18



— Project Location  
 - - - City Boundary

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# FY2019 ICIP: TRANSPORTATION



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# FY2019 ICIP: TRANSPORTATION



2018 General Obligation Bond Project. Rockaway Blvd.: Northern Blvd. to NM528, \$3,446,200

2018 General Obligation Bond Project Sundt Rd.: NM528 to Tigris Rd. \$1,223,490

— ROCKAWAY BLVD NE  
— SUNDT RD NE

Map Created by John Martineau 4-6-18

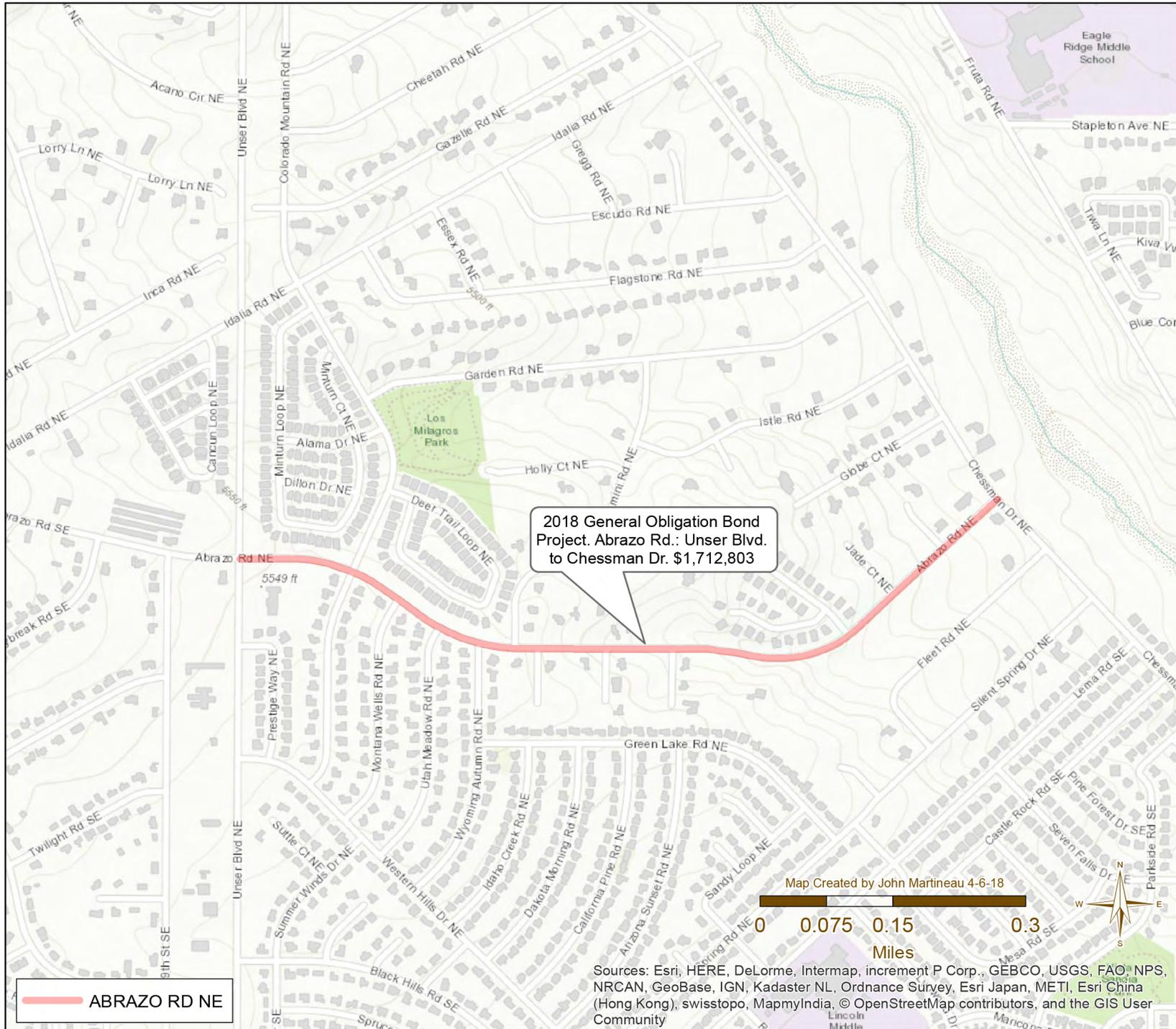
0 0.1 0.2 0.4  
Miles

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



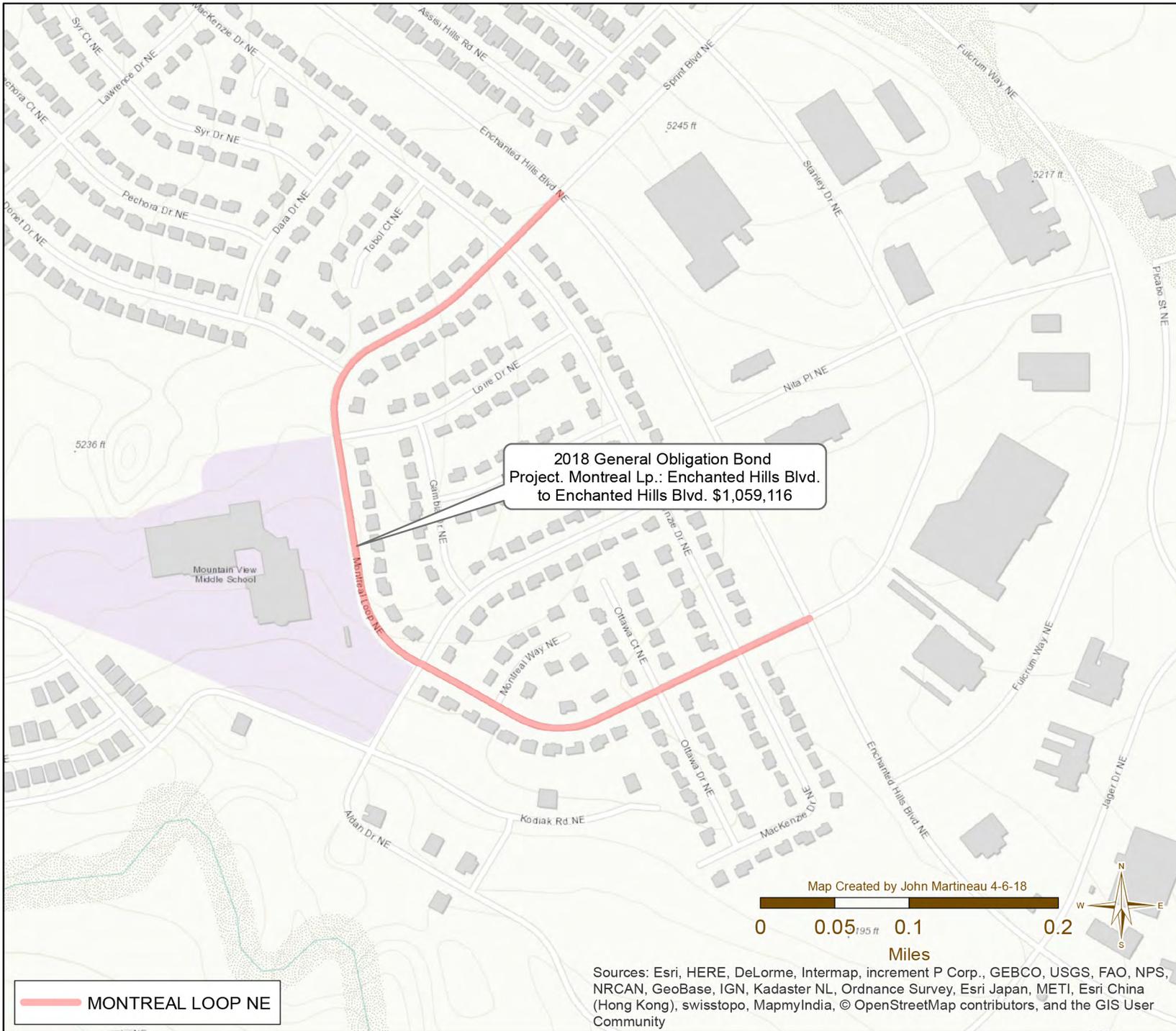
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# FY2019 ICIP: TRANSPORTATION



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# FY2019 ICIP: TRANSPORTATION



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**FY2019 ICIP: Transportation**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>1</b>	<b>Southern Blvd. Reconstruction</b>	<b>2,192,009</b>	<b>4,235,527</b>	<b>9,894,337</b>	<b>14,129,864</b>	-	-	-	-	-	<b>14,129,864</b>
	Preliminary Design	1,097,739			-						-
	Design and Engineering	955,249	2,695		2,695						2,695
	Land Acquisition	101,767	665		665						665
	Construction		3,507,031	9,894,337	13,401,368						13,401,368
	Other	37,255			-						-
	Construction Management		725,136		725,136						725,136
	<b>Total</b>	<b>2,192,009</b>	<b>4,235,527</b>	<b>9,894,337</b>	<b>14,129,864</b>	-	-	-	-	-	<b>14,129,864</b>
	Road Restoration (270-0000-443-7024)		3,000	6,458	9,458						9,458
	General Fund Transfer (305-0000-442-7010)	1,238,901	461,099		461,099						461,099
	MAP and SandCo. (305-0000-442-7010)		725,000		725,000						725,000
	State Grant (305-0000-442-7010)			305,760	305,760						305,760
	Federal Grants STP-U (305-0000-442-7401)	814,336		9,516,946	9,516,946						9,516,946
	General Obligation Bonds (330-0000-441-7010)	138,773	2,330,129	65,173	2,395,302						2,395,302
	Impact Fees (351-0000-442-7010)		716,299		716,299						716,299
	<b>Total</b>	<b>2,192,009</b>	<b>4,235,527</b>	<b>9,894,337</b>	<b>14,129,864</b>	-	-	-	-	-	<b>14,129,864</b>
<b>2</b>	<b>Nicklaus Dr. SE Sidewalks: Chianti Rd. to 1203 Nicklaus Dr.</b>	<b>16,716</b>	<b>329,425</b>	-	<b>329,425</b>	-	-	-	-	-	<b>329,425</b>
	Design and Engineering	16,716	47,999		47,999						47,999
	Construction		281,426		281,426						281,426
	<b>Total</b>	<b>16,716</b>	<b>329,425</b>	-	<b>329,425</b>	-	-	-	-	-	<b>329,425</b>
	Federal Grants TAP (305-0000-442-7010)	14,282	281,461		281,461						281,461
	General Obligation Bonds (330-0000-441-7010)	2,434	47,964		47,964						47,964
	<b>Total</b>	<b>16,716</b>	<b>329,425</b>	-	<b>329,425</b>	-	-	-	-	-	<b>329,425</b>



**FY2019 ICIP: Transportation**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>3</b>	<b>Roadway General Obligation Bond Projects</b>	<b>7,294,548</b>	<b>9,800,000</b>		<b>9,800,000</b>		<b>9,800,000</b>		<b>9,800,000</b>		<b>29,400,000</b>
	General Obligation Bond Proceeds	7,294,548	9,800,000	-	9,800,000	-	9,800,000	-	9,800,000	-	29,400,000
<b>4</b>	<b>Pavement Preservation, Rehabilitation, and Reconstruction Programs</b>	<b>1,017,814</b>	<b>535,496</b>	-	<b>535,496</b>	<b>1,000,000</b>	-	<b>1,000,000</b>	-	<b>1,000,000</b>	<b>3,535,496</b>
	Capital Improvement	659,074	535,496		535,496	1,000,000		1,000,000		1,000,000	3,535,496
	Major Repair	358,741			-						-
	Total	1,017,814	535,496	-	535,496	1,000,000	-	1,000,000	-	1,000,000	3,535,496
	Municipal Gas Tax Revenue (Fund 270)	64,000			-						-
	Road Restoration Funds (Fund 270)	13,498			-						-
	General Fund Transfer (Fund 305)	940,316	285,496		285,496	1,000,000		1,000,000			2,285,496
	County Grants (Fund 305)		250,000		250,000						250,000
	To Be Determined				-	-	-	-	-	1,000,000	1,000,000
	Total	1,017,814	535,496	-	535,496	1,000,000	-	1,000,000	-	1,000,000	3,535,496
<b>5</b>	<b>Unser Blvd.-Phase IIB-Cherry Rd. to PdV</b>	<b>1,089,302</b>	<b>462,500</b>	<b>101,124</b>	<b>563,624</b>	<b>1,048,876</b>	<b>17,143,686</b>		-	-	<b>18,756,186</b>
	Land Acquisition	1,089,302	462,500	101,124	563,624	1,048,876					1,612,500
	Design and Engineering				-						-
	Construction				-		15,429,472				15,429,472
	Construction Management				-		1,714,214				1,714,214
	Total	1,089,302	462,500	101,124	563,624	1,048,876	17,143,686	-	-	-	18,756,186
	Federal Grants STP-U (Fund 305)	874,947	300,000		300,000						300,000
	State Grants (Funds 305 & 315)	52,900	162,500		162,500						162,500
	General Obligation Bond Proceeds	148,955			-						-
	Municipal Gas Tax (Fund 270)	8,682			-						-
	General Fund Transfer (Fund 305)	3,818			-						-



**FY2019 ICIP: Transportation**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
	Road Impact Fees (351-0000-442-7009)			101,124	101,124	198,890					300,014
	To Be Determined				-	849,986	17,143,686	-	-	-	17,993,672
	<b>Total</b>	<b>1,089,302</b>	<b>462,500</b>	<b>101,124</b>	<b>563,624</b>	<b>1,048,876</b>	<b>17,143,686</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>18,756,186</b>
<b>6</b>	<b>Broadmoor Blvd. (Champion Rd. to Civic Center Cr.) and Civic Center Circle (Civic Center Cr to Broadmoor Blvd.) Extension</b>		<b>2,500,000</b>		<b>2,500,000</b>	<b>3,200,000</b>					<b>5,700,000</b>
	Higher Education GRT (Fund 263)		2,500,000		2,500,000	3,200,000					5,700,000
<b>7</b>	<b>Lincoln Avenue Improvements-Adams Ln. to Paseo del Volcan</b>	<b>1,108,989</b>	<b>300,735</b>	<b>-</b>	<b>300,735</b>	<b>-</b>	<b>2,173,567</b>	<b>2,377,489</b>	<b>-</b>	<b>-</b>	<b>4,851,791</b>
	Design and Engineering	751,778			-						-
	Land Acquisition	357,211	300,735		300,735						300,735
	Construction				-		2,173,567	2,377,489			4,551,056
	Construction Management				-						-
	<b>Total</b>	<b>1,108,989</b>	<b>300,735</b>	<b>-</b>	<b>300,735</b>	<b>-</b>	<b>2,173,567</b>	<b>2,377,489</b>	<b>-</b>	<b>-</b>	<b>4,851,791</b>
	Federal Grants (Fund 305)	400,000			-		1,857,096	2,031,327			3,888,423
	State Capital Outlay Appropriation (Fund 315)	500,224	300,735		300,735						300,735
	General Obligation Bond Proceeds	46,900			-						-
	Road Impact Fees (Fund 351)	161,865			-		316,471	346,162			662,633
	<b>Total</b>	<b>1,108,989</b>	<b>300,735</b>	<b>-</b>	<b>300,735</b>	<b>-</b>	<b>2,173,567</b>	<b>2,377,489</b>	<b>-</b>	<b>-</b>	<b>4,851,791</b>



**FY2019 ICIP: Transportation**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>8</b>	<b>Veranda Road Safety Improvements</b>	<b>44,325</b>	-	-	-	<b>729,579</b>	-	-	-	-	<b>729,579</b>
	Design and Engineering	44,325			-						-
	Construction			-	-	579,884					579,884
	Construction Management				-	149,695					149,695
	<b>Total</b>	<b>44,325</b>	-	-	-	<b>729,579</b>	-	-	-	-	<b>729,579</b>
	Road Impact Fees (Fund 351)	44,325			-						-
	To Be Determined				-	729,579					729,579
	<b>Total</b>	<b>44,325</b>	-	-	-	<b>729,579</b>	-	-	-	-	<b>729,579</b>
<b>9</b>	<b>Northern Blvd. Widening Phase II Design and R/W (Broadmoor Blvd. to Unser Blvd.)</b>	-	-	-	-	-	<b>2,640,000</b>	-	-	-	<b>2,640,000</b>
	Land Acquisition				-	1,320,000					1,320,000
	Design and Engineering				-	1,320,000					1,320,000
	<b>Total</b>	-	-	-	-	-	<b>2,640,000</b>	-	-	-	<b>2,640,000</b>
	Federal Grants (Fund 305)				-	2,255,616					2,255,616
	Road Impact Fees (Fund 351)				-	384,384					384,384
	<b>Total</b>	-	-	-	-	-	<b>2,640,000</b>	-	-	-	<b>2,640,000</b>
<b>10</b>	<b>Broadmoor Blvd. Extension Phase II R/W (Northern Blvd. to PDV)</b>			-	-				<b>809,180</b>	<b>2,343,626</b>	<b>3,152,806</b>
	Road Impact Fees (351-0000-442-7009)			-	-				809,180	427,302	1,236,482
	To Be Determined				-				-	1,916,324	1,916,324
	<b>Total</b>	-	-	-	-	-	-	-	<b>809,180</b>	<b>2,343,626</b>	<b>3,152,806</b>



**FY2019 ICIP: Transportation**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
11	<b>Southern Blvd. Reconstruction Phase II-Golf Course Rd. to Unser Blvd.-Design</b>				-					5,000,000	5,000,000
	To Be Determined				-					5,000,000	5,000,000
	<b>Total</b>	-	-	-	-	-	-	-	-	5,000,000	5,000,000
12	<b>ADA Sidewalk Improvements</b>	<b>280,715</b>	<b>286,132</b>	<b>178,816</b>	<b>464,948</b>	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>	<b>1,014,948</b>
	Capital Improvement	208,041	286,132	178,816	464,948	110,000	110,000	110,000	110,000	110,000	1,014,948
	Major Repair	72,674			-						-
	<b>Total</b>	<b>280,715</b>	<b>286,132</b>	<b>178,816</b>	<b>464,948</b>	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>	<b>1,014,948</b>
	Municipal Gas Tax Revenue (Fund 270)	70,178	39,177	35,000	74,177	35,000	35,000	35,000	35,000	35,000	249,177
	State Grants/LGRF (Fund 305)	210,536	125,867		125,867	75,000	75,000	75,000	75,000	75,000	500,867
	Federal Grants (Fund 375)		121,088	143,816	264,904						264,904
	<b>Total</b>	<b>280,715</b>	<b>286,132</b>	<b>178,816</b>	<b>464,948</b>	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>	<b>1,014,948</b>
13	<b>Meadowlark ADA Improvements</b>	<b>193,330</b>			-	<b>530,000</b>					<b>530,000</b>
	Municipal Gas Tax Revenue (Fund 270)	2,387			-						-
	Road Restoration (270-0000-443-7024)	19,635			-						-
	State Grants/MAP (Fund 305)	171,308			-						-
	To Be Determined				-	530,000					530,000
	<b>Total</b>	<b>193,330</b>	-	-	-	<b>530,000</b>	-	-	-	-	<b>530,000</b>



## FY2019 ICIP: Transportation

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>14</b>	<b>Pedestrian Safety Improvements</b>	<b>133,156</b>	<b>47,490</b>	<b>10,000</b>	<b>57,490</b>	<b>21,250</b>	<b>21,250</b>	<b>21,250</b>	<b>21,250</b>	<b>21,250</b>	<b>163,740</b>
	Capital Improvement	132,064	47,490	10,000	57,490	21,250	21,250	21,250	21,250	21,250	163,740
	Repair and Equipment	1,092			-						-
	<b>Total</b>	<b>133,156</b>	<b>47,490</b>	<b>10,000</b>	<b>57,490</b>	<b>21,250</b>	<b>21,250</b>	<b>21,250</b>	<b>21,250</b>	<b>21,250</b>	<b>163,740</b>
	State Grants/LGRF (Fund 305)	85,668	27,990		27,990	11,250	11,250	11,250	11,250	11,250	84,240
	Municipal Gas Tax Revenue (Fund 270)	38,236	19,500	10,000	29,500	10,000	10,000	10,000	10,000	10,000	79,500
	General Obligation Bond Proceeds	9,252			-						-
	<b>Total</b>	<b>133,156</b>	<b>47,490</b>	<b>10,000</b>	<b>57,490</b>	<b>21,250</b>	<b>21,250</b>	<b>21,250</b>	<b>21,250</b>	<b>21,250</b>	<b>163,740</b>
<b>15</b>	<b>New Streetlights/Street Light Upgrades</b>	<b>-</b>	<b>116,821</b>	<b>24,500</b>	<b>141,321</b>	<b>45,000</b>	<b>45,000</b>	<b>45,000</b>	<b>45,000</b>	<b>55,000</b>	<b>376,321</b>
	Capital Improvement		112,271	24,500	136,771	45,000	45,000	45,000	45,000	55,000	371,771
	Minor Equipment and Improvements		4,550		4,550						4,550
	<b>Total</b>	<b>-</b>	<b>116,821</b>	<b>24,500</b>	<b>141,321</b>	<b>45,000</b>	<b>45,000</b>	<b>45,000</b>	<b>45,000</b>	<b>55,000</b>	<b>376,321</b>
	State Grants/LGRF (Fund 305)		68,969		68,969	30,000	30,000	30,000	30,000	30,000	218,969
	Municipal Gas Tax Revenue (Fund 270)		47,852	24,500	72,352	15,000	15,000	15,000	15,000	25,000	157,352
	<b>Total</b>	<b>-</b>	<b>116,821</b>	<b>24,500</b>	<b>141,321</b>	<b>45,000</b>	<b>45,000</b>	<b>45,000</b>	<b>45,000</b>	<b>55,000</b>	<b>376,321</b>
<b>16</b>	<b>Intelligent Traffic Systems (ITS) Upgrades</b>	<b>184,359</b>	<b>33,750</b>	<b>25,000</b>	<b>58,750</b>	<b>48,750</b>	<b>58,750</b>	<b>58,750</b>	<b>58,750</b>	<b>58,750</b>	<b>342,500</b>
	Capital Improvement	166,569			-	48,750	58,750	58,750	58,750	58,750	283,750
	Minor Equipment and Improvements	17,791	33,750	25,000	58,750						58,750
	<b>Total</b>	<b>184,359</b>	<b>33,750</b>	<b>25,000</b>	<b>58,750</b>	<b>48,750</b>	<b>58,750</b>	<b>58,750</b>	<b>58,750</b>	<b>58,750</b>	<b>342,500</b>
	State Grants/LGRF (Fund 305)	108,803	33,750		33,750	33,750	33,750	33,750	33,750	33,750	202,500
	Municipal Gas Tax Revenue (Fund 270)	75,556		25,000	25,000	15,000	25,000	25,000	25,000	25,000	140,000
	<b>Total</b>	<b>184,359</b>	<b>33,750</b>	<b>25,000</b>	<b>58,750</b>	<b>48,750</b>	<b>58,750</b>	<b>58,750</b>	<b>58,750</b>	<b>58,750</b>	<b>342,500</b>



**FY2019 ICIP: Transportation**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
17	Road Restoration	35,489			-	3,000	3,000	3,000	3,000	3,000	15,000
	Road Restoration (Fund 270)	35,489			-	3,000	3,000	3,000	3,000	3,000	15,000
	<b>GRAND TOTAL</b>	<b>13,590,751</b>	<b>18,647,875</b>	<b>10,233,777</b>	<b>28,881,652</b>	<b>6,736,455</b>	<b>31,995,253</b>	<b>3,615,489</b>	<b>10,847,180</b>	<b>8,591,626</b>	<b>90,667,655</b>
	General Obligation Bond Proceeds	7,640,862	12,178,093	65,173	12,243,266	-	9,800,000	-	9,800,000	-	31,843,266
	Higher Education GRT	-	2,500,000	-	2,500,000	3,200,000	-	-	-	-	5,700,000
	Municipal Gas Tax Revenue	259,040	106,529	94,500	201,029	75,000	85,000	85,000	85,000	95,000	626,029
	Road Restoration	68,622	3,000	6,458	9,458	3,000	3,000	3,000	3,000	3,000	24,458
	General Fund Transfers	2,183,035	746,595	-	746,595	1,000,000	-	1,000,000	-	-	2,746,595
	County Grants	-	600,000	-	600,000	-	-	-	-	-	250,000
	State Grants	1,129,439	1,094,811	305,760	1,400,571	150,000	150,000	150,000	150,000	150,000	2,500,571
	Federal Grants	2,103,565	702,549	9,660,762	10,363,311	-	4,112,712	2,031,327	-	-	16,507,350
	Road Impact Fees	206,190	716,299	101,124	817,423	198,890	700,855	346,162	809,180	427,302	3,299,812
	To Be Determined	-	-	-	-	2,109,565	17,143,686	-	-	7,916,324	27,169,575

<b>TRANSPORTATION</b>			
<b>PROJECTS UNDER CONSIDERATION</b>			
<b>Rank</b>	<b>Project Name</b>	<b>Fiscal Year(s)</b>	<b>Project Estimate</b>
18	Northern Blvd. Widening Phase II-Broadmoor Blvd. to Unser Blvd. Construction	2022	\$ 14,850,436
19	Lincoln Ave. Improvements-Full Build Out (Adams Ln. to PdV)	2023	\$ 12,620,552
20	Southern Blvd. Reconstruction Phase II-Golf Course Rd. to Unser Blvd.	2024	\$ 28,265,300
21	Southern Blvd. Widening-15th St. to Rainbow Blvd.	2024	\$ 49,542,500
22	Intersection Improvements / King Blvd. at Wilpett	2020-2021	\$ 1,376,866
23	Zenith Court	2020-2021	\$ 1,348,933
24	Right turn lane -Eastbound PDV at Broadmoor	2020	\$ 179,495
25	Right turn lane -Westbound Southern at Baltic Ave	2020	\$ 108,785
26	Loma Colorado Blvd. Extension-Aloe Circle to PdV	2020-2021	\$ 6,298,312
27	Unser Blvd. Widening-Phase IIC-King Blvd. to Progress Blvd.	2023	\$ 15,333,816
28	Broadmoor Extension Phase II-Northern Blvd. to PdV	2024	\$ 23,294,026
29	Westside Blvd. Phase III-Design, Construct, and Right of Way from Unser Blvd. to Rainbow Blvd.	2020-2021	\$ 16,663,714
30	Baltic Avenue Sidewalk from Southern Blvd. to Pecos Loop	2020	\$ 460,000
31	Pecos Loop Sidewalks from Rainbow Blvd. to Baltic Ave.	2020	\$ 550,000
32	Annual Structural Crack Seal Program	2020-2024	\$ 4,172,000
33	Roadway Pavement Preservation, Rehabilitation, and Reconstruction Programs	2020-2024	\$ 72,707,665
34	Unser Blvd. Access Management Plan: Southern Blvd. to Abrazo Rd.	2020-2021	\$ 9,851,833
35	Unser Rehab and Shoulders-Progress Blvd. to Northwest Lp.	2020	\$ 1,468,596
36	College Blvd.-King Blvd. to Center Dr.	2021	\$ 1,605,042
37	Nicklaus Dr (27th Street) Improvements	2020-2021	\$ 1,145,421
38	Loma Colorado Trail-Huron to RRMS	2020	\$ 85,000
39	Traffic Signal at Pasilla Rd. and NM Hwy 528	2022	\$ 489,532

<b>TRANSPORTATION</b>			
<b>PROJECTS UNDER CONSIDERATION</b>			
<b>Rank</b>	<b>Project Name</b>	<b>Fiscal Year(s)</b>	<b>Project Estimate</b>
40	Intersection Improvements-King Blvd. at 10th St.	2020	\$ 598,317
41	King Blvd. Construction-Unser Blvd. to Wilpett Rd.	2020-2021	\$ 2,367,159
42	Chayote Rd. Improvements	2020-2021	\$ 3,050,329
43	Arena Dr.-Unser Blvd. to HP Way	2021-2022	\$ 4,471,059
44	Franklin Rd.-Curtis Ct. to Sandia Elementary	2021	\$ 1,457,718
45	City Center Parking Lots (Lower City Center)	2022	\$ 447,378
46	Loma Colorado Raised Medians-Northern Blvd. to Broadmoor Blvd.	2022	\$ 1,958,128
47	Pine Rd. and 10th St. Intersection Improvements	2022	\$ 271,962
48	Center Blvd.-Champion Dr.. to PdV	2020	\$ 1,468,596
49	Rainbow Corridor Study-RR/ABQ Boundary to Southern Blvd.	2022	\$ 1,087,849
50	Encantado Channel Bridge Crossing	2022	\$ 815,887
51	Lakeview Rehabilitation	2022	\$ 1,105,620
52	Paseo del Volcan-Meadows Blvd. to Unser Blvd.	2022	\$ 4,070,766
53	City Center Sidewalks Phase II-Unser Blvd. to Existing Sidewalks	2022	\$ 815,887
54	Sara Rd. Sidewalk from NM528 to Meadowlark Ln.	2022	\$ 207,347
55	Unser Blvd. Right Turn Lane onto Commercial Dr.	2020	\$ 328,898
56	Sara Rd./Meadowlark Ln. Roundabout	2022	\$ 1,676,621
	<b>TOTAL</b>		<b>\$ 288,617,345</b>

**Completed Projects**

**Meadowlark Lane American with Disabilities Act (ADA) Sidewalk Improvements (PW1736)**

The project replaced thirty three (33) ADA deficient curb ramps from NM 528 to Sara Road and improved sidewalks on the north side of Meadowlark Lane from Sara Way to Riverview Drive. Construction work was completed in December 2017 utilizing local state grant funds in the amount of \$171,308 and municipal gas tax funds in the amount of \$22,022.



**Intelligent Traffic Systems (ITS) Upgrades (PW1746)**

The project installed fiber optic communications cable on Unser Boulevard from Spring Drive to Abrazo Road (approximately 0.92 miles) at a total cost of \$122,634. Construction work was completed in January 2018 utilizing local government road funds in the amount of \$70,106 and municipal gas tax funds in the amount of \$52,528.

**Works in Progress**

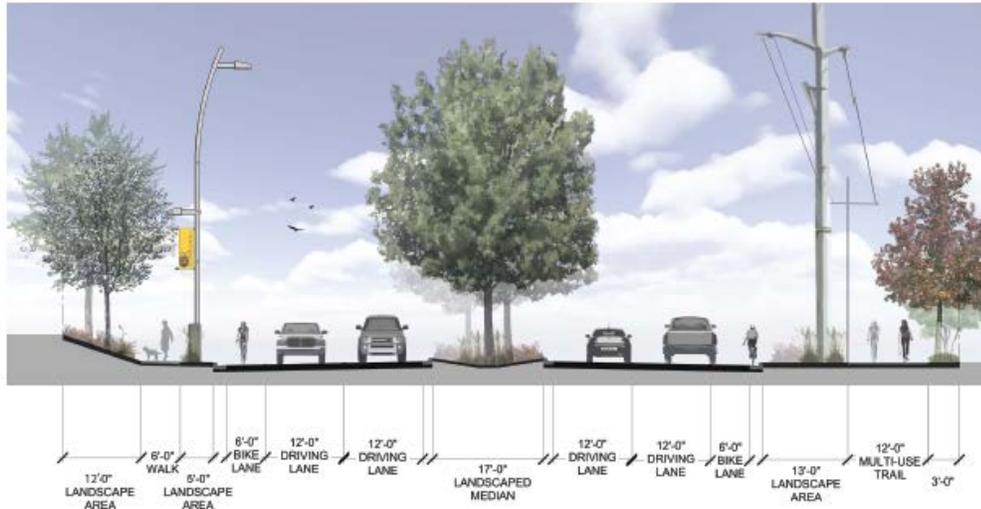
**Lincoln Ave. Extension Phase I-Adams Lane to Chayote Road and Phase II-Chayote Road to Paseo del Volcan (PI0804, PW1239, PW1799)**

Design for the Lincoln Avenue Extension project from Chayote Road to Adams Lane was completed in November 2009 with funding obtained in fiscal year 2007 from two state capital outlay appropriations (\$235,960). Title reports were also obtained under the same state appropriations and in fiscal year 2012, the city purchased a land parcel required for drainage improvements associated with the future road project utilizing drainage impact fees (\$40,984). Design of improvements from Chayote Road to Paseo del Volcan (PdV) was completed in summer 2016 with federal grant funding in the amount of \$400,000, road impact fees in the amount of \$120,882, and 2009 general obligation bond proceeds in the amount of \$3,337. Right-of-way mapping and title work were also completed in fiscal year 2017 at cost of \$43,563, and land acquisition continues into fiscal year 2019. Land acquisition and construction for full build out of the roadway is estimated to be \$17.5 million and the project would extend a vital arterial from Adams Lane in Lomas Encantadas to the PdV restricted access highway. Federal grant funding and road impact fees in the amount of \$4.55 million for Phase I construction for the interim roadway from PdV to Adams Lane are anticipated in fiscal years 2021 and 2022, while full build out of the roadway from PdV to Adams Lane is considered deferred due to lack of funding at this time. City staff is researching the possibility of advance constructing the interim roadway beginning in fiscal year 2020.

**Southern Boulevard Design (PW1384 and PW1625)**

Preliminary design work, including preliminary right-of-way mapping for future improvements to Southern Boulevard from New Mexico Highway 528 (NM528) to Rainbow Road was completed in fall 2015. The resulting design report informed the final construction plans and right-of-way mapping for Phase I improvements from NM528 to Golf Course Road. Phase I design from NM528 to Golf Course

Road commenced in fiscal year 2016 and was completed in early 2018. The city solicited bids for construction in summer 2018 and the project will commence in September 2018 to be completed in twelve months. Total project costs are estimated to be \$16.3 million with



funding consisting of intergovernmental grants (\$11.4 million), 2016 general obligation bond proceeds (\$2.5 million), General Fund sources (\$1.7 million), and other local sources (\$725,757). Water main line replacement and sewer main and service line replacements will be done concurrent with the roadway project and are funded by utility net revenue in the amount of \$2,481,693.

**General Obligation Road Bonds**

Voters approved a \$10 million road bond on March 6, 2018 to continue rehabilitation and reconstruction of the existing road network. The FY2019 ICIP includes a total of \$29.4 million through FY2024 for the purpose of designing, constructing, repairing, preserving, rehabilitating, enhancing and otherwise improving roads in the city. The FY2019 spending plan consists of the following roadway projects and estimated construction start dates:

- Montreal Loop Mill and Inlay: June 2018
- Rockaway Boulevard Reconstruction: November 2018
- Abrazo Road Reconstruction: November 2018



- Meadowlark Lane Mill and Inlay: December 2018
- Sundt Road Mill and Inlay: December 2018
- Country Club Drive Mill and Inlay: March 2019

**Nicklaus Drive Sidewalk Improvements (PW1831)**

Design of curb and gutter, sidewalk, and ADA curb ramp improvements along Nicklaus Drive (formerly 27th Street) from Chianti Road to Southern Boulevard commenced in February 2018 to be completed in fall 2018. The addition of a sidewalk will add a defined access route for children that are being dropped off at Martin Luther King (MLK) Elementary School. Project funding consists of federal grants in the amount of \$295,743 and 2016 general obligation bond proceeds in the amount of \$50,398.

### **Existing Inventory**

The Utilities Department served 34,166 residential and non-residential water customers as of December 31, 2017. Average daily production in thousands of gallons for calendar year 2017 was 9,712. Annual water produced for 2017 was 10,879 acre-feet or 3.5 billion gallons.

The Utilities Department operates and maintains:

- 15 Operating Production Wells
- 4 Non-Operating Production Wells (1, 5, 13 & 23)
- 11 Booster Pump Stations
- 18 Storage Tanks (Storage Capacity: 42 million gallons)
- 1 Reverse Osmosis System
- 10 Arsenic Treatment Facilities, and;
- 579 Miles of Water line

### **Current Capacity and Condition of Assets and Infrastructure**

#### *Production Wells*

The water system inventory includes 19 production wells of varying age, condition, and production capacities. Fifteen wells are in active production status and the city produced 10,879 acre feet of water in calendar year 2017. Wells at different locations may be under repair at any given time. The impact of wells under repair for water production capability depends on their location and the time of year the well breaks down. Well ages generally range from 1969 through 2004 with most wells drilled in the 1980's and 1990's. The conditions of the wells vary from site to site.

#### *Arsenic Treatment Facilities*

In 2003 the U.S. Environmental Protection Agency (EPA) adopted a regulation changing the arsenic standard of 50 micrograms per liter to 10 micrograms per liter of arsenic allowed in drinking water. The EPA action prompted the city to invest in water treatment systems to remove arsenic from the groundwater to meet the Safe Drinking Water Act beginning in 2005. An estimated \$45.4 million was spent between 2005 and 2011 to design, construct, and equip 10 arsenic treatment facilities at various wells throughout the city. Full production at all sites began in fall 2010. The estimated annual operating cost of these arsenic treatment facilities is \$390,000.

#### *Water lines*

The water distribution system consists of approximately 579 miles of water line of various sizes ranging from 6 inches to 24 inches in diameter. In calendar year 2017 there were 50 water main breaks compared with 43 in 2016 and 30 in 2015. Data on the location, size and type of water mains from both the GIS and computerized maintenance management system (CMMS) is actively being used to identify and prioritized water main replacement projects.

### **Repair and Maintenance Programs/Activities**

The Utilities Department annually undertakes three major repair and maintenance programs: well repair, meter replacements, and service line replacements. Beginning in fiscal years 2014 and 2015 respectively, meter replacements and well repair were reclassified as repair and maintenance expenses in the budget to accurately reflect the non-capital nature of annual activities related to installation of automatic meter readers "AMRs," and repair of well casings, motors, and pumps. Expenditures for meter replacement and AMR activities over the last three fiscal years averaged nearly \$600,000 (real dollars) annually and approximately 85 percent (85%) of manual

read meters have been replaced with AMR units since 2006. Expenditures for well repair over the last three years have averaged nearly \$400,000 annually, with work occurring most recently at Wells 2, 3, 6, 12, 16, and 22.

Beginning in fiscal year 2014, the Utilities Department significantly expanded the water service line replacement program utilizing a \$1,075,000 state capital outlay appropriation and nearly \$275,000 of utility net operating revenue to replace 535 service lines. Significant investment in water service lines has continued since the initial expansion of the replacement program and an additional 3,629 lines will have been completed as of July 2018. The service line replacement program is a long-term project involving replacement of approximately 15,000 lines in older established parts of the city. The estimated cost of the project is \$22.5 million. The fiscal year 2018 Budget includes \$1 million for Phase 7 water service line replacement.

**Indicators**

Indicator	Calendar Year				
	2013	2014	2015	2016	2017
Annual Water Production (acre-feet, 1 acre foot equals 325,851 gallons.)	12,739	11,628	10,608	11,054	10,879
Annual Water Production (1,000 of gallons)	4,151,110	3,789,076	3,456,696	3,602,129	3,544,958
System Wide Gallons per Capita per Day (1,000 gallons)	136.31	122.64	111.86	112.89	108.76
Single Family Residential Gallons per Capita per Day (1,000 gallons)	71.90	68.33	65.68	66.91	66.00
Real Loss in gallons per Connection per Day	29.51	37.42	31.59	35.15	28.28
Water Main Breaks per Calendar Year (5 year leak report)	42	38	30	43	50
Water Service Leaks per Calendar Year (5 year leak report)	796	730	696	635	766

*Indicator Analysis*

**Peak Day Demand to Capacity:** Maximum water production capacity with all wells operating is approximately 34 million gallons per day. The peak day demand for the city in 2017 was 19.9 million gallons or fifty-eight percent (58%) of maximum production. Several wells were out of service and/or under repair for various reasons during the year and the city had approximately 27.7 million gallons per day functional production capacity when peak demand occurred in June 2017. The peak of 19.9 million gallons was seventy-two percent (72%) of functional production capacity. The peak demand to capacity ratio increased in 2017 due to an uptick in demand from the previous year. A change in peak demand is a function of population growth, annual weather patterns and drought conditions, and water conservation initiatives. The ratio is affected by fluctuations in system capacity if an active well is out of production or additional well facilities are brought online. The city is at or near the point at which new wells and replacement wells must be completed in order to sustain a reliable water system for existing residents and to accommodate future growth in the residential population and for new and expanding businesses. Future well failures, depending on the location, can potentially trigger a shortage of water and water rationing in the worst-case

scenario. To ensure a reliable water system, the city completed design of the Re-drill Well 13 project in spring 2016 and began drilling activities in summer 2018. The re-drilled well will be equipped thereafter contingent upon new water rates becoming effective in July 2019.

System-wide Gallons per Capita per Day has decreased twenty percent (20%) since 2013 due to declining consumption in the single family residential, city and commercial irrigation, and city, commercial and industrial customer classes. Following a growth trend in consumption in the early part of the 2010 decade, the city experienced three consecutive years of declining consumption followed by modest two percent (2%), and three percent (3%) upticks in 2016 and 2017, respectively. Growth between 2010 and 2012 was presumably driven by prolonged drought conditions, especially for the commercial irrigation customer class. Water conservation behavior, recent wet weather seasons, and slow population growth appear to have had the reverse impact on consumption levels since 2013.

The Utilities Department continues to pursue important water conservation initiatives including installation of automatic meter reading (AMR) water meters, provide water use evaluations requested by customers, and engage in educational outreach, namely the annual Children's Water Festival. Water use evaluations requested by residents have increased from 118 in FY2008 to 839 in FY2017 and 764 in FY2018.

Water main breaks have become more frequent since 2008 when thirty-two occurred. By comparison, an average of forty-seven occurred during the last two calendar years. While the number of line breaks varies from year to year, the overall trend has been an increase over the last ten years as a combination of age, discovery of inferior pipe material, and increases in the areas served by the water distribution system all contribute to the increase in breaks.

### **Water Utility Infrastructure and Capital Improvement Plan (ICIP) Development**

The Utilities Department updates its capital improvement plan concurrent with the annual budget process by which current year capital appropriations are requested pursuant to established departmental priorities for maintaining, expanding, and/or improving water infrastructure and assets. Various departmental plans guide development of the ICIP, including those detailed below. Additionally, asset replacement needs, such as equipment and vehicles are also included in the department's ICIP.

#### *Water Model*

The Utilities Department utilizes a water system model to evaluate service outcomes, make decisions regarding the reliability of the system, and to determine water availabilities for new development. The model is updated periodically by staff with new information about the water system, including changes in capacity and demand. A prudent water system operation requires redundancy in the event of unforeseen circumstances, such as a facility failure, to ensure uninterrupted service to customers (both domestic and commercial service), and fire protection.

#### *Water Master Plan*

The Water Master Plan was originally developed in 1998 and updated in 2011 as the City Limits Ultimate Development Water System Master Plan by BHI. BHI used the existing water system model as the basis for the study. Using projections based on current water use by land usage, the study indicated the city will need 56,000+ acre-feet of water to serve the current city limits at full build-out. By way of comparison the city is currently authorized to pump 26,420 acre-feet annually pursuant to its production permits.

### *City Strategic Plan*

The city's 2017-2022 Strategic Plan sets forth specific goals and objectives for meeting water, wastewater, and recycled water infrastructure needs. The strategic goals for Economic Vitality, Infrastructure, and Quality of Life have established the following objectives related to Utility infrastructure development:

- Make strategic and targeted public infrastructure improvements. More specifically, prioritize infrastructure improvements on already identified key development areas, and identify areas of the city that have high development potential with infrastructure deficiencies.
- Update the Comprehensive Plan that establishes policy for the physical development of the city
- Complete annual assessment of water and wastewater infrastructure, create a prioritized list of improvements and safety enhancements, and take action with available resources including:
  - Annual replacement of a minimum of 500 water service lines
  - Continually explore and seek opportunities to increase available resources that allow maintenance work to be completed at optimal levels
- Implement the city's Water Management Plan on an ongoing basis including conservation, water rights acquisition, and reuse
- Leverage resources on an ongoing basis and initiate contact with other entities to compare approaches and explore sharing resources to increase output and maximize efficiencies.
- Address citizen infrastructure related concerns in a timely and empathetic manner on an ongoing and consistent basis.
- Bring forward a proposal promoting water conservation via new development landscape to the Governing Body

### *Asset Management Plan (AMP)*

The purpose of the Asset Management Plan is to document the current state of system assets and to assist in developing plans for their repair and/or replacement in order to minimize life cycle costs and provide for an acceptable level of service. The initial part of the AMP was to populate the computer maintenance system (CMMS) with a complete inventory of all Utilities' assets. This has been completed and currently there are 47,308 assets listed in the database. In addition, all of these assets have been added to the asset management database used to record asset condition and assess risk of failure. Coupled with this approach to risk, the Utilities Department is working toward aligning with the framework, structure and processes provided by the ISO 55000. ISO 55000 is an international standard covering the management of assets. Utilities and OMI staff has taken several significant steps in an effort toward alignment with ISO 55000. These steps include:

- Develop an asset management policy
- Generate an Asset Management Framework for action
- Formulate a strategic asset management plan
- Identify key infrastructure asset networks within the asset portfolio
- Commence work on a management plan for each asset network.

Some of the anticipated benefits of this approach are:

- Enable the department to make informed water and wastewater capital asset investment decisions
- Improve levels of service and outputs by assuring performance and improving services
- Demonstrate social responsibility by reducing emissions and conserving resources
- Improve efficiency and effectiveness by improving processes, procedures and asset performance
- Utilize existing and emerging technology solutions to optimize asset lifecycle and provide actionable information for maintenance activities
- Improve planning, scheduling, monitoring and reporting of preventative maintenance to reduce exposure from the failure of critical assets
- Reduce business risk exposure through improved financial planning and budgeting.

### **Developer Contributions**

The city's updated Impact Fee Plan and Ordinance (O-9, Enactment 17-12), adopted in 2017 establishes new development fees effective July 1, 2018:

- 5/8" Meter: \$3,398
- ¾" Meter: \$5,083.50
- 1" Meter: \$8,472.50
- 1 ½" Meter: \$16,945
- 2" Meter: \$27,112
- 3" Meter or greater: based on usage

These fees have been discounted from the Impact Fee Study's recommended unit costs. The recommended unit costs represent the current level of service experienced by existing development that new development would be asked to buy into under the study's methodology. The impact fee amounts were adjusted from the Impact Fee Study recommendations based on:

- Heavily weighting market competitiveness with Albuquerque
- Heavily weighting need to attract commercial/retail to the community to grow gross receipts tax based
- Maintaining the integrity of existing held credits
- Capital project needs of the city
- Best available data
- Providing predictability to developers
- Phase in changes to impact fees amounts over time

Developers are assessed impact fees or provide physical improvements in lieu of impact fees. System level infrastructure improvements are accepted by the city in exchange for impact fee credits granted to developers via development agreements. There are a significant number of water impact fee credits outstanding and the city currently accepts credits for seventy-five percent (75%) of assessments generated by annual development activity. Twenty-five percent (25%) of assessments generated by annual development activity are collected as revenue.

Developer contributions and dedications since fiscal year 2010 include:

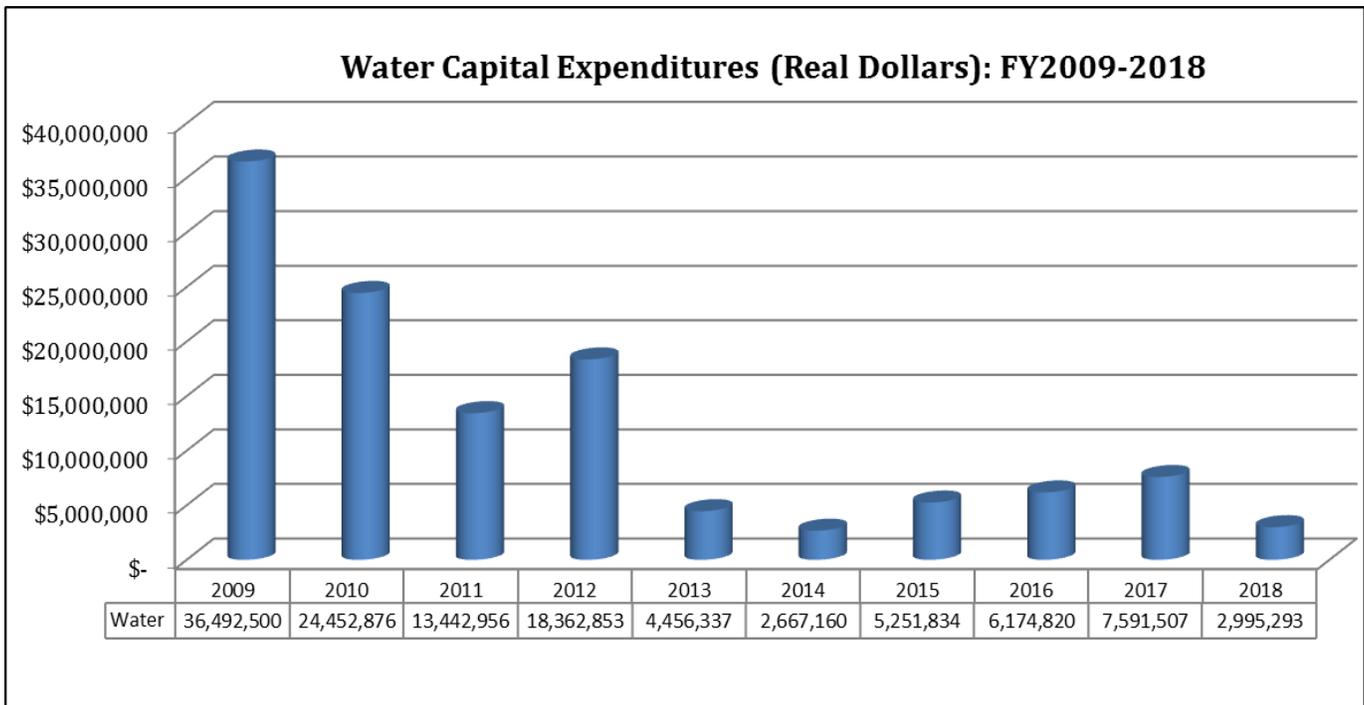
- Northern Meadows (Unit 19): 1.34 miles of water line
- High Range III: 1.29 miles of water line
- Paseo Vulcan Crossing: 0.12 miles of water line
- Diamond Ridge: 1.79 miles of water line
- Cabezon Tract 1A: 0.21 miles of water line
- Cabezon Commons Tract 11: 0.26 miles of water line
- Loma Colorado Realignment: 0.26 miles of water line
- Loma Colorado Water Infrastructure: 0.53 miles of water line
- Joiner Plaza: 0.07 miles of water line
- Cielo Norte I: 1.03 miles of water line
- Cielo Norte II: 0.36 miles of water line
- Plaza @ Enchanted Hills: 0.47 miles of water line
- Gateway Park: 0.072 miles of water line
- Life Spire Senior Living Facility: 0.078 miles of water line
- Loma Colorado Tract 9B: 0.33 miles of water line
- Loma Colorado Prado I&II: 0.31 miles of water line

- Rachel Matthews Corporate Office: 0.036 miles of water line
- UNM/Sandoval County Regional Medical Center: 1.703 miles of water line
- Unser Pavilion: 0.13 miles of water line
- The Village at Rio Rancho: 0.47 miles of water line
- Cielo Norte 3 and 4: 0.38 miles of water line
- Loma Colorado Commercial Area: 0.24 miles of water line
- Solcito Phase I: 0.77 miles of water line
- Esplande: 0.09 miles of water line
- Loma Colorado Meseta Vista Unit 2: 0.49 miles of water line
- Lomas Encantadas 2F: 0.4 miles of water line
- Lomas Encantadas 3A: 0.03 miles of water line
- Rio at Rust Medical Center: 0.28 miles of water line
- Alberta Phase 2: 0.15 miles of water line
- RRPS Bus Depot: 0.35 miles of water line

**Funding Sources**

Water Utility capital projects are funded through various sources, including:

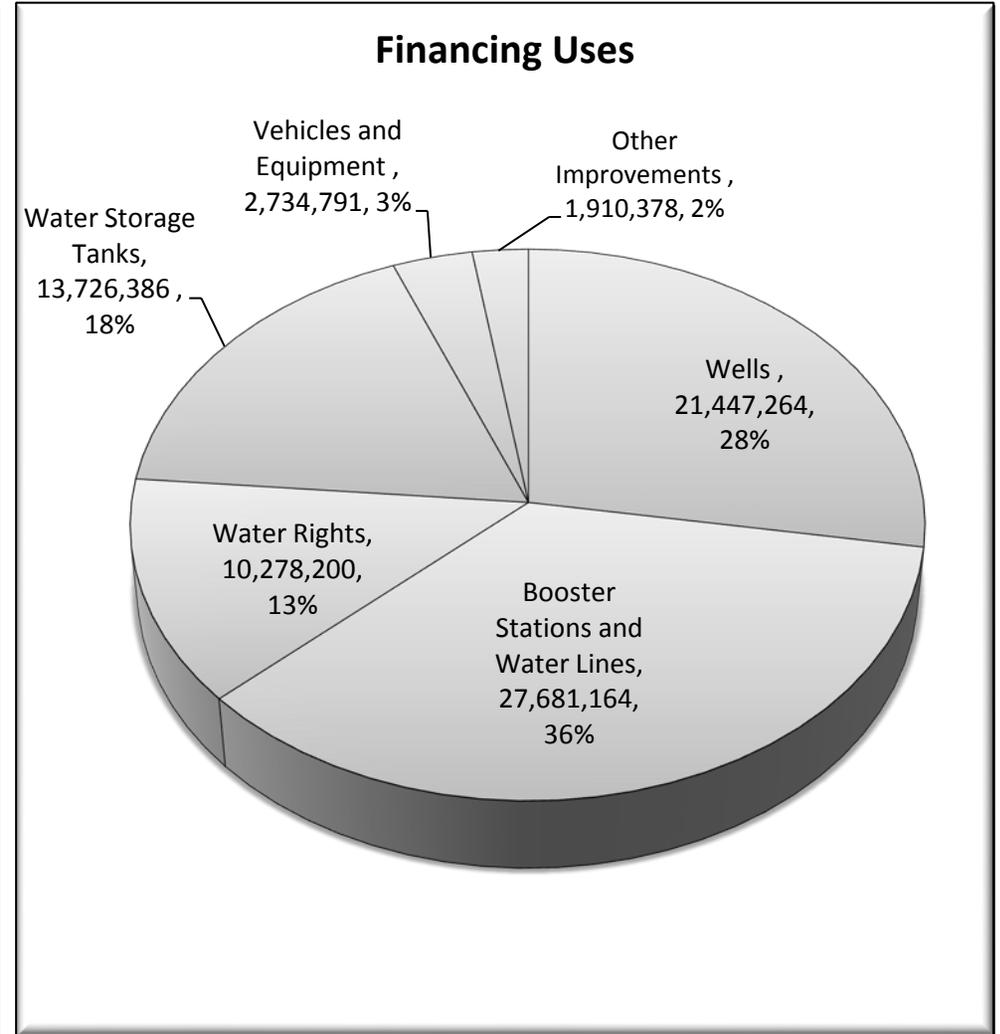
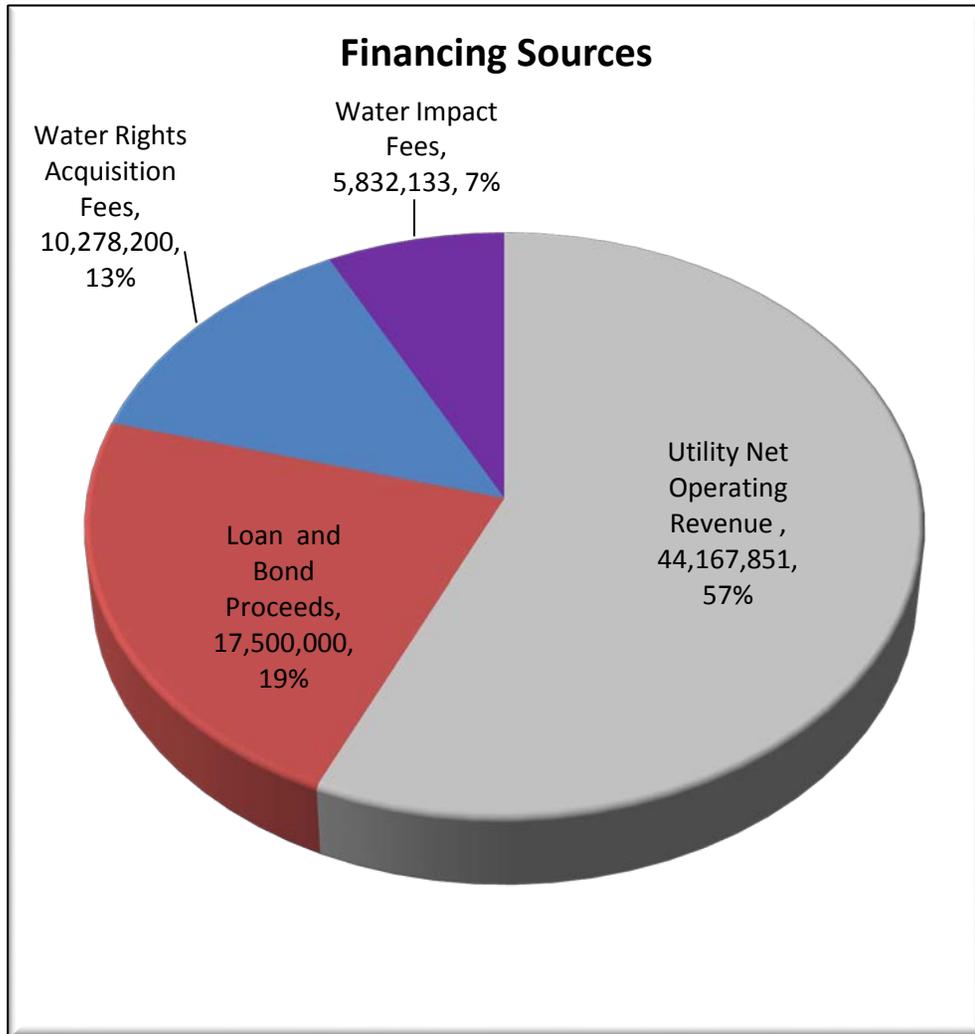
- Utility Bond and Loan Proceeds
- Utility Net Operating Revenues
- Federal and State Grants
- Water Impact Fees
- Environmental Gross Receipts Tax Revenue
- Water Rights Acquisition Fees (Water Rights Acquisition only)



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Capital spending for water utility infrastructure topped \$36 million (real dollars) in fiscal year 2009; however, it declined to merely seven percent (7%) of its 2009 peak by fiscal year 2014. The level of capital spending rebounded during the next three subsequent fiscal years, however retreated to a modest amount of \$3 million in fiscal year 2018. Major components of the water system's capital program in fiscal year 2018 included water rights acquisition, vehicle and equipment replacement, and water line replacement.

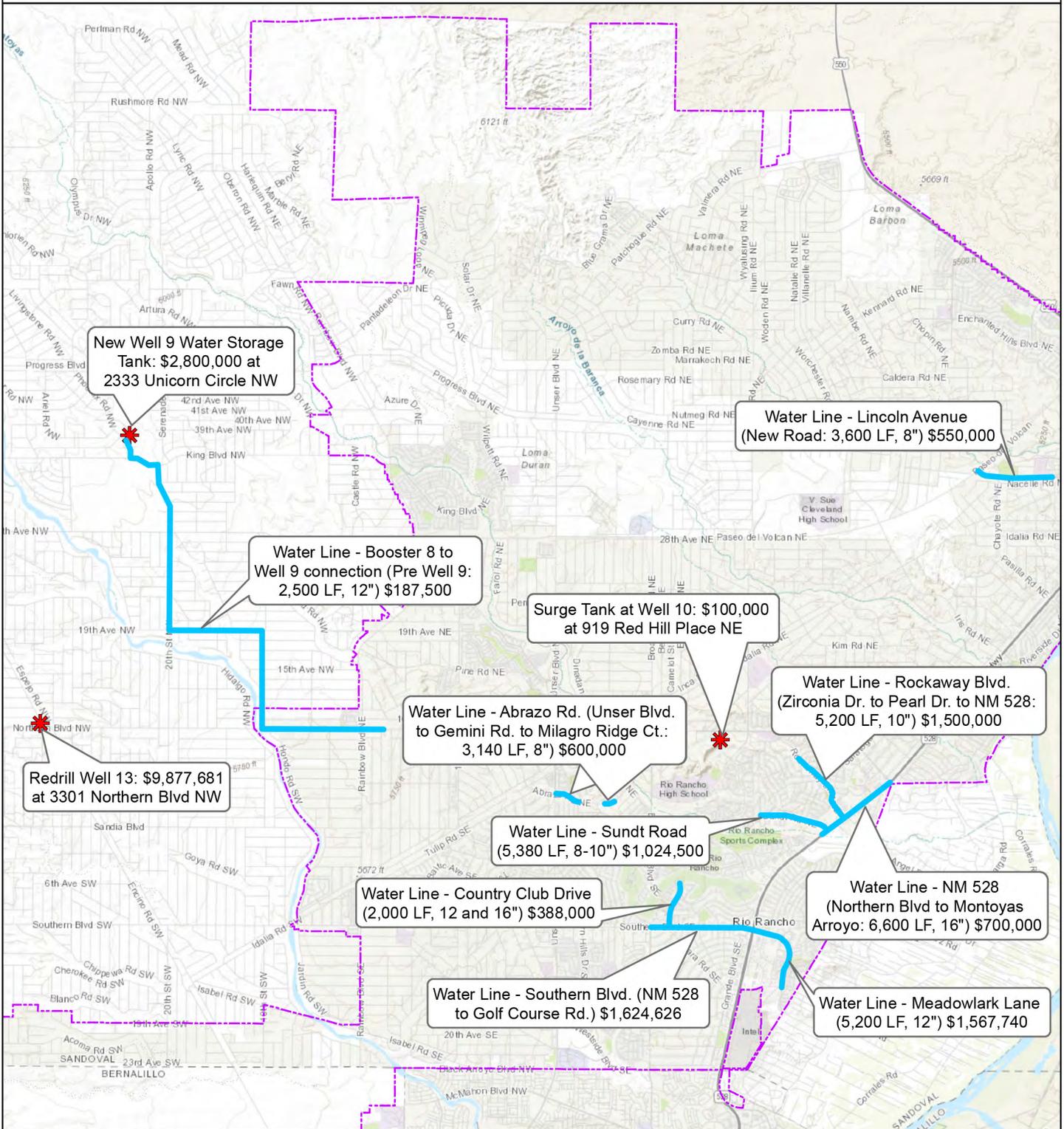
Since the city's acquisition of the system in 1995, the capital program has been heavily supported by several bond issues pledging the net revenues of the system. The recent decrease in annual capital investment has been due in part to the city having not issued bonds for capital improvements to the water system since 2009. Increased operating costs, due in part to several new water facilities built during the mid to late 2000s' have limited the system's debt capacity. Past rate increases have provided some financial flexibility and bolstered reserves in anticipation of several large infrastructure projects including well and water lines replacements that will take place over the next several years. The city anticipates considering new rates within the next year and financing from net operating revenue in the approximate amount of \$53 million has been programmed in the ICIP through FY2024.



**GRAND TOTAL:**

**77,778,184**

# FY2019 ICIP: WATER



Map Created by John Martineau 8-24-18



- New Water Main
- \* Project Location
- City Boundary

DISCLAIMER: All information in this map is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. This map is not a survey and should be used for graphical purposes only.



**FY2019 ICIP: Water**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>1</b>	<b>Redrill Well 13 and Equip for Arsenic Removal</b>	<b>123,410</b>	<b>3,477,681</b>	<b>400,000</b>	<b>3,877,681</b>	<b>2,600,000</b>	<b>3,400,000</b>	-	-	-	<b>9,877,681</b>
	Preliminary Design	21,404	23,411		23,411						23,411
	Design and Engineering	35,838	41,742		41,742	300,000					341,742
	Land Acquisition	66,168			-						-
	Construction		3,280,737	400,000	3,680,737	2,200,000	3,350,000				9,230,737
	Construction Management		131,792		131,792	100,000	50,000				281,792
	<b>Total</b>	<b>123,410</b>	<b>3,477,681</b>	<b>400,000</b>	<b>3,877,681</b>	<b>2,600,000</b>	<b>3,400,000</b>	-	-	-	<b>9,877,681</b>
	Utility Net Revenue (Fund 540)	23,410	2,728,916		2,728,916	-	422,296				3,151,212
	Bond Proceeds				-	1,300,000	1,700,000				3,000,000
	Water Impact Fees (Fund 545)		748,765	400,000	1,148,765	1,300,000	1,277,704				3,726,469
	State Capital Outlay Appropriation	100,000	-		-						-
	<b>Total</b>	<b>123,410</b>	<b>3,477,681</b>	<b>400,000</b>	<b>3,877,681</b>	<b>2,600,000</b>	<b>3,400,000</b>	-	-	-	<b>9,877,681</b>
<b>2</b>	<b>Surge Tank at Well 10</b>	-	-	<b>100,000</b>	<b>100,000</b>	-	-	-	-	-	<b>100,000</b>
	Design and Engineering			15,000	15,000						15,000
	Construction			85,000	85,000						85,000
	<b>Total</b>	-	-	<b>100,000</b>	<b>100,000</b>	-	-	-	-	-	<b>100,000</b>
	Utility Net Revenue (Fund 540)			100,000	100,000						100,000
	<b>Total</b>	-	-	<b>100,000</b>	<b>100,000</b>	-	-	-	-	-	<b>100,000</b>



**FY2019 ICIP: Water**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>3</b>	<b>New Well 9 Water Storage Tank</b>	-	-	<b>300,000</b>	<b>300,000</b>	<b>2,500,000</b>	-	-	-	-	<b>2,800,000</b>
	Design and Engineering			200,000	200,000						200,000
	Land Acquisition			100,000	100,000						100,000
	Construction				-	2,500,000					2,500,000
	<b>Total</b>	-	-	<b>300,000</b>	<b>300,000</b>	<b>2,500,000</b>	-	-	-	-	<b>2,800,000</b>
	Utility Net Revenue (Fund 540)			300,000	300,000	2,000,000					2,300,000
	Water Impact Fees (Fund 545)				-	500,000					500,000
	<b>Total</b>	-	-	<b>300,000</b>	<b>300,000</b>	<b>2,500,000</b>	-	-	-	-	<b>2,800,000</b>
<b>4</b>	<b>Renovate/Paint Water Storage Tanks</b>	<b>16,116</b>	<b>2,076,386</b>	-	<b>2,076,386</b>	<b>200,000</b>	<b>1,800,000</b>	<b>1,550,000</b>	<b>2,200,000</b>	<b>2,500,000</b>	<b>10,326,386</b>
	Design and Engineering	16,116	37,384		37,384	100,000	103,500	107,123	110,872	114,752	573,631
	Construction		1,679,255		1,679,255		1,593,000	1,335,755	1,978,256	2,270,495	8,856,762
	Construction Management and Inspection		359,747		359,747	100,000	103,500	107,123	110,872	114,752	895,994
	<b>Total</b>	<b>16,116</b>	<b>2,076,386</b>	-	<b>2,076,386</b>	<b>200,000</b>	<b>1,800,000</b>	<b>1,550,000</b>	<b>2,200,000</b>	<b>2,500,000</b>	<b>10,326,386</b>
	Utility Net Revenue (Fund 540)	16,116	2,076,386		2,076,386	200,000	1,800,000	1,550,000	2,200,000	2,500,000	10,326,386
	<b>Total</b>	<b>16,116</b>	<b>2,076,386</b>	-	<b>2,076,386</b>	<b>200,000</b>	<b>1,800,000</b>	<b>1,550,000</b>	<b>2,200,000</b>	<b>2,500,000</b>	<b>10,326,386</b>



**FY2019 ICIP: Water**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>5</b>	<b>Install/Replace Water Lines</b>	<b>2,299,522</b>	<b>3,539,734</b>	<b>6,536,557</b>	<b>10,076,291</b>	<b>1,298,557</b>	<b>5,273,656</b>	<b>694,310</b>	<b>616,409</b>	<b>921,941</b>	<b>18,881,164</b>
	Design and Engineering	325,312	200,998	653,656	854,654	129,856	527,366	69,431	61,641	92,194	1,735,141
	Construction	1,959,352	3,338,736	5,229,246	8,567,982	1,038,846	4,218,925	555,448	493,127	737,553	15,611,880
	Construction Management and Inspection	14,858		653,656	653,656	129,856	527,366	69,431	61,641	92,194	1,534,143
	<b>Total</b>	<b>2,299,522</b>	<b>3,539,734</b>	<b>6,536,557</b>	<b>10,076,291</b>	<b>1,298,557</b>	<b>5,273,656</b>	<b>694,310</b>	<b>616,409</b>	<b>921,941</b>	<b>18,881,164</b>
	Utility Net Revenue (Fund 540)	2,299,522	3,539,734	6,536,557	10,076,291	1,298,557	5,273,656	694,310	616,409	921,941	18,881,164
	<b>Total</b>	<b>2,299,522</b>	<b>3,539,734</b>	<b>6,536,557</b>	<b>10,076,291</b>	<b>1,298,557</b>	<b>5,273,656</b>	<b>694,310</b>	<b>616,409</b>	<b>921,941</b>	<b>18,881,164</b>
<b>6</b>	<b>New and Replacement Pressure Reducing Valves (PRVs)</b>	<b>196,385</b>	<b>212,381</b>	<b>125,000</b>	<b>337,381</b>	<b>129,500</b>	<b>134,000</b>	<b>138,500</b>	<b>143,500</b>	<b>148,500</b>	<b>1,031,381</b>
	Design and Engineering	37,619	21,098	25,000	46,098	25,900	26,800	27,700	28,700	29,700	184,898
	Construction	158,766	191,284	87,500	278,784	90,650	93,800	96,950	100,450	103,950	764,584
	Construction Management and Inspection			12,500	12,500	12,950	13,400	13,850	14,350	14,850	81,900
	<b>Total</b>	<b>196,385</b>	<b>212,381</b>	<b>125,000</b>	<b>337,381</b>	<b>129,500</b>	<b>134,000</b>	<b>138,500</b>	<b>143,500</b>	<b>148,500</b>	<b>1,031,381</b>
	Utility Net Revenue (Fund 540)	196,385	212,381	125,000	337,381	129,500	134,000	138,500	143,500	148,500	1,031,381
	<b>Total</b>	<b>196,385</b>	<b>212,381</b>	<b>125,000</b>	<b>337,381</b>	<b>129,500</b>	<b>134,000</b>	<b>138,500</b>	<b>143,500</b>	<b>148,500</b>	<b>1,031,381</b>



**FY2019 ICIP: Water**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>7</b>	<b>Redrill Well 9 and Equip for Arsenic Removal</b>	-	-	-	-	-	<b>300,000</b>	<b>4,900,000</b>	<b>4,900,000</b>	-	<b>10,100,000</b>
	Design and Engineering				-		300,000		735,000		1,035,000
	Construction				-			4,900,000	3,675,000		8,575,000
	Construction Management and Inspection				-				490,000		490,000
	<b>Total</b>	-	-	-	-	-	<b>300,000</b>	<b>4,900,000</b>	<b>4,900,000</b>	-	<b>10,100,000</b>
	Utility Net Revenue (Fund 540)				-		300,000	-	-		300,000
	Loan Proceeds (Subordinate Debt)				-			4,900,000	4,900,000		9,800,000
	<b>Total</b>	-	-	-	-	-	<b>300,000</b>	<b>4,900,000</b>	<b>4,900,000</b>	-	<b>10,100,000</b>
<b>8</b>	<b>Well Site Security</b>	<b>289,697</b>	-	<b>120,000</b>	<b>120,000</b>	<b>124,200</b>	<b>128,547</b>	<b>133,046</b>	<b>137,703</b>	<b>142,522</b>	<b>786,018</b>
	Design and Engineering	40,871	-	18,000	18,000	18,630	19,282	19,957	20,655	21,378	117,903
	Construction	248,826	-	102,000	102,000	105,570	109,265	113,089	117,047	121,144	668,116
	<b>Total</b>	<b>289,697</b>	-	<b>120,000</b>	<b>120,000</b>	<b>124,200</b>	<b>128,547</b>	<b>133,046</b>	<b>137,703</b>	<b>142,522</b>	<b>786,018</b>
	Utility Net Revenue (Fund 540)	289,697	-	120,000	120,000	124,200	128,547	133,046	137,703	142,522	786,018
	<b>Total</b>	<b>289,697</b>	-	<b>120,000</b>	<b>120,000</b>	<b>124,200</b>	<b>128,547</b>	<b>133,046</b>	<b>137,703</b>	<b>142,522</b>	<b>786,018</b>



**FY2019 ICIP: Water**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>9</b>	<b>SCADA Improvements</b>	<b>212,591</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>80,000</b>	<b>82,800</b>	<b>85,698</b>	<b>88,697</b>	<b>91,802</b>	<b>428,997</b>
	Utility Net Revenue (Fund 540)	212,591			-	80,000	82,800	85,698	88,697	91,802	428,997
	Total	212,591	-	-	-	80,000	82,800	85,698	88,697	91,802	428,997
<b>10</b>	<b>Vehicles and Heavy Equipment</b>	<b>1,550,574</b>	<b>141,461</b>	<b>656,319</b>	<b>797,780</b>	<b>323,000</b>	<b>316,221</b>	<b>137,644</b>	<b>89,503</b>	<b>671,388</b>	<b>2,335,536</b>
	Utility Net Revenue (Fund 540)	1,550,574	141,461	656,319	797,780	323,000	316,221	137,644	89,503	671,388	2,335,536
	Total	1,550,574	141,461	656,319	797,780	323,000	316,221	137,644	89,503	671,388	2,335,536
<b>11</b>	<b>Water Rights Acquisition</b>	<b>42,480,899</b>	<b>812,226</b>	<b>1,529,919</b>	<b>2,342,145</b>	<b>1,567,462</b>	<b>1,576,368</b>	<b>1,586,478</b>	<b>1,598,718</b>	<b>1,607,029</b>	<b>10,278,200</b>
	Utility Net Revenue (Fund 540)	3,191,257			-						-
	Water Rights Acquisition Fee (Fund 542)	9,518,568	812,226	1,529,919	2,342,145	1,567,462	1,576,368	1,586,478	1,598,718	1,607,029	10,278,200
	Loan Proceeds	19,168,941			-						-
	Bond Proceeds	10,602,133			-						-
	Total	42,480,899	812,226	1,529,919	2,342,145	1,567,462	1,576,368	1,586,478	1,598,718	1,607,029	10,278,200
<b>12</b>	<b>Variable Frequency Drive (VFD) at Wells</b>			<b>-</b>	<b>-</b>					<b>450,000</b>	<b>450,000</b>
	Utility Net Revenue (Fund 540)			-	-					450,000	450,000
	Total	-	-	-	-	-	-	-	-	450,000	450,000



**FY2019 ICIP: Water**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>13</b>	<b>Major Equipment for Water Production, Treatment, and Distribution</b>	<b>217,452</b>		<b>29,640</b>	<b>29,640</b>	<b>76,115</b>	<b>115,000</b>	<b>68,500</b>	<b>25,000</b>	<b>85,000</b>	<b>399,255</b>
	Utility Net Revenue (Fund 501)	217,452		29,640	29,640	76,115	115,000	68,500	25,000	85,000	399,255
	Total	217,452	-	29,640	29,640	76,115	115,000	68,500	25,000	85,000	399,255
<b>14</b>	<b>New Tank at Well 17</b>	-	-	-	-	-	-	-	-	<b>300,000</b>	<b>300,000</b>
	Design and Engineering				-					300,000	300,000
	Total	-	-	-	-	-	-	-	-	300,000	300,000
	Utility Net Revenue (Fund 540)				-					300,000	300,000
	Total	-	-	-	-	-	-	-	-	300,000	300,000
<b>15</b>	<b>Booster Station and Transmission Line Well 17</b>	-	-	-	-	-	-	<b>800,000</b>	<b>4,000,000</b>	<b>4,000,000</b>	<b>8,800,000</b>
	Design and Engineering				-			800,000			800,000
	Construction				-				3,600,000	3,600,000	7,200,000
	Construction Management				-				400,000	400,000	800,000
	Total	-	-	-	-	-	-	800,000	4,000,000	4,000,000	8,800,000
	Utility Net Revenue (Fund 540)				-			-	1,337,613	1,456,723	2,794,336
	Loan Proceeds (Subordinate Debt)				-			400,000	2,000,000	2,000,000	4,400,000
	Water Impact Fees (Fund 545)				-			400,000	662,387	543,277	1,605,664
	Total	-	-	-	-	-	-	800,000	4,000,000	4,000,000	8,800,000



**FY2019 ICIP: Water**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>16</b>	<b>New Tank at Well 6</b>	-	-	-	-	-	-	-	-	<b>300,000</b>	<b>300,000</b>
	Design and Engineering				-					300,000	300,000
	Total	-	-	-	-	-	-	-	-	300,000	300,000
	Loan Proceeds (Subordinate Debt)				-					300,000	300,000
	Total	-	-	-	-	-	-	-	-	300,000	300,000
<b>17</b>	<b>Water Well Level Monitoring Wells</b>	-	-	<b>40,000</b>	<b>40,000</b>	<b>41,400</b>	<b>42,849</b>	<b>44,349</b>	<b>45,901</b>	<b>47,507</b>	<b>262,006</b>
	Utility Net Revenue (Fund 540)			40,000	40,000	41,400	42,849	44,349	45,901	47,507	262,006
	Total	-	-	40,000	40,000	41,400	42,849	44,349	45,901	47,507	262,006
<b>18</b>	<b>Well Line shaft Sound walls</b>	-	-	-	-	-	<b>155,250</b>	-	<b>166,308</b>	-	<b>321,558</b>
	Utility Net Revenue (Fund 540)	-	-	-	-	-	155,250	-	166,308	-	321,558
	Total	-	-	-	-	-	155,250	-	166,308	-	321,558



**FY2019 ICIP: Water**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
	<b>GRAND TOTAL</b>	<b>47,386,645</b>	<b>10,259,870</b>	<b>9,837,435</b>	<b>20,097,305</b>	<b>8,940,234</b>	<b>13,324,691</b>	<b>10,138,525</b>	<b>14,011,739</b>	<b>11,265,690</b>	<b>77,778,184</b>
	Utility Net Operating Revenue	7,997,003	8,698,879	7,907,516	16,606,395	4,272,772	8,770,619	2,852,047	4,850,634	6,815,384	44,167,851
	Loan Proceeds	19,168,941	-	-	-	-	-	5,300,000	6,900,000	2,300,000	14,500,000
	Bond Proceeds	10,602,133	-	-	-	1,300,000	1,700,000	-	-	-	3,000,000
	State Grants	100,000	-	-	-	-	-	-	-	-	-
	Federal Grants										
	Water Rights Acquisition Fees	9,518,568	812,226	1,529,919	2,342,145	1,567,462	1,576,368	1,586,478	1,598,718	1,607,029	10,278,200
	Water Impact Fees	-	748,765	400,000	1,148,765	1,800,000	1,277,704	400,000	662,387	543,277	5,832,133

### Water Production Projects



#### **Re-drill Well 13 (WA1492)**

Land adjacent to the current well site was acquired in March 2015 for the Well 13 Re-drill project and planning and design for the re-drilling portion of the project was completed in April 2016. The fiscal year 2019 budget includes additional water impact fees in the amount of \$400,000 in anticipation of construction activities to commence in July 2018.

Land acquisition, design, and re-drilling activities are funded by a combination of utility net operating sources (\$2.75 million), water impact fees (\$1.15 million), and a 2014 state capital outlay appropriation (\$100,000). The project is necessary to replace production capacity lost from the failure of Well 13 in 2013.

### Water Storage Projects

#### **Booster Station and Transmission Line from Tank 8 to Tank 13 (WA1493)**

The project consisted of construction of a new 4 million gallon per day (MGD) booster station and 16” transmission line from Tank 8 to Tank 13. The booster station and transmission line provides a source of water to communities in upper zone 8, including homes located on or near Northern and Rainbow Boulevards in the event of failures at Well sites 9 and/or 13. Construction was substantially completed in March 2017 and three spare replacement pumps were delivered to the city in February 2018. The project was funded by a combination of environmental gross receipts tax revenue (\$395,437) and utility net operating sources (\$3,010,129).



### **Renovate Water Storage Tank 3**

Design of Tank 3 renovations commenced in December 2017 and was completed in February 2018. Construction is anticipated in fall 2018 to avoid water service disruption in peak water usage months. Funding consists of utility net operating sources in the amount of \$992,502.

## **Transmission and Distribution Projects**

### **River's Edge Drive Water Lines (WA1789)**

Construction work replacing the 8" water main and approximately sixty (60) water service lines and meters along River's Edge Drive, Gila River Road, Silver Creek Drive, and Butte Way was completed in October 2017. The project also included complete roadway reconstruction and was funded entirely by utility net operating sources in the amount of \$836,959.

### **Booster Station 12 HVAC Replacement (WA1776)**

A new 4 ton HVAC cooling unit was installed at Booster Station 12 to provide necessary cooling for electrical equipment in fall 2017. The project was funded by utility net operating sources in the amount of \$17,662.

### **Zaragoza Road Water Main Line Replacement (WA1823)**

The project consists of replacement of the 8" water main, new cooper service lines to replace aged poly service lines, replacement fire hydrants, and roadway reconstruction from Unser Boulevard to Stallion Road. Construction will commence April 16, 2018 to be completed in summer 2018. Funding consists of utility net operating sources in the amount of \$857,000.

### **Southern Boulevard Water Line Replacement (WA1858)**

Water main line replacement, sewer main lowering, and sewer service replacements will be done concurrent with the roadway reconstruction project from NM 528 to Golf Course Road to commence construction in spring 2018. Funding consists of utility net operating sources in the aggregate amount of \$2,481,693 for all utility related work.



### **Industrial Park Loop Water Line Replacement (WA1884)**

Design of water distribution system improvements along the NM 528 Frontage Road between the existing water line tees at Sundt Road and Don Julio Road commenced in January 2018 to be completed in summer 2018. Construction will occur in fiscal year 2019 ahead of New Mexico Department of Transportation (NMDOT) improvements to NM 528 from Montoya's Arroyo to Northern Boulevard. Project funding consists of utility net operating sources in the amount of \$2,050,000.

### **Other Major Water Capital Expenditures**

#### **Water Rights Acquisition (UT0922, WA0833, WA1145, WA1244, WA1348, WA1431, and WA1533)**

The city's water rights acquisition liability is approximately 16,000 acre feet over 55 years under two Office of the State Engineer (OSE) permits authorizing diversion of up to 24,000 acre feet per year. The 2003 OSE permit requires acquisition of 728 acre feet of water rights every five-year period through 2063, beginning at a time when the city reaches 12,000 acre feet of annual consumption (reached in December 2007). The 1979 permit requirement will vary based on the modeling effect of the City's groundwater pumping of the surface flows of the Rio Grande. To date, the City has acquired or has under contract 5,958 acre feet of water rights toward its obligations under both the 1979 and 2003 permits. Accordingly, the City is current with regard to obligations under the 1979 permit and has satisfied obligations under the 2003 permit for the first five accounting periods through 2032, and has begun satisfaction of its obligations for the accounting period commencing in 2033. Acquisition of water rights has been funded through a combination of utility net operating sources, utility bond proceeds, water rights acquisition fees, and three water rights loans entered into in January and December of 2011, and April 2015. The balance of capital funds at year end FY2018 available for purchase of additional water rights is \$812,226, while estimated recurring revenue from the water rights acquisition fee available through fiscal year 2024 is \$9.5 million.

#### **Vehicles and Heavy Equipment**

The Utilities Department acquired several vehicles and pieces of heavy equipment for use in water system operations in FY2018 with a particular focus on replacement of aged vehicles and equipment. Total cost in FY2018 was \$348,415 utilizing utility net operating sources.

- Four (4) replacement pick-up trucks for the Water Production and Transmission and Distribution Divisions: \$107,657
- New pick-up truck for the Environmental Management Division: \$29,229
- New forklift and dump trailer for the Transmission and Distribution Division: \$55,372
- Backhoe for the Transmission and Distribution Division: \$88,045
- Two (2) Nissan Leaf Electrical Vehicles for administrative use: \$34,800
- Dump Trailer and Compact Utility Tractor: \$33,312

### **Existing Inventory**

The Utilities Department served 30,014 residential and non-residential wastewater customers as of December 31, 2017. Average daily treatment for calendar year 2017 was 4,203,000 gallons. Annual wastewater treatment for 2017 was 1.5 billion gallons.

The Utilities Department operates and maintains:

- 4 Wastewater Treatment Plants (WWTPs)
- 26 Lift Stations
- 388 Miles of Wastewater line

### **Current Capacity and Condition of Assets and Infrastructure**

#### *Wastewater Treatment Plants*

The wastewater system inventory includes four treatment plants of varying age, condition, and treatment capacities. The largest plant is WWTP #2 capable of treating 5 million gallons per day (mgd) while the smallest is WWTP #5 capable of treating 0.25 mgd. WWTP # 5 can be upgraded to 0.5 mgd with additional equipment. Currently, the total operational capacity of all active wastewater treatment plants is approximately 7 million gallons per day. In calendar year 2017 the actual average daily gallons treated was approximately 4.2 million gallons per day. The city currently discharges into the Rio Grande under an Office of the State Engineer (OSE) permit and two National Pollution Discharge Elimination System (NPDES) permits.

Expansion of WWTP #6 from a 0.6 mgd into a 1.2 mgd treatment facility was completed in July 2013. The project also included a new 4,000 gallon per minute booster station, approximately 29,000 linear feet of reuse water line to WWTP #2, and a 3 million gallon recycled water storage tank. The expansion increased treatment capacity at WWTP #6, while the pump station, recycled water line, and storage tank provides recycled water for irrigation and aquifer recharge purposes.

The ICIP contains plans to replace WWTP #1 in fiscal year 2019. The existing plant is an aged treatment facility constructed in the early 1970s' and has exceeded its useful life. A new lift station (LS 27) will be built at the WWTP #1 location to convey the flows to WWTP #6 located in the Cabezon subdivision. WWTP #6 capacity will be increased to accommodate the WWTP #1 service area. Once expansion of WWTP #6 has been completed WWTP #1 will be decommissioned.

#### *Reuse and Aquifer Recharge*

The WWTP #6 Phase 1 Expansion and the Aquifer Recharge project included construction of recycled water storage tanks, pumping capacity, treatment capacity, recycled water lines, an advanced water treatment facility, and a direct injection well in support of the city's water reuse and aquifer recharge initiative (Rio Rancho Pure). The series of subprojects began in 2006 and culminated in 2017 with construction of a recycled water storage tank and equipping of the advanced water treatment facility near the Loma Colorado subdivision. The new system was constructed at an estimated cost of \$25 million and is New Mexico's first water purification and aquifer storage project. The newly constructed infrastructure allows delivery of recycled water to strategic locations throughout the city for irrigation, industrial uses, and aquifer replenishment. The city's Advanced Water Treatment Facility (AWTF) injected 17.1 million gallons, or fifty-two acre-feet from July 2017 through the end of the fiscal year on June 30, 2018. It is the city's goal to inject up to 1 million gallons per day, or over 1,000 acre-feet per year.

#### *Lift Stations and Sewer lines*

The city operates 26 lift stations responsible for moving wastewater to treatment plants within the force main sewer line system. Combined, the wastewater system consists of 20 miles of force main and 368 miles of gravity sewer

line. The ICIP contains various projects for new lift stations and improvements to existing lift stations including a new lift station and Lift Station 2 replacement as part of the WWTP #1 Replacement project. A relief pump and force main from Lift Station 15 to the Willow Creek area is planned in fiscal year 2021 and 2022.

**Indicators**

Indicator	Calendar Year				
	2013	2014	2015	2016	2017
Average Daily Sewage Treated (1,000 of gallons)	4,641	4,765	4,493	4,424	4,203

**Wastewater Utility Infrastructure and Capital Improvement Plan Development**

The Utilities Department updates its capital improvement plan concurrent with the annual budget process by which current year capital appropriations are requested pursuant to established departmental priorities for maintaining, expanding, and/or improving wastewater infrastructure and assets. Various departmental plans guide development of the ICIP, including those detailed below. Additionally, asset replacement needs, such as equipment and vehicles are also included in the department’s overall ICIP.

*Recycled Water and Wastewater Treatment Master Plan report*

In 2018 the Utilities Department completed a project to update the 2008 Wastewater Treatment Master Plan. The effect of planned and future development on the existing treatment system was analyzed to determine current and long term projects necessary to meet demands upon the system. Estimates and timelines for capital project expenditures were included as part of the master plan and were used to support the water and wastewater rate study finalized in fall 2018.

*Recycled Master Plan*

In 2018 the Utilities Department completed a project to update the 2003 Recycled Water Master Plan. This plan establishes the basic road map for future recycled water utilization. The recycled water master plan encompasses the quantities, qualities, sources and uses of recycled water, and aquifer injection locations. Estimates and timelines for capital project expenditures were included as part of the master plan and were used to support the water and wastewater rate study finalized in fall 2018.

*City Strategic Plan*

The city’s 2017-2022 Strategic Plan sets forth specific goals and objectives for meeting water, wastewater, and recycled water infrastructure needs. The strategic goals for Economic Vitality and Infrastructure have established the following objectives related to utility infrastructure development:

- Make strategic and targeted public infrastructure improvements. More specifically, prioritize infrastructure improvements on already identified key development areas, and identify areas of the city that have high development potential with infrastructure deficiencies
- Update the Comprehensive Plan that establishes policy for the physical development of the city
- Complete annual assessment of water and wastewater infrastructure, create a prioritized list of improvements and safety enhancements, and take action with available resources including:
  - Continually explore and seek opportunities to increase available resources that allow maintenance work to be completed at optimal levels
- Implement the city’s Water Management Plan on an ongoing basis including conservation, water rights acquisition, and reuse

- Leverage resources on an ongoing basis and initiate contact with other entities to compare approaches and explore sharing resources to increase output and maximize efficiencies.
- Address citizen infrastructure related concerns in a timely and empathetic manner on an ongoing and consistent basis.

#### *Asset Management Plan*

The purpose of the Asset Management Plan is to document the current state of system assets and to assist in developing plans for their repair and/or replacement in order to minimize life cycle costs and provide for an acceptable level of service. The initial part of the AMP was to populate the computer maintenance system (CMMS) with a complete inventory of all Utilities' assets. This has been completed and currently there are 47,308 assets listed in the database. In addition, all of these assets have been added to the asset management database used to record asset condition and assess risk of failure. Coupled with this approach to risk, the Utilities Department is working toward aligning with the framework, structure and processes provided by the ISO 55000. ISO 55000 is an international standard covering the management of assets. Utilities and OMI staff has taken several significant steps in an effort toward alignment with ISO 55000. These steps include:

- Develop an asset management policy
- Generate an Asset Management Framework for action
- Formulate a strategic asset management plan
- Identify key infrastructure asset networks within the asset portfolio
- Commence work on a management plan for each asset network.

Some of the anticipated benefits of this approach are:

- Enable the department to make informed water and wastewater capital asset investment decisions
- Improve levels of service and outputs by assuring performance and improving services
- Demonstrate social responsibility by reducing emissions and conserving resources
- Improve efficiency and effectiveness by improving processes, procedures and asset performance
- Utilize existing and emerging technology solutions to optimize asset lifecycle and provide actionable information for maintenance activities
- Improve planning, scheduling, monitoring and reporting of preventative maintenance to reduce exposure from the failure of critical assets
- Reduce business risk exposure through improved financial planning and budgeting.

#### **Developer Contributions**

The city's updated Impact Fee Plan and Ordinance (O-9, Enactment 17-12), adopted in 2017 establishes new development fees effective July 1, 2017:

- 5/8" Meter: \$1,999
- 3/4" Meter: \$2,999
- 1" Meter: \$4,998
- 1 1/2" Meter: \$9,995
- 2" Meter: \$15,992
- 3" Meter or greater: based on usage

Developers are assessed impact fees or provide physical improvements in lieu of impact fees. System level infrastructure improvements are accepted by the city in exchange for impact fee credits granted to developers via development agreements. There are a significant number of wastewater impact fee credits outstanding and the city

currently accepts credits for eighty percent (80%) of assessments generated by annual development activity. Twenty percent (20%) of assessments generated by annual development activity are collected as revenue.

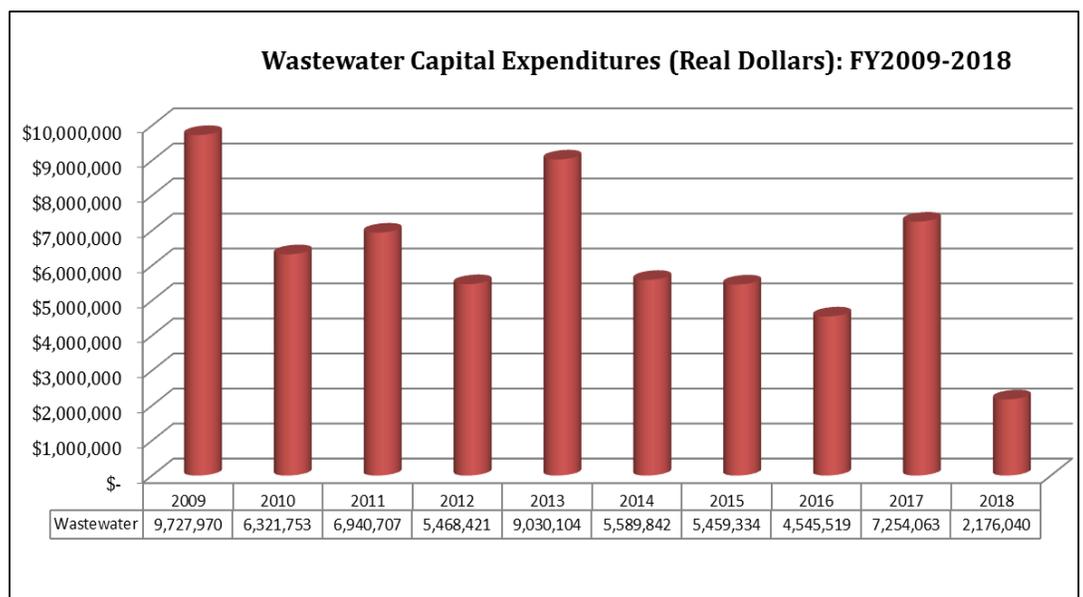
Developer Improvements and Dedications since Fiscal Year 2010 include:

- Northern Meadows (Unit 19): 1.23 miles of sewer line
- High Range III: 1.15 miles of sewer line
- Paseo Vulcan Crossing: 0.15 miles of sewer line
- Diamond Ridge: 1.54 miles of sewer line
- Cabezon Tract 1A: 0.34 miles of sewer line
- Cabezon Commons Tract 11: 0.22 miles of sewer line
- Loma Colorado Realignment: 0.26 miles of sewer
- Joiner Plaza: 0.26 miles of sewer line and 1 lift station
- Cielo Norte I and II: 1.16 miles of sewer line
- Plaza @ Enchanted Hills: 0.25 miles of sewer line
- UNM/Sandoval County Regional Medical Center: 0.254 miles of sewer line
- The Village at Rio Rancho: 0.47 miles of sewer line
- Cielo Norte 3 and 4: 0.32 miles of sewer line
- Loma Colorado Commercial Area: 0.16 miles of sewer line
- Solcito Phase I: 0.78 miles of sewer line
- Esplande: 0.18 miles of sewer line
- Loma Colorado Meseta Vista Unit 2: 0.4 miles of sewer line
- Lomas Encantadas 2F: 0.23 miles of sewer line
- Rio at Rust Medical Center: 0.33 miles of sewer line
- RRPS Bus Depot: 0.39 miles of sewer line

**Funding Sources**

Wastewater Utility capital projects are funded through various sources, including:

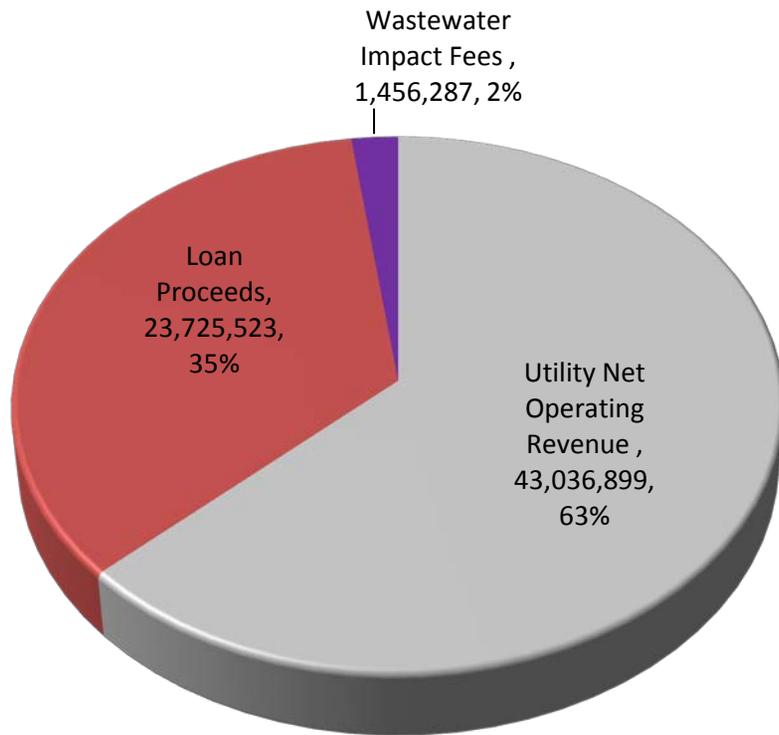
- Utility Bond and Loan Proceeds
- State and County Grants
- Utility Net Operating Revenues
- Wastewater Impact Fees
- Environmental Gross Receipts Tax Revenue



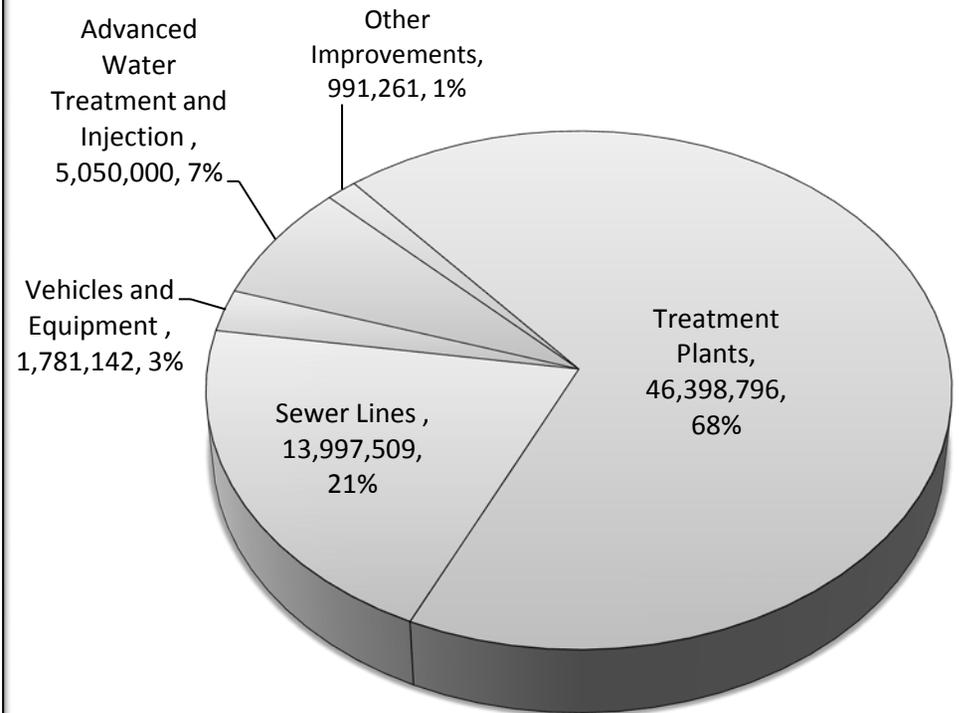
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Capital spending for wastewater utility infrastructure topped \$9.8 million (real dollars) in fiscal year 2009, and that level of capital investment was nearly matched in fiscal year 2013 due to the ongoing expansion of Wastewater Treatment Plant #6 and related recycled water infrastructure. Construction expenditures for recycled water infrastructure continued into fiscal year 2018, and all together with WWTP #6 the projects accounted for over eighty-percent (80%) of total wastewater capital expenditures between fiscal years 2014 and 2018. The wastewater capital program has been historically, and will continue to be heavily supported by debt financing in the near-term timeframe. Most recently, the city issued \$25 million in new debt in FY2017 for replacement of Wastewater Treatment Plant #1. To address intermediate to long-term capital plans, the city anticipates considering new rates within the next year and cash financing from net operating revenue in the approximate amount of \$42.5 million has been programmed in the ICIP through FY2024.

**Financing Sources**



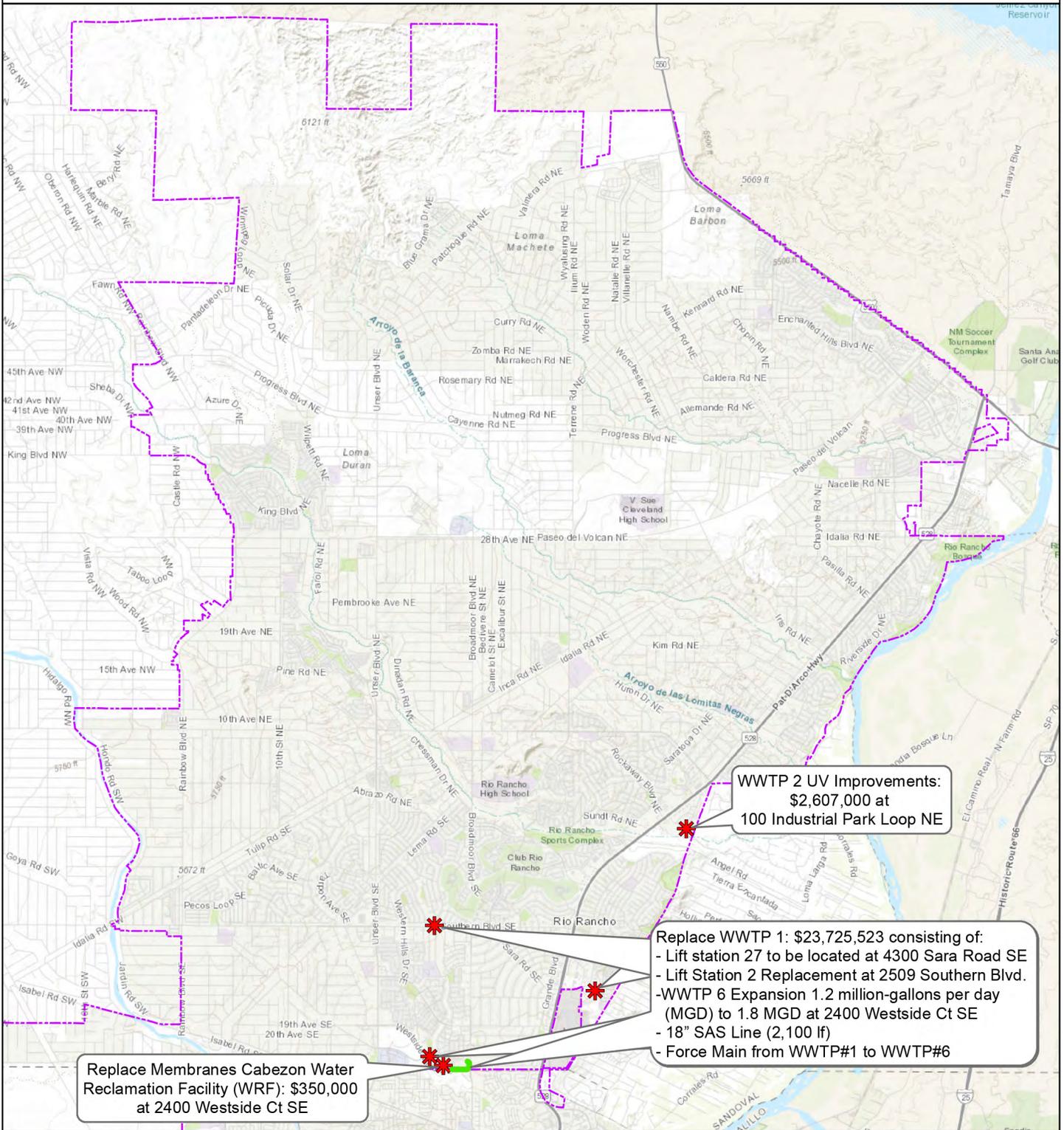
**Financing Uses**



**GRAND TOTAL:**

**68,218,709**

# FY2019 ICIP: WASTEWATER



- New Sewer Main
- \* Project Location
- City Boundary

DISCLAIMER: All information in this map is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. This map is not a survey and should be used for graphical purposes only.



**FY2019 ICIP: Wastewater**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>1</b>	<b>Replace WWTP 1</b>	<b>2,020,555</b>	<b>23,494,416</b>	<b>231,107</b>	<b>23,725,523</b>	-	-	-	-	-	<b>23,725,523</b>
	Preliminary Design	160,345			-						-
	Design and Engineering	1,860,211	2,979,445		2,979,445						2,979,445
	Construction		20,514,971	231,107	20,746,078						20,746,078
	<b>Total</b>	<b>2,020,555</b>	<b>23,494,416</b>	<b>231,107</b>	<b>23,725,523</b>	-	-	-	-	-	<b>23,725,523</b>
	Utility Net Revenue (Fund 550 and 552)	307,111			-						-
	Loan Proceeds (Fund 550)	1,713,445	23,494,416	231,107	23,725,523						23,725,523
	<b>Total</b>	<b>2,020,555</b>	<b>23,494,416</b>	<b>231,107</b>	<b>23,725,523</b>	-	-	-	-	-	<b>23,725,523</b>
<b>2</b>	<b>Replace Membranes Cabezon Water Reclamation Facility (WRF) Wastewater Treatment Plant 6</b>	-		<b>350,000</b>	<b>350,000</b>	-	-	-	-	-	<b>350,000</b>
	Utility Net Revenue (Fund 550)			350,000	350,000						350,000
	<b>Total</b>	-	-	<b>350,000</b>	<b>350,000</b>	-	-	-	-	-	<b>350,000</b>
<b>3</b>	<b>WWTP 2 UV Improvements</b>	-	-	<b>330,000</b>	<b>330,000</b>	<b>2,277,000</b>	-	-	-	-	<b>2,607,000</b>
	Design and Engineering			330,000	330,000						330,000
	Construction				-	2,277,000					2,277,000
	<b>Total</b>	-	-	<b>330,000</b>	<b>330,000</b>	<b>2,277,000</b>	-	-	-	-	<b>2,607,000</b>
	Utility Net Revenue (Fund 550)			330,000	330,000	1,840,685					2,170,685
	Wastewater Impact Fees (Fund 555)				-	436,315					436,315
	<b>Total</b>	-	-	<b>330,000</b>	<b>330,000</b>	<b>2,277,000</b>	-	-	-	-	<b>2,607,000</b>



**FY2019 ICIP: Wastewater**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>4</b>	<b>WWTP 2/Lift Station 14.2 Odor Control</b>	-	-	<b>100,000</b>	<b>100,000</b>	-	-	-	-	-	<b>100,000</b>
	Design and Engineering			15,000	15,000						15,000
	Construction			85,000	85,000						85,000
	Total	-	-	100,000	100,000	-	-	-	-	-	100,000
	Utility Net Revenue (Fund 550)			100,000	100,000						100,000
	Total	-	-	100,000	100,000	-	-	-	-	-	100,000
<b>5</b>	<b>WWTP 2 Upgrades (New Headworks, Biological Nutrient Removal Rehab, Odor)</b>	-	-	-	-	-	<b>1,981,766</b>	<b>4,102,256</b>	<b>2,122,918</b>	<b>2,122,918</b>	<b>10,329,857</b>
	Design and Engineering					-	250,000	300,000	150,000	150,000	850,000
	Construction					-	1,681,766	3,502,256	1,850,000	1,850,000	8,884,022
	Construction Management					-	50,000	300,000	122,918	122,918	595,835
	Total	-	-	-	-	-	1,981,766	4,102,256	2,122,918	2,122,918	10,329,857
	Utility Net Revenue (Fund 550)					-	1,730,258	3,847,061	1,872,377	1,860,190	9,309,886
	Wastewater Impact Fees (Fund 555)					-	251,508	255,195	250,541	262,728	1,019,972
	Total	-	-	-	-	-	1,981,766	4,102,256	2,122,918	2,122,918	10,329,858
<b>6</b>	<b>Install/Replace Sanitary Sewer Lines</b>	-	-	<b>997,509</b>	<b>997,509</b>	<b>1,000,000</b>	<b>1,500,000</b>	<b>2,600,000</b>	<b>2,650,000</b>	<b>2,650,000</b>	<b>11,397,509</b>
	Design and Engineering			99,751	99,751	100,000	150,000	260,000	265,000	265,000	1,139,751
	Construction			798,007	798,007	800,000	1,200,000	2,080,000	2,120,000	2,120,000	9,118,007
	Construction Management and Inspection			99,751	99,751	100,000	150,000	260,000	265,000	265,000	1,139,751
	Total	-	-	997,509	997,509	1,000,000	1,500,000	2,600,000	2,650,000	2,650,000	11,397,509
	Utility Net Revenue (Fund 550)			997,509	997,509	1,000,000	1,500,000	2,600,000	2,650,000	2,650,000	11,397,509
	Total	-	-	997,509	997,509	1,000,000	1,500,000	2,600,000	2,650,000	2,650,000	11,397,509



**FY2019 ICIP: Wastewater**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>7</b>	<b>Security Improvements at WWTPs and Lift Stations: Servers, Electronics, and Hardening</b>	-	-	<b>110,000</b>	<b>110,000</b>	<b>113,850</b>	<b>117,835</b>	<b>121,959</b>	<b>126,228</b>	<b>130,645</b>	<b>720,517</b>
	Design and Engineering			16,500	16,500	17,078	17,675	18,294	18,934	19,597	108,078
	Construction			93,500	93,500	96,773	100,160	103,665	107,293	111,049	612,439
	<b>Total</b>	-	-	<b>110,000</b>	<b>110,000</b>	<b>113,850</b>	<b>117,835</b>	<b>121,959</b>	<b>126,228</b>	<b>130,645</b>	<b>720,517</b>
	Utility Net Revenue (Fund 550)			110,000	110,000	113,850	117,835	121,959	126,228	130,645	720,517
	<b>Total</b>	-	-	<b>110,000</b>	<b>110,000</b>	<b>113,850</b>	<b>117,835</b>	<b>121,959</b>	<b>126,228</b>	<b>130,645</b>	<b>720,517</b>
<b>8</b>	<b>Vehicles and Heavy Equipment</b>	<b>1,203,355</b>	<b>36,649</b>	<b>7,250</b>	<b>43,899</b>	<b>50,000</b>	<b>50,000</b>	<b>26,000</b>	-	<b>45,000</b>	<b>214,899</b>
	Utility Net Revenue (Fund 512)	1,203,355	36,649	7,250	43,899	50,000	50,000	26,000	-	45,000	214,899
	<b>Total</b>	<b>1,203,355</b>	<b>36,649</b>	<b>7,250</b>	<b>43,899</b>	<b>50,000</b>	<b>50,000</b>	<b>26,000</b>	-	<b>45,000</b>	<b>214,899</b>
<b>9</b>	<b>NM 528 Relief Force Main from Willow Creek to Lift Station 15</b>	-	-	-	-	-	<b>600,000</b>	<b>2,000,000</b>	-	-	<b>2,600,000</b>
	Design and Engineering						240,000				240,000
	Construction						300,000	1,800,000			2,100,000
	Construction Management						60,000	200,000			260,000
	<b>Total</b>	-	-	-	-	-	<b>600,000</b>	<b>2,000,000</b>	-	-	<b>2,600,000</b>
	Utility Net Revenue (Fund 550)						600,000	2,000,000			2,600,000
	<b>Total</b>	-	-	-	-	-	<b>600,000</b>	<b>2,000,000</b>	-	-	<b>2,600,000</b>



**FY2019 ICIP: Wastewater**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>10</b>	<b>SCADA Improvements</b>	-	-	<b>75,000</b>	<b>75,000</b>	<b>77,625</b>	<b>80,342</b>	<b>83,154</b>	<b>86,064</b>	<b>89,076</b>	<b>491,261</b>
	Utility Net Revenue (Fund 550)			75,000	75,000	77,625	80,342	83,154	86,064	89,076	491,261
	Total	-	-	75,000	75,000	77,625	80,342	83,154	86,064	89,076	491,261
<b>11</b>	<b>Lift Station 15 Property Purchase</b>	-	<b>500,000</b>	-	<b>500,000</b>	-	-	-	-	-	<b>500,000</b>
	Utility Net Revenue (Fund 550)	-	500,000	-	500,000	-	-	-	-	-	500,000
	Total	-	500,000	-	500,000	-	-	-	-	-	500,000
<b>12</b>	<b>Major Equipment for Wastewater Treatment and Rehab of Lift Stations</b>	<b>184,570</b>		<b>227,717</b>	<b>227,717</b>	<b>232,950</b>	<b>319,608</b>	<b>248,982</b>	<b>268,079</b>	<b>268,907</b>	<b>1,566,243</b>
	Utility Net Revenue (Fund 501)	184,570		227,717	227,717	232,950	319,608	248,982	268,079	268,907	1,566,243
	Total	184,570	-	227,717	227,717	232,950	319,608	248,982	268,079	268,907	1,566,243
<b>13</b>	<b>Solids Handling Rehabilitation WWTP 2</b>	-	-	<b>200,000</b>	<b>200,000</b>	<b>800,000</b>	<b>853,400</b>	-	-	-	<b>1,853,400</b>
	Design and Engineering			200,000	200,000						200,000
	Construction				-	800,000	853,400				1,653,400
	Total	-	-	200,000	200,000	800,000	853,400	-	-	-	1,853,400
	Utility Net Revenue (Fund 550)			200,000	200,000	800,000	853,400				1,853,400
	Total	-	-	200,000	200,000	800,000	853,400	-	-	-	1,853,400



**FY2019 ICIP: Wastewater**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
<b>14</b>	<b>Relocate Entrance WWTP 2</b>	-	-	-	-	-	-	-	-	<b>500,000</b>	<b>500,000</b>
	Design and Engineering				-					50,000	50,000
	Construction				-					450,000	450,000
					-						-
	<b>Total</b>	-	-	-	-	-	-	-	-	<b>500,000</b>	<b>500,000</b>
	Utility Net Revenue (Fund 550)				-					500,000	500,000
	<b>Total</b>	-	-	-	-	-	-	-	-	<b>500,000</b>	<b>500,000</b>
<b>15</b>	<b>WWTP 5 Mariposa Membranes and Equipment Expansion</b>	-	-	-	-	<b>103,500</b>	<b>618,000</b>	<b>1,491,000</b>	-	-	<b>2,212,500</b>
	Design and Engineering				-	103,500					103,500
	Construction				-		618,000	1,491,000			2,109,000
					-						-
	<b>Total</b>	-	-	-	-	<b>103,500</b>	<b>618,000</b>	<b>1,491,000</b>	-	-	<b>2,212,500</b>
	Utility Net Revenue (Fund 550)				-	103,500	618,000	1,491,000			2,212,500
	<b>Total</b>	-	-	-	-	<b>103,500</b>	<b>618,000</b>	<b>1,491,000</b>	-	-	<b>2,212,500</b>
<b>16</b>	<b>Biological Nutrient Removal Expansion WWTP 2</b>	-	-	-	-	-	-	-	-	<b>4,000,000</b>	<b>4,000,000</b>
	Utility Net Revenue (Fund 550)				-					4,000,000	4,000,000
	<b>Total</b>	-	-	-	-	-	-	-	-	<b>4,000,000</b>	<b>4,000,000</b>
<b>17</b>	<b>Injection Wells and Advance Water Treatment Facility</b>	-	-	-	-	<b>1,300,000</b>	<b>3,750,000</b>	-	-	-	<b>5,050,000</b>
	Utility Net Revenue (Fund 552)				-	1,300,000	3,750,000				5,050,000
	<b>Total</b>	-	-	-	-	<b>1,300,000</b>	<b>3,750,000</b>	-	-	-	<b>5,050,000</b>



**FY2019 ICIP: Wastewater**

Rank	Project	Project to Date	FY2019 Additional Spending	FY2019 Budget	FY2019 Total	FY2020	FY2021	FY2022	FY2023	FY2024	FY2019-FY2024
	<b>GRAND TOTAL</b>	<b>3,408,480</b>	<b>24,031,065</b>	<b>2,628,583</b>	<b>26,659,648</b>	<b>5,954,925</b>	<b>9,870,951</b>	<b>10,673,351</b>	<b>5,253,288</b>	<b>9,806,546</b>	<b>68,218,709</b>
	Utility Net Operating Revenue	1,695,035	536,649	2,397,476	2,934,125	5,518,610	9,619,443	10,418,156	5,002,747	9,543,818	43,036,899
	Loan Proceeds	1,713,445	23,494,416	231,107	23,725,523	-	-	-	-	-	23,725,523
	Bond Proceeds										
	State Grants										-
	Federal Grants										
	Water Rights Acquisition Fees										
	Wastewater Impact Fees	-	-	-	-	436,315	251,508	255,195	250,541	262,728	1,456,287

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## **Wastewater Treatment Projects**

### **WWTP#1 Replacement (WW1494 and WW1620)**

The project consists of replacing WWTP#1 to include construction of a new lift station to be located at 4300 Sara Road; force main from the new lift station to WWTP#6; Lift Station 2 Replacement; WWTP#6 expansion to 1.8 million gallons per day (MGD) treatment capacity; and an 18” sanitary sewer line from the existing manhole west of the Black Arroyo channel to the street crossing of Golf Course Road and 23rd Avenue. The existing plant is an aged treatment facility constructed in the early 1970s and has exceeded its useful life. The city intends to replace its capacity to treat existing flows, accommodate increased flows in the service area, and to enhance the system’s ability to meet the stringent effluent standards required for the Advanced Water Treatment Facility (AWTF). Preliminary engineering related to the plant’s replacement was completed in fall 2015 and proposals for design services were accepted in early 2018. Design will be completed in fall 2018 and construction will commence thereafter. Financing for design and construction activities consists of a \$25 million limited obligation loan.

## **Sewer Lines**

### **Southern Boulevard Wastewater Line Replacement (WW1889)**

Water main line replacement, sewer main lowering, and sewer service replacements will occur concurrent with the roadway reconstruction project from NM 528 to Golf Course Road to commence construction in spring 2018. Funding consists of utility net revenue in the aggregate amount of \$2,481,693 for all utility related work.

## **Other Major Wastewater Capital Expenditures**

### **Vehicles and Heavy Equipment**

The Utilities Department acquired several vehicles and pieces of heavy equipment for use in wastewater system operations in FY2018 with a particular focus on replacement of aged vehicles and equipment. Total cost in FY2018 was \$238,939 utilizing utility net operating sources.

- Replacement pick-up trucks: \$53,573
- New covered trailer and new dump trailer: \$15,100
- T800 Kenworth tractor with 3,600 gallon vacuum tank: \$170,266

## **City of Rio Rancho Capital Improvement Policy**

### **Purpose:**

In order to promote consistency and continuity in decision making related to capital improvement planning and to set the general parameters within which capital spending decisions are made, the following policy is established for the City's Capital Improvement Program. As a matter of general policy, the goals of the City's Capital Improvement Program are:

1. Consistently make decisions related to capital improvement aligned with overall City goals and objectives regarding the physical and economic development of the community, asset management, and the provision of public services.
2. Promote financial stability and focus attention on the City's long term financial capacity to meet capital needs.
3. Effectively communicate the City's priorities and plans for undertaking capital projects to internal and external stakeholders.

The policy is designed to capture the following elements of the Capital Improvement Program:

1. Capital Improvement Plan Formulation
2. Capital Improvement Plan relationship to the Capital Budget
3. Project Financing
4. Post Project Evaluation

### **Capital Improvement Plan Formulation:**

#### *Capital Improvement Program*

The Capital Improvement Program (CIP) consists of cross departmental activities designed to identify, plan, finance, and undertake acquisition of long lived capital assets necessary to meet service level goals and objectives. The Capital Improvement Program functions as:

1. A multi-year projection of the City's major capital needs.
2. A formal mechanism for decision making related to planning and budgeting for major capital acquisitions.
3. A link to the City's long range plans concerning the economic and physical development of the community, and the provision of public services.
4. A financial management tool identifying future financing requirements for major capital acquisitions over the planning period.
5. A communications device for reporting to internal and external stakeholders the City's capital priorities, and plans for implementing capital projects.

The major output of the program is the annually updated Infrastructure Capital Improvement Plan (ICIP). The ICIP plans for the allocation of existing and anticipated financial resources to replace, renew, expand, or acquire new capital stock, facilities, and infrastructure. The ICIP is a six (6) year plan identifying the priority, scheduling, and financing of major capital projects to be undertaken over the planning period. The ICIP represents a management and financial plan to guide capital financing and acquisition activities and is subject to annual review and modification by City staff, and approval by the Governing Body as part of the budget process.

#### *Definition Statement of a Capital Project*

Notwithstanding the definition of capital items and fixed assets established for capital budgeting and accounting, capital projects shall be define for the purposes of the ICIP as follows:

A capital project is an outlay that results in or contributes to, the acquisition of or addition to a capital asset with an anticipated cost equal to or exceeding five thousand dollars (\$5,000) and with an anticipated useful life equal to or exceeding two (2) years. This definition includes but is not limited to, capital projects undertaken to:

1. Acquire new or expand existing physical facilities or infrastructure.
2. Acquire large scale renewal, improvement, or replacement of physical facilities or infrastructure that is not routine maintenance. Renewal and improvement expenditures are those that improve an asset's productivity, significantly extend its useful life, or change the character of the asset.
3. Acquire major pieces of equipment, vehicles, and other capital stock, including expenditures when aggregated or consolidated into a single project meet both criteria set forth above.
4. Procure engineering or architectural studies and services related to public improvements.
5. Acquire land or make improvements to land.

Projects meeting the above definition shall be eligible for consideration and inclusion in the annually updated ICIP. Any and all expenditures meeting the criteria for fixed assets as defined by the City's Fixed Asset Policy shall continue to be budgeted and accounted for as capital expenditures, however, will not be eligible for inclusion in the ICIP unless they meet the above definition of a capital project. Staff questions regarding the definition of a capital project should contact the Financial Services Department.

#### *ICIP Development Responsibility*

The Department of Financial Services shall have lead responsibility in coordinating the tasks and activities necessary to successfully administer the Capital Improvement Program, including but not limited to establishing policies, procedures, schedules and deadlines for ICIP formulation, defining roles and responsibilities of CIP participants, obtaining relevant and reliable documentation and information for capital projects,

establishing project evaluation criteria and rating systems, developing the ICIP document for Governing Body approval, and monitoring implementation of capital planning efforts.

#### *Project Requests and Consideration*

In order to evaluate the merits of capital project requests and to allow each project due process in evaluations, capital projects proposed during the annual ICIP process shall be accompanied, at a minimum, by the following information:

1. Project Title, Physical Description, and Definition of Scope
2. Demonstration/Justification of Need
3. Project Schedule
4. Capital Cost Estimate
5. Statement of Impact on the Operating Budget
6. Relationship to other Planned Projects
7. Project's Department Rank Priority
8. Recommended/Anticipated Funding Sources

The Department of Financial Services shall establish forms, instructions, deadlines, and procedures for project submittal and review.

#### *Project Selection*

To ensure capital programming and financial decisions are consistent with community goals, values, and needs, the City shall utilize, to the greatest extent possible and where appropriate, specific logical methods of decision making to:

1. Develop options for meeting capital needs and evaluating project alternatives.
2. Develop a Infrastructure Capital Improvement Plan (ICIP).

The Department of Financial Services shall develop and disseminate procedural guidelines for project evaluation and selection.

#### Infrastructure Capital Improvement Plan and the Capital Budget:

The ICIP represents the City's multi-year projection of capital needs and is a picture of future financing requirements, plans, and project scheduling. The ICIP does not impart spending authority for capital projects, but rather constitutes the primary basis upon which the annual capital budget is formulated. While the ICIP is a management plan, the capital budget is the current year spending authorization for capital expenditures, including capital projects identified in the ICIP.

The following policies apply to the relationship between the ICIP and the capital budget, and the formulation of the annual capital budget:

1. The City shall enact an annual capital budget based on capital project priorities and schedules as established in the multi-year ICIP.
2. The annual capital budget shall be developed and adopted concurrently with the annual operating budget. Operating impacts of capital expenditures shall be projected and included in operating budget forecasts.
3. Transition of a capital project from a planned expenditure in the ICIP to an appropriated one in the annual capital budget shall be achieved through the annual budget process by which staff submits capital outlay requests as part of their overall budget requests for the upcoming fiscal year.

#### Project Financing:

The City recognizes that an effective capital funding strategy requires consideration of a broad mix of funding mechanisms, including but not limited to pay as you go, grants, and debt. The City will maintain a balanced mix of financing sources without excessive reliance on any one source, and shall consider the following factor in evaluating the suitability of funding options for particular projects:

1. Legality
2. Equity
3. Effectiveness
4. Acceptability
5. Affordability
6. Ease of Administration
7. Efficiency

#### *Pay-as-You-Go and Pay-as-You-Use Financing*

Pay-as-you-go financing refers to the use of current financial resources to fund capital projects, including current revenues, fund balances, grants, and donations. Pay-as-you-use financing refers the issuance of various debt instruments to fund capital projects. In considering which funding method to utilize for particular projects, the City shall strive to match benefit streams to cost streams as closely as possible over the anticipated useful life of the project and across constituency groups to achieve intergenerational and intra-jurisdictional equity respectively in project financing arrangements.

Regarding intergovernmental grants and private donations, the City will seek to leverage such resources whenever available provide those capital projects identified are consistent with capital improvement plans and City priorities, and whose operating impact have been documented in operating budget forecasts.

Post Project Evaluation:

*Capital Inventory*

The City shall maintain its capital asset inventory at a level adequate to protect the City's capital investment, avoid disruption of service delivery, and to minimize future maintenance and replacement costs. To that end, the City shall conduct and prepare a capital assets inventory biannually to report on the age, condition, and replacement cost of major capital assets.

*Project Progress Reporting*

The Department of Finance shall establish procedural guidelines for project progress reporting as part of the annual capital budget and ICIP development processes.

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## **City of Rio Rancho Impact Fee Capital Improvement Policy**

### **Purpose:**

In order to promote consistency and continuity in decision making related to impact fee system improvement planning and to set the general parameters for how impact fee spending and impact fee credit decisions are made, the following policy is established for the City's Impact Fee Capital Improvements Plan (IFCIP). As a matter of general policy, the goals of the City's IFCIP are:

1. Consistently make decisions related to impact fee spending and issuance of impact fee credits that are aligned with overall City goals and objectives regarding the physical and economic development of the community, asset management, and the provision of public services.
2. Promote financial stability and focus attention on the City's long term financial capacity to meet growth needs.
3. Effectively communicate the City's priorities and plans for undertaking impact fee projects to internal and external stakeholders.

The policy is designed to capture the following elements of the IFCIP:

1. Impact Fee Project Formulation
2. IFCIP relationship to the Capital Budget
3. Impact Fee Project Financing
4. Issuance of Impact Fee credits including excess credits
5. Post Impact Fee Project Evaluation

### **Impact Fee Project Formulation:**

The IFCIP is a plan required by the New Mexico Development Fees Act that identifies capital improvements or facility expansions for which impact fees may be assessed.

### ***IFCIP***

The IFCIP consists of cross departmental activities designed to identify, plan, finance, and undertake construction of long lived capital assets necessary to meet growth service level goals and objectives. The IFCIP functions as:

1. A multi-year projection of the City's Impact Fee needs and revenues.
2. A formal mechanism for decision making related to planning and budgeting for impact fee spending and issuance of impact fee credits.
3. A link to the City's long range plans concerning the economic and physical development of the community, and the provision of public services.
4. A financial management tool identifying future financing requirements for impact fee spending and issuance of impact fee credits over the planning period.

5. A communications device for reporting to internal and external stakeholders the City's Impact Fee priorities and plans for implementing Impact Fee projects.

The major output of the IFCIP is the annually updated proposed impact fee projects. The IFCIP plans for the allocation of existing and anticipated resources to expand, or acquire new capital stock, facilities, and infrastructure. The IFCIP is a six (6) year plan identifying the priority, scheduling, and impact fee capital projects to be undertaken over the planning period. The IFCIP represents a management and financial plan to guide Impact Fee capital financing and acquisition activities and is subject to annual review and modification by City staff and approval by the Governing Body as part of the budget process.

#### *Definition Statement of a Impact Fee Capital Project*

Notwithstanding the definition of capital items and fixed assets established for capital budgeting and accounting, impact fee capital projects shall be defined for the purposes of the IFCIP as follows:

An impact fee capital improvement is: Any of the following facilities that have a life expectancy of ten or more years and are owned and operated by or on behalf of the City:

- (1) Roadway facilities, including roads, bridges, bus bays, rights-of-way, traffic signals, landscaping and local components of state and federal highways;
- (2) Bikeways and trails;
- (3) Parks, recreational areas, open space trails and related areas and facilities;
- (4) Buildings for fire, police and rescue essential equipment costing \$10,000 or more and having a life expectancy of ten years or more.
- (5) Water and wastewater facilities, including wells, transmission mains, storage reservoirs, collection mains, lift stations, wastewater treatment plants.
- (6) Drainage facilities, including regional facilities typically constructed by the Southern Sandoval County Arroyo Flood Control Authority and local facilities typically constructed by the City of Rio Rancho. Regional facilities include storm water conveyances of more than 500 cubic feet per second.

Projects meeting the above definition shall be eligible for consideration and inclusion in the annually updated IFCIP. Questions regarding the definition of an Impact Fee capital project should contact the Development Services Department (DSD).

#### *IFCIP Development Responsibility*

All impact fee implementing Departments, DSD, and Department of Financial Services shall have responsibility to identify the Impact Fee Capital Improvement projects contained in the IFCIP. Each implementing Department shall be the lead in coordinating the tasks and activities necessary to successfully implement the Impact Fee Capital Improvement projects in their respective Department.

All impact fee implementing Departments, DSD and DFS shall be responsible for project evaluation and project rating.

The DFS shall be responsible for developing the IFCIP document for Governing Body approval and monitoring implementation of the impact fees projects.

#### *Project Requests and Consideration*

In order to evaluate the merits and allow due process of proposed impact fee project requests, each proposed project shall be accompanied, at a minimum, by the following information:

1. Project Title, Physical Description, and Definition of Scope
2. Demonstration/Justification of Need
3. Project Schedule
4. Capital Cost Estimate
5. Statement of Impact on the Operating Budget
6. Relationship to other Planned Projects
7. Project's Department Rank Priority
8. Recommended/Anticipated additional Funding Sources

The DFS shall establish forms, instructions, deadlines, and procedures for project submittal and review.

#### *Project Selection*

To ensure Impact Fee capital programming and financial decisions are consistent with community goals, values, and needs, the City shall utilize, to the greatest extent possible and where appropriate, specific logical methods of decision making to:

1. Develop options for meeting growth capital needs and evaluating project alternatives.
2. Develop an IFCIP.

#### IFCIP relationship to the Capital Budget:

The IFCIP represents the City's multi-year projection of impact fee capital needs and is a picture of future financing requirements, plans, and project scheduling. The IFCIP does not impart spending authority for capital projects, but rather constitutes the primary basis upon which the annual capital budget is formulated. While the IFCIP is a management plan, the capital budget is the current year spending authorization for impact fee expenditures. The following policies apply to the relationship between the IFCIP and the capital budget, and the formulation of the annual capital budget:

1. The City shall enact an annual impact fee capital budget based on impact fee projections, project priorities and schedules as established in multi-year IFCIP.

2. The annual Impact Fee capital budget shall be developed and adopted concurrently with the annual operating budget. Operating impacts of Impact Fee expenditures shall be projected and included in operating budget forecasts.
3. An Impact fee project proceeds from a planned expenditure in the IFCIP to an appropriated one in the annual Impact Fee budget and shall be achieved through the annual budget process by which staff submits capital outlay requests as part of their overall budget requests for the upcoming fiscal year.

#### Impact Fee Project Financing:

The City recognizes that an effective Impact Fee funding strategy requires a fiscally constrained budget. The City will maintain a fiscally constrained impact fee budget and shall consider the following factors in evaluating the suitability of impact fees for particular projects:

1. Legality
2. Equity
3. Effectiveness
4. Acceptability
5. Affordability
6. Ease of Administration
7. Efficiency

#### Issuance of Impact Fee Credits including Excess Credits:

Impact fee credit is the value of payments, contributions, dedication and improvements made by developments towards the cost of existing or future system improvements. System improvements are capital improvements that are public facilities designed to provide service to more than one development project or to the community at large. Excess impact fee credit is that portion of the credit granted to the credit holder for system improvements which exceed the value of the impact fees otherwise due from the development. Impact fee credits are assigned to specific categories of improvements. The specific categories are roadways, bikeways and trails, parks, public safety facilities, water and wastewater utilities and drainage facilities.

Impact fee credits shall only be issued for implementing system level improvements that are contained in the IFCIP. The amount of impact fee credits, including excess credit, issued in any given year may not exceed the amount identified in the IFCIP for that given year. Impact fee credits shall be granted in accordance with the City's Impact Fee Ordinance.

A development agreement (DA) consistent with the general provisions of the Impact Fee Ordinance specifying the project and memorializing the terms of the construction, the estimated cost of the system improvements, the schedule for initiation and completion of the system improvements, a requirement that the system improvements be completed to accepted city standards, and such other terms and conditions as deemed necessary by the

city to provide a complete understanding for the issuing of impact fee credits shall be executed prior to any credits being issued. A DA shall not substitute for a financial guarantee.

The DSD shall be responsible for preparing the DA and identifying project and the specific project items that are eligible for impact fee credits. DSD will seek and consider comments from the City implementing Departments.

Post Impact Fee Project Evaluation:

*Capital Inventory*

The City shall maintain its capital asset inventory at a level adequate to protect the City's capital investment, avoid disruption of service delivery, and to minimize future maintenance and replacement costs. To that end, the City shall conduct and prepare a capital assets inventory biannually to report on the age, condition, and replacement cost of major capital assets.

*Project Progress Reporting*

The DFS shall establish procedural guidelines for project progress reporting as part of the annual capital budget and IFCIP development processes.

## Impact Fee Capital Improvement Plan (IFCIP): FY2019-2024

		Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	TOTAL
<b>DEVELOPMENT ASSUMPTIONS<sup>1</sup></b>		2019	2020	2021	2022	2023	2024	
Number of Projected Single Family Units Permitted		506	514	521	529	537	545	3,152
Number of Projected Multifamily Units Permitted		0	0	0	0	0	0	0
Number of Retail Commercial Square Footage Permitted		62,746	63,687	64,642	65,612	66,596	67,595	390,878
Number of Office/Institutional Square Footage Permitted		58,383	59,492	60,623	61,775	62,948	64,144	367,365
Number of Industrial Square Footage Permitted		18,258	12,354	12,478	12,603	12,729	12,856	81,278
Total Number of Non Residential Square Footage Permitted		139,387	135,533	137,743	139,990	142,273	144,595	839,521
<b>Roads/Fund 351</b>		ICIP Rank						
Unser Blvd-Phase IIB- Cherry Road to Paseo del Volcan (PdV)	5	101,124	198,890					300,014
Lincoln Avenue Improvements-Interim 2 Lane Roadway	7			316,471	346,162			662,633
Northern Blvd. Widening Phase II Design and R/W (Broadmoor Blvd. to Unser Blvd.)	9			384,384				384,384
Broadmoor Blvd. Phase II R/W (Northern Blvd. to Paseo del Volcan)	10					809,180	427,302	1,236,482
Total City Funded Projects*		101,124	198,890	700,855	346,162	809,180	427,302	2,583,513
<b>Developer Contributions and Impact Fee Eligible Projects</b>		Estimated Cost						
Edinburgh Area <sup>2</sup>		3,920,387						
High Range 4		812,136						
Hawksite		6,944,013						
Lomas Encantadas		1,278,000						
Mariposa		3,833,750						
Westside Boulevard west of Unser Blvd <sup>3</sup>		16,663,714						
Loma Colorado - Paseo del Volcan to Aloe Circle – includes signal at PDV & Loma Colorado <sup>3</sup>		6,298,312						
<b>TOTAL</b>		<b>39,750,311</b>						

\*Impact Fee Credits are estimated to reduce total projected impact fee revenue by 80% due to existing development agreements for which the City is obligated to give credits as applications for development units are made during the planning period.

\*The Fiscal Year 2019 budgetary ending fund balance is \$789,926; \$173,840 of which is reserved for contingencies. Allocation of the ending fund balance shall be made to projects at the discretion of the Impact Fee Administrator, City Manager, and Governing Body. The City anticipates expending nearly all of the accumulated unreserved fund balance by FY2024.

## Impact Fee Capital Improvement Plan (IFCIP): FY2019-2024

		Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	TOTAL
<u>DEVELOPMENT ASSUMPTIONS<sup>1</sup></u>		2019	2020	2021	2022	2023	2024	
Number of Projected Single Family Units Permitted		506	514	521	529	537	545	3,152
Number of Projected Multifamily Units Permitted		0	0	0	0	0	0	0
Number of Retail Commercial Square Footage Permitted		62,746	63,687	64,642	65,612	66,596	67,595	390,878
Number of Office/Institutional Square Footage Permitted		58,383	59,492	60,623	61,775	62,948	64,144	367,365
Number of Industrial Square Footage Permitted		18,258	12,354	12,478	12,603	12,729	12,856	81,278
Total Number of Non Residential Square Footage Permitted		139,387	135,533	137,743	139,990	142,273	144,595	839,521
<b><u>Bikeways and Trails/Fund 352</u></b>	ICIP Rank							
								-
								-
Total City Funded Projects*		-	-	-	-	-	-	-
<u>Developer Contributions and Impact Fee Eligible Projects</u>		Estimated Cost						
Edinburgh Area <sup>2</sup>		126,074						
High Range 4		46,212						
Lomas Encantadas		48,900						
TOTAL		221,186						
*Impact Fee Credits are estimated to reduce total projected impact fee resources by 70% due to existing development agreements for which the City is obligated to give credits as applications for development units are made during the planning period.								
*The Fiscal Year 2019 budgetary ending fund balance is \$62,999; \$3,057 of which is reserved for contingencies. Allocation of the ending fund balance shall be made to projects at the discretion of the Impact Fee Administrator, City Manager, and Governing Body.								

## Impact Fee Capital Improvement Plan (IFICIP): FY2019-2024

		Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	TOTAL
<u>DEVELOPMENT ASSUMPTIONS<sup>1</sup></u>		2019	2020	2021	2022	2023	2024	
Number of Projected Single Family Units Permitted		506	514	521	529	537	545	3,152
Number of Projected Multifamily Units Permitted		0	0	0	0	0	0	0
Number of Retail Commercial Square Footage Permitted		62,746	63,687	64,642	65,612	66,596	67,595	390,878
Number of Office/Institutional Square Footage Permitted		58,383	59,492	60,623	61,775	62,948	64,144	367,365
Number of Industrial Square Footage Permitted		18,258	12,354	12,478	12,603	12,729	12,856	81,278
Total Number of Non Residential Square Footage Permitted		139,387	135,533	137,743	139,990	142,273	144,595	839,521
<b><u>Parks/Fund 353</u></b>		ICIP Rank						
A Park Above Parking Lot	3	100,203						100,203
Sports Complex North	8	99,996	101,496	103,019	104,564	106,133	107,724	622,932
Total City Funded Projects*		200,199	101,496	103,019	104,564	106,133	107,724	723,135
<u>Developer Contributions and Impact Fee Eligible Projects</u>		Estimated Cost						
Edinburgh Area <sup>2</sup>		1,052,575						
Hawksite		1,520,992						
Lomas Encantadas		1,468,280						
Mariposa		29,280						
Overflow Parking Lot-A Park Above		125,000						
<b>TOTAL</b>		<b>4,196,127</b>						
*Impact Fee Credits are estimated to reduce total projected impact fee resources by 75% due to existing development agreements for which the City is obligated to give credits as applications for development units are made during the planning period.								
*The Fiscal Year 2019 budgetary ending fund balance is \$41,871, all of which is reserved for contingencies. Allocation of the ending fund balance shall be made to projects at the discretion of the Impact Fee Administrator, City Manager, and Governing Body.								

## Impact Fee Capital Improvement Plan (IFCIP): FY2019-2024

		Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	TOTAL
<u>DEVELOPMENT ASSUMPTIONS<sup>1</sup></u>		2019	2020	2021	2022	2023	2024	
Number of Projected Single Family Units Permitted		506	514	521	529	537	545	3,152
Number of Projected Multifamily Units Permitted		0	0	0	0	0	0	0
Number of Retail Commercial Square Footage Permitted		62,746	63,687	64,642	65,612	66,596	67,595	390,878
Number of Office/Institutional Square Footage Permitted		58,383	59,492	60,623	61,775	62,948	64,144	367,365
Number of Industrial Square Footage Permitted		18,258	12,354	12,478	12,603	12,729	12,856	81,278
Total Number of Non Residential Square Footage Permitted		139,387	135,533	137,743	139,990	142,273	144,595	839,521
<b>Public Safety-Fund 354</b>		ICIP Rank						
<b>FIRE</b>								
Fire and EMS Apparatus and Equipment > \$10K	1	150,000	200,000	-	200,000	200,000	200,000	950,000
<b>POLICE</b>								
Police Vehicles and Equipment > 10K	1			244,000		144,000		388,000
Total City Funded Projects*		150,000	200,000	244,000	200,000	344,000	200,000	1,338,000
<u>Developer Contributions and Impact Fee Eligible Projects</u>		Estimated Cost						
Lomas Encantadas		362,727						
TOTAL		362,727						

\*Estimate Public Safety Impact Fee revenue is divided between the Fire and Rescue, and Police functions according to the Public Safety Vehicle Financing Plan.

\*The Fiscal Year 2019 budgetary ending fund balance is \$135,021, \$81,778 of which is reserved for contingencies. Allocation of the ending fund balance shall be made to projects at the discretion of the Impact Fee Administrator, City Manager, and Governing Body.

## Impact Fee Capital Improvement Plan (IFCIP): FY2019-2024

		Fiscal Year	TOTAL					
<u>DEVELOPMENT ASSUMPTIONS<sup>1</sup></u>		2019	2020	2021	2022	2023	2024	
Number of Projected Single Family Units Permitted		506	514	521	529	537	545	3,152
Number of Projected Multifamily Units Permitted		0	0	0	0	0	0	0
Number of Retail Commercial Square Footage Permitted		62,746	63,687	64,642	65,612	66,596	67,595	390,878
Number of Office/Institutional Square Footage Permitted		58,383	59,492	60,623	61,775	62,948	64,144	367,365
Number of Industrial Square Footage Permitted		18,258	12,354	12,478	12,603	12,729	12,856	81,278
Total Number of Non Residential Square Footage Permitted		139,387	135,533	137,743	139,990	142,273	144,595	839,521
<b><u>Drainage-Fund 355</u></b>		ICIP Rank						
City Center Facility Plan-Storm Drainage & Land Acquisition	4		800,348	158,029	160,399	162,806	165,247	1,446,829
								-
Total City Funded Projects*		-	800,348	158,029	160,399	162,806	165,247	1,446,829
<u>Developer Contributions and Impact Fee Eligible Projects</u>		Estimated						
		Cost						
Edinburgh Area Drainage Infrastructure <sup>2</sup>		267,346						
<b>TOTAL</b>		267,346						

\*The Fiscal Year 2019 budgetary ending fund balance is \$665,403, \$79,069 of which is reserved for contingencies. Allocation of the ending fund balance shall be made to projects at the discretion of the Impact Fee Administrator, City Manager, and Governing Body.

## Impact Fee Capital Improvement Plan (IFCIP): FY2019-2024

		Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	TOTAL
<b>DEVELOPMENT ASSUMPTIONS<sup>1</sup></b>		2019	2020	2021	2022	2023	2024	
Number of Projected Single Family Units Permitted		506	514	521	529	537	545	3,152
Number of Projected Multifamily Units Permitted		0	0	0	0	0	0	0
Number of Retail Commercial Square Footage Permitted		62,746	63,687	64,642	65,612	66,596	67,595	390,878
Number of Office/Institutional Square Footage Permitted		58,383	59,492	60,623	61,775	62,948	64,144	367,365
Number of Industrial Square Footage Permitted		18,258	12,354	12,478	12,603	12,729	12,856	81,278
Total Number of Non Residential Square Footage Permitted		139,387	135,533	137,743	139,990	142,273	144,595	839,521
<b>Water-Fund 545</b>		ICIP Rank						
Redrill Well 13 and Equip for Arsenic Removal	1	400,000	1,300,000	1,277,704				2,977,704
New Well 9 Water Storage Tank	3		500,000					500,000
Booster Station and Transmission Line Well 17	15				400,000	662,387	543,277	1,605,664
Total City Funded Projects*		400,000	1,800,000	1,277,704	400,000	662,387	543,277	5,083,368
<b>Developer Contributions and Impact Fee Eligible Projects</b>		Estimated Cost						
Edinburgh Area Water Infrastructure <sup>2</sup>		763,383						
Hawksite		1,146,660						
Wellspring/21st Avenue to 22nd Avenue - 10" Water Main		54,000						
16" Waterline Southern Blvd. between Atlantic Rd. and Nyasa Rd. (0.3 miles)		TBD						
16" Waterline 15th St. from Southern Blvd. to Viga Rd. down to 11th St. through development		TBD						
16" Waterline on Westside Blvd.		TBD						
<b>TOTAL</b>		<b>1,964,043</b>						
*Impact Fee Credits are estimated to reduce total projected impact fee resources by 75% due to existing development agreements for which the City is obligated to give credits as applications for development units are made during the planning period.								
*The Fiscal Year 2019 budgetary ending fund balance is \$2,465,487. Allocation of the ending fund balance shall be made to projects at the discretion of the Impact Fee Administrator, City Manager, and Governing Body.								

## Impact Fee Capital Improvement Plan (IFCIP): FY2019-2024

		Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	TOTAL
<b>DEVELOPMENT ASSUMPTIONS<sup>1</sup></b>		2019	2020	2021	2022	2023	2024	
Number of Projected Single Family Units Permitted		506	514	521	529	537	545	3,152
Number of Projected Multifamily Units Permitted		0	0	0	0	0	0	0
Number of Retail Commercial Square Footage Permitted		62,746	63,687	64,642	65,612	66,596	67,595	390,878
Number of Office/Institutional Square Footage Permitted		58,383	59,492	60,623	61,775	62,948	64,144	367,365
Number of Industrial Square Footage Permitted		18,258	12,354	12,478	12,603	12,729	12,856	81,278
Total Number of Non Residential Square Footage Permitted		139,387	135,533	137,743	139,990	142,273	144,595	839,521
<b>Wastewater-Fund 555</b>								
	ICIP Rank							
WWTP 2 UV Improvements	3		436,315					436,315
WWTP 2 Upgrades (New Headworks, Biological Nutrient Removal Rehab, Odor Control)	5			251,508	255,195	250,541	262,728	1,019,972
Total City Funded Projects*		-	436,315	251,508	255,195	250,541	262,728	1,456,287
<b>Developer Contributions and Impact Fee Eligible Projects</b>		Estimated Cost						
Edinburgh Area Wastewater Infrastructure <sup>2</sup>		1,426,877						
Hawksite		166,582						
Morning Star (Cabezon Tract 10-B-1A) Sewer Lateral stub to serve Block 59 of Unit 16		18,000						
Cleveland Heights 15" Gravity Sewer Line		500,000						
Lift Station and Force Main Unit 10		TBD						
Reconstruct Gravity Line east of Unser Blvd. Unit 10		TBD						
<b>TOTAL</b>		<b>2,111,459</b>						
*Impact Fee Credits are estimated to reduce total projected impact fee resources by 80% due to existing development agreements for which the City is obligated to give credits as applications for development units are made during the planning period.								
*The Fiscal Year 2018 budgetary ending fund balance is \$1,263,532. Allocation of the ending fund balance shall be made to projects at the discretion of the Impact Fee Administrator, City Manager, and Governing Body.								

## Impact Fee Capital Improvement Plan (IFCIP): FY2019-2024

	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	TOTAL
DEVELOPMENT ASSUMPTIONS <sup>1</sup>	2019	2020	2021	2022	2023	2024	
Number of Projected Single Family Units Permitted	506	514	521	529	537	545	3,152
Number of Projected Multifamily Units Permitted	0	0	0	0	0	0	0
Number of Retail Commercial Square Footage Permitted	62,746	63,687	64,642	65,612	66,596	67,595	390,878
Number of Office/Institutional Square Footage Permitted	58,383	59,492	60,623	61,775	62,948	64,144	367,365
Number of Industrial Square Footage Permitted	18,258	12,354	12,478	12,603	12,729	12,856	81,278
Total Number of Non Residential Square Footage Permitted	139,387	135,533	137,743	139,990	142,273	144,595	839,521
<b>Total City Funded Projects*</b>	<b>851,323</b>	<b>3,537,049</b>	<b>2,735,115</b>	<b>1,466,320</b>	<b>2,335,047</b>	<b>1,706,278</b>	<b>12,631,132</b>
<u>Developer Contributions and Impact Fee Eligible Projects</u>	Estimated Cost						
Roads	\$ 39,750,311						
Bikeway and Trails	\$ 221,186						
Parks	\$ 4,196,127						
Public Safety	\$ 362,727						
Drainage	\$ 267,346						
Water	\$ 1,964,043						
Wastewater	\$ 2,111,459						
<b>TOTAL</b>	<b>\$ 48,873,199</b>						
<p>1. Assumptions for FY2018-2024 Projection dated 11/22/2017: Single Family Residential (SFR) Permits: 1.5% annual increase in total housing units. Non Residential (NR) square footage permit projection is based on 5 year average (FY2013-2017), excluding large office/institutional projects as follows: Retail: 1.5% annual increase in total square footage; Office/Institutional: 1.9% annual increase in total square footage; Industrial: 1.5% annual increase in total square footage. Revenue collection rates are based on recent collection experience and are assumed to be: Roads: 20%; Bikeways: 30%; Parks: 25%; Public Safety: 70%; Drainage: 100%; Water: 25%; Wastewater: 20%. 7% of Single Family Residential permits are assumed to be in areas with obsolete platting for calculation of the Drainage impact fee projection, consistent with recent experience. 0% of Nonresidential permits are assumed to be in areas with obsolete platting for calculation of Drainage impact fee projection. While some development occurs in areas with obsolete platting, there is no clear trend that may be used to make a reliable assumption about non residential development that will pay the drainage impact fee.</p>							
<p>2. Edinburgh Area Infrastructure includes Development Agreements (DA) for Milagro Mesa, Melon Ridge, Solcito, and Stonegate developments.</p>							
<p>3. Projects are on the city's 'Projects Under Consideration' List as unfunded/deferred infrastructure needs and have been identified as eligible to receive impact fee credits pursuant to Title VX, Chapter 150. Article III.</p>							

**Impact Fee Revenue Projection: Fiscal Year 2018 through Fiscal Year 2024**

	FY2015	FY2016	FY2017	FY2018 Original	FY2018 Revised	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Total
	Actual	Actual	Actual	Projection*	Budget	Projection*	Projection*	Projection*	Projection*	Projection*	Projection*	FY2018- FY2024
Roads	\$ 273,665	\$ 436,274	\$ 296,709	\$ 392,114	\$ 330,000	\$ 347,679	\$ 374,274	\$ 402,175	\$ 430,829	\$ 437,323	\$ 443,914	\$ 2,766,195
Bikeways/Trails	\$ 6,459	\$ 18,489	\$ 5,574	\$ 8,292	\$ 6,000	\$ 6,114	\$ 6,389	\$ 6,721	\$ 7,141	\$ 7,249	\$ 7,360	\$ 46,974
Parks	\$ 93,857	\$ 145,826	\$ 115,566	\$ 143,420	\$ 100,000	\$ 103,089	\$ 104,635	\$ 106,205	\$ 107,798	\$ 109,415	\$ 111,056	\$ 742,197
Public Safety	\$ 115,081	\$ 165,696	\$ 132,691	\$ 187,885	\$ 165,000	\$ 163,556	\$ 236,274	\$ 239,874	\$ 243,528	\$ 247,239	\$ 251,006	\$ 1,546,477
Drainage	\$ 119,216	\$ 266,553	\$ 166,098	\$ 178,164	\$ 160,000	\$ 158,137	\$ 160,509	\$ 162,917	\$ 165,360	\$ 167,841	\$ 170,358	\$ 1,145,122
Water	\$ 560,658	\$ 483,339	\$ 429,499	\$ 466,861	\$ 460,000	\$ 525,882	\$ 531,517	\$ 539,557	\$ 547,718	\$ 556,004	\$ 564,415	\$ 3,725,093
Wastewater	\$ 282,760	\$ 528,710	\$ 240,611	\$ 328,691	\$ 255,000	\$ 252,821	\$ 255,531	\$ 259,396	\$ 263,319	\$ 258,909	\$ 271,347	\$ 1,816,323
<b>TOTAL</b>	<b>\$ 1,451,695</b>	<b>\$ 2,044,887</b>	<b>\$ 1,386,748</b>	<b>\$ 1,705,427</b>	<b>\$ 1,476,000</b>	<b>\$ 1,557,278</b>	<b>\$ 1,669,129</b>	<b>\$ 1,716,843</b>	<b>\$ 1,765,694</b>	<b>\$ 1,783,979</b>	<b>\$ 1,819,456</b>	<b>\$ 11,788,380</b>
% Change	117%	41%	-32%	23%	6%	6%	7%	3%	3%	1%	2%	
SFR Permits	421	542	485	570	498	506	514	521	529	537	545	3,650
% Change from Previous Yr	-12%	29%	-11%	18%	3%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	
MFR Permits	0	0	0	0	0	0	0	0	0	0	0	0
Total Residential Perm	421	542	485	570	498	506	514	521	529	537	545	3,650
Retail Sq. Ft.	128,716	87,454	0	73,378	73,378	62,746	63,687	64,642	65,612	66,596	67,595	464,255
Office/Inst. Sq. Ft.	103,528	13,299	52,015	76,662	76,662	58,383	59,492	60,623	61,775	62,948	64,144	444,028
Industrial Sq. Ft.	0	85,934	0	12,136	12,136	18,258	12,354	12,478	12,603	12,729	12,856	93,413
Total NR Sq. Ft.	232,244	186,687	52,015	162,176	162,176	139,386	135,534	137,743	139,989	142,273	144,595	1,001,696

\*Assumptions for FY2018-2024 Projection dated 11/22/2017:  
 Single Family Residential (SFR) Permits: 1.5% annual increase in total housing units.  
 Drainage Impact Fee: 7% of SFR permits are assumed to occur in area of obsolete platting. No non-residential permits are assumed to occur in areas of obsolete platting. While some non-residential development occurs in areas with obsolete platting, there is no clear trend that may be used to make a reliable assumption about non residential development that will pay the drainage impact fee.  
 Non Residential (NR) square footage permit estimate based on 5 year average (FY2013-2017) excluding large office/institutional projects. Retail: 1.5% annual increase in total square footage;  
 Office/Institutional: 1.9% annual increase in total square footage; Industrial: 1.5% annual increase in total square footage.  
 Revenue collection rates are based on recent collection experience and are assumed to be: Roads: 20%; Bikeways: 30%; Parks: 25%; Public Safety: 70%; Drainage: 100%; Water: 25%; Wastewater: 20%.

**General Fund  
Capital Outlay Summary**

Item/Project	Project	Line Item	Cost Center	Projects Rollovers	Adopted FY19	Total Fund	Financial Sources
<b>Department of Parks, Recreation and Community Services</b>				<b>6,410</b>	<b>165,210</b>	<b>171,620</b>	
72" Mid Deck mower with side discharge	N/A	101-3526-452-7025	Parks and Facilities		35,608		<b>General Fund</b>
Utility Gator with Sprayer	N/A	101-3526-452-7025	Parks and Facilities		48,017		<b>General Fund</b>
Big Tex Trailer	N/A	101-3526-452-7025	Parks and Facilities		6,073		<b>General Fund</b>
Utility Tractor with Loader	N/A	101-3526-452-7025	Parks and Facilities		46,754		<b>General Fund</b>
Rake	N/A	101-3526-452-7025	Parks and Facilities		19,758		<b>General Fund</b>
72" Mid Deck Mower	N/A	101-3526-452-7025	Parks and Facilities	6,410	9,000		<b>General Fund</b>
<b>Fire and Rescue Department</b>				<b>-</b>	<b>32,112</b>	<b>32,112</b>	
Self-Contained Breathing Apparatus	N/A	101-6530-423-7025	Fire Operations		32,112		<b>General Fund</b>
<b>Total</b>				<b>\$ 6,410</b>	<b>\$ 197,322</b>	<b>\$ 203,732</b>	

**Special Funds  
Capital Outlay Summary**

Item/Project	Project	Line Item	Department	Projects Rollovers	Adopted FY19	Total Fund	Financial Sources
<b>Local Economy Development Act Fund</b>				\$	-	\$ 363,464	\$ 363,464
City Center Campus Facility	AD1816	223-0000-410-7610	Administration		363,464		Miscellaneous
<b>Law Enforcement Protection Fund</b>				\$	-	\$ 49,700	\$ 49,700
Drone Kit	N/A	241-0000-424-7025	Police		9,700		State Grant
Crime Scene Investigation System	N/A	241-0000-424-7040	Police		40,000		State Grant
<b>Traffic Safety and Education Fund</b>				\$	20,225	\$ 73,220	\$ 93,445
FY19 Police Motorcycles Replacement	PS1955	243-0000-424-7015	Police		70,000		Traffic Fines
FY18 Police Motorcycles Replacement	PS1891	243-0000-424-7015	Police	20,225	3,220		Traffic Fines
<b>Police Miscellaneous Revenue/Donations Fund</b>				\$	-	\$ 312,786	\$ 312,786
FY19 Police Vehicles	PS1906	246-0000-424-7015	Police		312,786		Automated Traffic Fines
<b>Fire Protection Fund</b>				\$	102,757	\$ 208,815	\$ 311,572
Station 1 Command Staff Bathroom	FR1972	250-0000-422-7011	Fire		7,000		State Grant
FY19 Fire Command Vehicle	FR1956	250-0000-422-7015	Fire		74,000		State Grant
FY18 Fire Command Vehicle	FR1854	250-0000-422-7015	Fire	35,214			State Grant
Self-Contained Breathing Apparatus	N/A	250-0000-422-7025	Fire		102,815		State Grant
Extrication Equipment	N/A	250-0000-422-7025	Fire	67,543	25,000		State Grant
<b>EMS Fund</b>				\$	-	\$ 10,216	\$ 10,216
Scan Extend Dual Probe Ultrasound	N/A	251-0000-423-7025	Fire		10,216		State Grant

**Special Funds  
Capital Outlay Summary**

Item/Project	Project	Line Item	Department	Projects Rollovers	Adopted FY19	Total Fund	Financial Sources
<b>Federal Grants Fund</b>				<b>\$ 161,223</b>	<b>\$ -</b>	<b>\$ 161,223</b>	
Security Fence at Quantum Headquarters	FR1703	259-0000-424-7010	Police	81,223			<b>Federal Grant</b>
Security Fence at Quantum Headquarters	FR1883	259-0000-424-7010	Police	80,000			<b>Federal Grant</b>
<b>Higher Education GRT Fund</b>				<b>\$ 439,180</b>	<b>\$ -</b>	<b>\$ 439,180</b>	
City Center Drainage	PW1878	263-0000-410-7010	Public Works	39,180			<b>Higher Edu. GRT</b>
City Center Campus Facility	AD1816	263-0000-410-7610	Administration	400,000			<b>Higher Edu. GRT</b>
<b>Municipal Road Fund</b>				<b>\$ 104,979</b>	<b>\$ 177,832</b>	<b>\$ 282,811</b>	
Streets & ROW Vehicles and Equipment	N/A	270-0000-443-7015	Public Works		101,874		<b>Municipal Gas Tax</b>
Southern Blvd Reconstruction	PW1625	270-0000-443-7024	Public Works	3,000	6,458		<b>Road Restoration</b>
New Street Lights	PW1927	270-0000-443-7035	Public Works		24,500		<b>Municipal Gas Tax</b>
Pedestrian Safety/Crosswalk	PW1823	270-0000-443-7441	Public Works	19,500			<b>Municipal Gas Tax</b>
Unser Blvd / Cherry Rd	PW1833	270-0000-443-7441	Public Works	14,177			<b>Municipal Gas Tax</b>
ADA Sidewalk Improvements	PW1836	270-0000-443-7441	Public Works	25,000			<b>Municipal Gas Tax</b>
Street Lights	PW1838	270-0000-443-7441	Public Works	43,302			<b>Municipal Gas Tax</b>
Pedestrian Safety / Crosswalk	PW1925	270-0000-443-7441	Public Works		10,000		<b>Municipal Gas Tax</b>
ADA Sidewalk Improvements	PW1926	270-0000-443-7441	Public Works		35,000		<b>Municipal Gas Tax</b>
<b>Regional Emergency Communication Center</b>				<b>\$ 212,152</b>	<b>\$ 85,705</b>	<b>\$ 297,857</b>	
CAD/RMS Dispatch System Software	N/A	280-0000-421-7025	Police	212,152			<b>MOU</b>
PRO QA Software	N/A	280-0000-421-7040	Police		85,705		<b>MOU</b>
<b>Infrastructure Fund</b>				<b>\$ 2,333,651</b>	<b>\$ 9,952,706</b>	<b>\$ 12,286,357</b>	
Sports Complex Armoring/Montoyas Arroyo	PW1567	305-0000-442-7010	Public Works	108,014			<b>Federal Grant</b>

**Special Funds  
Capital Outlay Summary**

Item/Project	Project	Line Item	Department	Projects Rollovers	Adopted FY19	Total Fund	Financial Sources
Southern Boulevard Reconstruction	PW1625	305-0000-442-7010	Public Works	1,186,099	2,100,000		General Fund
Lincoln Avenue Extension	PW1799	305-0000-442-7010	Public Works	300,734			State Grant
Pedestrian Safety / Crosswalk	PW1823	305-0000-442-7010	Public Works	16,740			State Grant
Nicklaus Drive SE	PW1831	305-0000-442-7010	Public Works	97,006			Federal Grant
Unser Blvd/Cherry Rd	PW1833	305-0000-442-7010	Public Works	12,170			State Grant
ADA Sidewalk Improvement	PW1836	305-0000-442-7010	Public Works	38,697			State Grant
Street Lights	PW1838	305-0000-442-7010	Public Works	38,696			State Grant
Meadows Blvd Reconstruction	PW1898	305-0000-442-7010	Public Works	535,495			County Grant
MS4 Good Housekeeping for SROW Shed	PW1958	305-0000-442-7011	Public Works		130,000		General Fund
Southern Boulevard Reconstruction	PW1625	305-0000-442-7401	Public Works		7,722,706		Federal Grant
<b>Recreation Development Fund</b>				<b>\$ 2,144</b>	<b>\$ 24,800</b>	<b>\$ 26,944</b>	
Sports Complex North	PR0447	310-0000-452-7010	Parks & Recreation	12			County Grants
Big Brother and Big Sister Park	PR1817	310-0000-452-7010	Parks & Recreation	2,132	3		Donation
Park Above Parking	PR1968	310-0000-452-7610	Parks & Recreation		24,797		General Fund
<b>Equipment Replacement Fund</b>				<b>\$ 217,714</b>	<b>\$ 211,400</b>	<b>\$ 429,114</b>	
Electric Vehicles Charging Station	N/A	312-0000-416-7010	Public Works	6,642			General Fund
FY17 Vehicle Replacement	PW1718	312-0000-416-7015	Various	500			General Fund
FY18 Vehicle Replacement	PW1830	312-0000-416-7015	Various	210,572			General Fund
FY19 Vehicle Replacement	PW1969	312-0000-416-7015	Various		110,008		General Fund
FY19 Police Vehicles	PS1906	312-0000-416-7015	Police		101,392		Miscellaneous
<b>City Facility Improvement/Replacement Fund</b>				<b>\$ -</b>	<b>\$ 459,250</b>	<b>\$ 459,250</b>	
Loma Colorado Library Roof Restoration	PW1970	313-0000-416-7011	Public Works		127,825		General Fund
Esther Bond Library Security System	LB1982	313-0000-416-7011	Library		25,334		General Fund
Loma Colorado Library Security System	LB1983	313-0000-416-7011	Library		44,253		General Fund
Quantum Security Door & Key Access	PS1984	313-0000-416-7011	Police		7,500		General Fund

**Special Funds  
Capital Outlay Summary**

Item/Project	Project	Line Item	Department	Projects Rollovers	Adopted FY19	Total Fund	Financial Sources
Fire Station 3 Foyer/Airlock System	FR1985	313-0000-416-7011	Fire		44,338		General Fund
Park Improvements & ADA Compliance	PR1489	313-0000-416-7610	Parks & Recreation		146,249		Cell Tower
Park Improvements & ADA Compliance	PR1601	313-0000-416-7610	Parks & Recreation		63,751		Cell Tower
<b>State Appropriation Capital Fund</b>				<b>\$ 4,103,209</b>	<b>\$ -</b>	<b>\$ 4,103,209</b>	
Meadowlark Senior Center Code Compliance	PR1617	315-0000-416-7010	Parks and Recreation	1,163			State Grant
Meadowlark Senior Center Renovations	PR1685	315-0000-416-7010	Parks and Recreation	423,837			State Grant
Sports Complex North	PW1763	315-0000-416-7010	Parks and Recreation	18,952			State Grant
New Senior Center	PR1885	315-0000-416-7010	Parks and Recreation	3,400,000			State Grant
Meadowlark Senior Center Improvements	PR1886	315-0000-416-7010	Parks and Recreation	24,008			State Grant
Evidence Storage Facility	PS1790	315-0000-416-7010	Police	222,750			State Grant
Unser Boulevard Right-of-Way	PW1613	315-0000-416-7010	Public Works	12,499			State Grant
<b>2016 GO Bond Construction Fund</b>				<b>\$ 4,565,083</b>	<b>\$ 65,173</b>	<b>\$ 4,630,256</b>	
Southern Boulevard Reconstruction	PW1625	330-0000-441-7010	Public Works	2,325,709	65,173		Bond Proceeds
Industrial Park Loop	PW1812	330-0000-441-7010	Public Works	2,100,000			Bond Proceeds
Nicklaus Drive Sidewalk Improvements	PW1831	330-0000-441-7010	Public Works	47,964			Bond Proceeds
GO Bond Art in Public Places		330-0000-441-7010	Public Works	91,410			Bond Proceeds
<b>2018 GO Bond Construction Fund</b>				<b>\$ 13,933,309</b>	<b>\$ -</b>	<b>\$ 13,933,309</b>	
Fire Engine	FR1806	331-0000-423-7015	Fire	477,677			Bond Proceeds
Fire Tender	FR1807	331-0000-423-7015	Fire	397,261			Bond Proceeds
Fire Ladder Truck	FR1808	331-0000-423-7015	Fire	853,839			Bond Proceeds
FY19 Ambulance	FR1971	331-0000-423-7015	Fire	50,000			Bond Proceeds
FY19 Police Vehicles	PS1906	331-0000-423-7015	Police	2,191,860			Bond Proceeds
Fire & Recue Equipment	FR1809	331-0000-423-7025	Fire	88,363			Bond Proceeds
Meadowlark Ln (Mill & Inlay)	PW1801	331-0000-441-7010	Public Works	681,370			Bond Proceeds

**Special Funds  
Capital Outlay Summary**

Item/Project	Project	Line Item	Department	Projects Rollovers	Adopted FY19	Total Fund	Financial Sources
Sundt Rd (Mill & Inlay)	PW1802	331-0000-441-7010	Public Works	1,275,492			Bond Proceeds
Rockaway Blvd Reconstruction	PW1803	331-0000-441-7010	Public Works	3,592,676			Bond Proceeds
Country Club Drive (Mill & Inlay)	PW1804	331-0000-441-7010	Public Works	1,342,701			Bond Proceeds
Abrazo Rd Reconstruction	PW1805	331-0000-441-7010	Public Works	2,294,703			Bond Proceeds
Montreal Loop (Mill & Inlay)	PW1895	331-0000-441-7010	Public Works	687,367			Bond Proceeds
<b>Impact Fees - Road Fund</b>				<b>\$ 716,299</b>	<b>\$ 101,124</b>	<b>\$ 817,423</b>	
Unser Phase II B ROW	PW1965	351-0000-442-7009	Public Works		101,124		Impact Fees
Southern Boulevard Reconstruction	PW1625	351-0000-442-7010	Public Works	716,299			Impact Fees
<b>Impact Fees - Bikeway/Trails Fund</b>				<b>\$ 141,152</b>	<b>\$ -</b>	<b>\$ 141,152</b>	
Bosque Trail Improvements	PR1781	352-0000-442-7010	Parks and Recreation	141,152			Impact Fees
<b>Impact Fees - Park Fund</b>				<b>\$ 259,821</b>	<b>\$ 200,199</b>	<b>\$ 460,020</b>	
Sports Complex North	PR1763	353-0000-442-7610	Parks & Recreation	211,821	99,996		Impact Fees
Big Brother & Big Sisters Park	PR1817	353-0000-442-7610	Parks & Recreation	48,000			Impact Fees
A Park Above Parking Lot	PR1968	353-0000-442-7610	Parks & Recreation		100,203		
<b>Impact Fees - Public Safety</b>				<b>\$ 94,538</b>	<b>\$ 150,000</b>	<b>\$ 244,538</b>	
Evidence Storage Facility	PS1790	354-0000-424-7010	Police	64,264			Impact Fees
FY19 Ambulance	FR1971	354-0000-424-7015	Fire		150,000		Impact Fees
FY18 Police Vehicles	PS1850	354-0000-424-7015	Police	30,274			Impact Fees
<b>Impact Fees - Drainage</b>				<b>\$ 57,555</b>	<b>\$ -</b>	<b>\$ 57,555</b>	
Northern Blvd Drainage	PW1834	355-0000-442-7010	Public Works	57,555			Impact Fees

**Special Funds  
Capital Outlay Summary**

Item/Project	Project	Line Item	Department	Projects Rollovers	Adopted FY19	Total Fund	Financial Sources
<b>HUD-CDBG Fund</b>				<b>\$ 273,046</b>	<b>\$ 317,709</b>	<b>\$ 590,755</b>	
HUD Grant / ADA Improvements	FS1859	375-0000-445-7010	Public Works	121,088			<b>Federal Grant</b>
HUD Grant / ADA Improvements	FS1976	375-0000-445-7037	Public Works		317,709		<b>Federal Grant</b>
HUD Grant / Park Improvements	FS1859	375-0000-445-7610	Parks & Recreation	151,958			<b>Federal Grant</b>
<b>Total</b>				<b>\$ 27,738,037</b>	<b>\$ 12,764,099</b>	<b>\$ 40,502,136</b>	

**Utility Funds  
Capital Outlay Summary**

Item/Project	Project	Line Item	Cost Center	Projects Rollovers	Adopted FY19	Total Fund	Financial Sources
<b>Utilities (501)</b>				\$ -	\$ 257,357	\$ 257,357	
Rugged Tablet	N/A	501-7020-530-7025	Services / Billing		7,300		
Skid at Well 9	N/A	501-7025-540-7025	Water Production		22,340		Utility Net Operating Revenue
Submersible Pumps Various Lift Stations	N/A	501-7035-550-7025	Wastewater Treatment		227,717		Utility Net Operating Revenue
<b>Utilities Equipment Replacement Fund</b>				\$ 191,350	\$ 663,569	\$ 854,919	
Electric Vehicle Charge Station	N/A	512-0000-505-7010	Utilities	13,240			Utility Net Operating Revenue
Replace UT134 - 2004 Hydro Excavator	N/A	512-0000-505-7015	Transmission & Distribution		424,037		Utility Net Operating Revenue
Replace CS129 - 2004 Ford Ranger	N/A	512-0000-505-7015	Utility Billing		26,428		Utility Net Operating Revenue
Replace UT135 - 2005 Ford F150	N/A	512-0000-505-7015	Water Production		34,916		Utility Net Operating Revenue
Replace UT198 - 2017 Big Tex Dump Trailer	N/A	512-0000-505-7015	Wastewater		7,250		Utility Net Operating Revenue
New: Compact Excavator	N/A	512-0000-505-7015	Transmission & Distribution		49,800		Utility Net Operating Revenue
New: 1/2 Ton 4 Wheel Drive	N/A	512-0000-505-7015	Scada		31,476		Utility Net Operating Revenue
Single Turner Valve Maintenance Trailer	N/A	512-0000-505-7015	Transmission & Distribution		76,717		Utility Net Operating Revenue
Contingency	N/A	512-0000-505-7015	Utilities		12,945		Utility Net Operating Revenue
FY18 Vehicles	N/A	512-0000-505-7015	Utilities	178,110			Utility Net Operating Revenue
<b>C.I.F. Water Operation</b>				\$ 9,200,424	\$ 7,221,557	\$ 16,421,981	
Re-drill Well 13	WA1492	540-7125-540-7010	Water Production	2,728,915			Utility Net Operating Revenue
Replace Miox System	WA1755	540-7125-540-7010	Water Production	184,200			Utility Net Operating Revenue
Tank 9 Renovation	WA1764	540-7125-540-7010	Water Production	976,386			Utility Net Operating Revenue
Tank 12 Renovation	WA1818	540-7125-540-7010	Water Production	1,100,000			Utility Net Operating Revenue
Replace 2 Pressure Reducing Valves	WA1820	540-7125-540-7010	Water Production	212,381			Utility Net Operating Revenue
Replace Zaragoza Road Water Line	WA1823	540-7125-540-7010	Transmission & Distribution	182,000			Utility Net Operating Revenue
Southern Boulevard Water Line	WA1858	540-7125-540-7010	Transmission & Distribution	201,913			Utility Net Operating Revenue
Industrial Park Loop	WA1884	540-7125-540-7010	Transmission & Distribution	1,157,475			Utility Net Operating Revenue
Well 15 Sound Walls	WA1892	540-7125-540-7010	Water Production	175,000			Utility Net Operating Revenue
Well 10 Surge Tank	WA1936	540-7125-540-7037	Water Production		100,000		Utility Net Operating Revenue
Well 9 Water Tank	WA1937	540-7125-540-7037	Water Production		300,000		Utility Net Operating Revenue
Pressure Reducing Valves	WA1838	540-7125-540-7037	Transmission & Distribution		125,000		Utility Net Operating Revenue

**Utility Funds  
Capital Outlay Summary**

Item/Project	Project	Line Item	Cost Center	Projects Rollovers	Adopted FY19	Total Fund	Financial Sources
Well Site Security	WA1939	540-7125-540-7037	Water Production		120,000		Utility Net Operating Revenue
Monitoring Wells	WA1940	540-7125-540-7037	Water Production		40,000		Utility Net Operating Revenue
Booster Station 8 to Well 9	WA1941	540-7125-540-7037	Transmission & Distribution		187,500		Utility Net Operating Revenue
Lincoln Ave Water Line	WA1942	540-7125-540-7037	Transmission & Distribution		550,000		Utility Net Operating Revenue
Rockaway Blvd Water Line	WA1943	540-7125-540-7037	Transmission & Distribution	45,000	1,500,000		Utility Net Operating Revenue
Sundt Rd Water Line	WA1944	540-7125-540-7037	Transmission & Distribution	125,000	1,024,500		Utility Net Operating Revenue
Country Club Dr Water Line	WA1945	540-7125-540-7037	Transmission & Distribution	53,810	388,000		Utility Net Operating Revenue
Abrazo Rd Water Line	WA1946	540-7125-540-7037	Transmission & Distribution	25,000	600,000		Utility Net Operating Revenue
Meadowlark Water Line	WA1947	540-7125-540-7037	Transmission & Distribution	35,000	1,567,740		Utility Net Operating Revenue
Industrial Park Loop Water Line	WA1884	540-7125-540-7037	Transmission & Distribution		700,000		Utility Net Operating Revenue
Southern Boulevard Water Line	WA1858	540-7125-540-7037	Transmission & Distribution		18,817		Utility Net Operating Revenue
Zaragoza Road Water Line	WA1823	540-7130-545-7010	Transmission & Distribution	444,448			Utility Net Operating Revenue
Southern Boulevard Water Line	WA1858	540-7130-545-7010	Transmission & Distribution	1,403,896			Utility Net Operating Revenue
Industrial Park Loop Water Line	WA1884	540-7130-545-7010	Transmission & Distribution	150,000			Utility Net Operating Revenue
<b>Water Rights Acquisition Fund</b>				<b>\$ 812,226</b>	<b>\$ 1,529,919</b>	<b>\$ 2,342,145</b>	
FY18 Water Rights Acquisition	WA1845	542-0000-540-7045	Water Utility	27,459			Water Rights Acquisition Fees
FY19 Water Rights Acquisition	WA1948	542-0000-540-7045	Water Utility	784,767	1,529,919		Water Rights Acquisition Fees
<b>Impact Fees - Water Fund</b>				<b>\$ 837,116</b>	<b>\$ 400,000</b>	<b>\$ 1,237,116</b>	
Redrill Well 13	WA1492	545-0000-442-7010	Water Production	748,765			Impact Fees
Direct Injection Well	WW1704	545-0000-442-7010	Wastewater Treatment	88,351			Impact Fees
Redrill Well 13	WA1492	545-0000-442-7037	Water Production		400,000		Impact Fees
<b>C.I.F. Wastewater</b>				<b>\$ 24,955,796</b>	<b>\$ 2,393,607</b>	<b>\$ 27,349,403</b>	
Wastewater Plant #1 Replacement	WW1620	550-7235-550-7010	Wastewater Treatment	23,494,415	231,107		Loan Proceeds/Interest
Lift Station 15 Property Acquisition	WW1770	550-7235-550-7010	Wastewater Treatment	500,000			Utility Net Operating Revenue
Lift Station 15, 21, 22 Variable Frequency Drives	WW1771	550-7235-550-7010	Wastewater Treatment	325,858			Utility Net Operating Revenue
Lift Station 15 Crane Replacement	WW1779	550-7235-550-7010	Wastewater Treatment	105,023			Utility Net Operating Revenue
FY18 Wastewater Security	WW1824	550-7235-550-7010	Wastewater Treatment	172,000			Utility Net Operating Revenue
Southern Blvd WW Line	WW1889	550-7235-550-7010	Wastewater Treatment	333,500			Utility Net Operating Revenue
WWTP UV Improvements	WW1949	550-7235-550-7037	Wastewater Treatment		330,000		Utility Net Operating Revenue

**Utility Funds  
Capital Outlay Summary**

Item/Project	Project	Line Item	Cost Center	Projects Rollovers	Adopted FY19	Total Fund	Financial Sources
LS 14.2 Odor Control	WW1950	550-7235-550-7037	Wastewater Treatment		100,000		Utility Net Operating Revenue
Lincoln Ave Sewer Line	WW1952	550-7235-550-7037	Wastewater Treatment		350,000		Utility Net Operating Revenue
WWTP Security Improvements	WW1953	550-7235-550-7037	Wastewater Treatment		110,000		Utility Net Operating Revenue
SCADA Improvements	WW1954	550-7235-550-7037	Wastewater Treatment		75,000		Utility Net Operating Revenue
Abrazo Rd Sewer Line	WW1810	550-7235-550-7037	Wastewater Treatment	25,000	400,000		Utility Net Operating Revenue
Cabazon WWTP Membranas	WW1986	550-7235-550-7037	Wastewater Treatment		350,000		Utility Net Operating Revenue
Solids Waste Handling Design	WW1990	550-7235-550-7037	Wastewater Treatment		200,000		Utility Net Operating Revenue
Southern Blvd WW Line	WW1889	550-7235-550-7037	Wastewater Treatment		247,500		Utility Net Operating Revenue
<b>Effluent Fund</b>				<b>\$ 244,607</b>	<b>\$ 9</b>	<b>\$ 244,616</b>	
Direct Injection Secondary Discharge	WW1704	552-0000-442-7010	Recycled Water	97,660			Utility Net Operating Revenue
Southern Blvd WW Line	WW1889	552-0000-442-7010	Recycled Water	146,947	9		Utility Net Operating Revenue
<b>Total</b>				<b>\$ 36,241,519</b>	<b>\$ 12,466,018</b>	<b>\$ 48,707,537</b>	
<b>All Funds Total</b>				<b>63,985,966</b>	<b>25,427,439</b>	<b>89,413,405</b>	