



Community & Economic Development Department

Planning Division

3900 Main Street, Riverside, CA 92522 | Phone: (951) 826-5371 | RiversideCA.gov

PLANNING COMMISSION HEARING DATE: MAY 2, 2019
AGENDA ITEM NO.: 5

PROPOSED PROJECT

<i>Case Numbers</i>	PSP19-0033
<i>Request</i>	Review of the City of Riverside's Capital Improvement Program (CIP) for FY 2019/2020, for consistency with General Plan 2025
<i>Applicant</i>	City of Riverside Finance Department
<i>Project Location</i>	Citywide
<i>Ward</i>	Citywide
<i>Staff Planner</i>	Jay Eastman, Principal Planner; 951-826-5264; jeastman@riversideca.gov

RECOMMENDATIONS

Staff Recommends that the City Planning Commission:

1. **DETERMINE** that the review of the City of Riverside's capital improvement projects for FY 2019/20 (PSP19-0033) is not subject to the California Environmental Quality Act (CEQA) review, pursuant to CEQA Guidelines Section 15061(b)(3) because the review is not considered a "project" as defined by section 15378(b)(4), and a determination of consistency by the Planning Commission has no potential to result in a direct or indirect physical change in the environment.
2. **FIND** that the capital improvement projects added to the two-year budget for FY 2019/20 are consistent with the City's General Plan 2025; and
3. **REPORT to the City Council** that the capital improvement projects for FY 2019/20, including any revisions to the two-year Capital Improvement Program (FY 2018/2020 through FY 2019/2020), are consistent with the City's General Plan 2025.

BACKGROUND

The City's two-year Capital Improvement Program (CIP) is prepared to coincide with the City's two-year budget period. In May 2019, City Council will consider mid-budget cycle revisions for Fiscal Year (FY) 2018/2019 and FY 2019/2020. If revisions are made to the budget, adjustments to the approved two-year CIP are required to reflect the changes.

The City of Riverside Charter and the Riverside Municipal Code require that the Planning Commission review the City's proposed CIP and determine that the program is consistent with the City's General Plan 2025 (General Plan). California Government Code Section 65401 also requires Planning Commission review of the CIP for the upcoming fiscal year and report its findings to the City Council.

On March 22, 2018 the Planning Commission reviewed the two-year CIP and reported the projects were in conformance with the General Plan. The Planning Commission is required review the revisions to the CIP for FY 2019/2020 to determine consistency with the General Plan.

PROPOSAL/REQUEST

Staff is requesting that the Planning Commission review the Capital Improvement Program (CIP) projects added to the CIP for FY 2019/20, and determine if the new projects are consistent with the City's General Plan 2025. The CIP project list for FY 2019/2020 includes thirty-three (33) projects not previously reviewed by the Planning Commission for General Plan consistency and 92 projects previously reviewed (Exhibit 1).

PROJECT ANALYSIS

The Planning Division reviewed the listed projects for conformance with City's General Plan 2025 (General Plan). For the 33 new projects added, staff prepared two tables to correlate the General Plan Objectives and Policies that support FY 2019/2020 projects.

- Table 1 (26 projects) includes projects related to the maintenance and replacement of existing facilities, and new facilities that are needed to comply with State and Federal mandates.
- Table 2 (7 projects) identifies new or expanded capital improvement projects.

Staff reviewed the projects in Table 1 and Table 2 for consistency with General Plan.

MAINTENANCE, REHABILITATION AND MANDATED PROJECTS

The City's General Plan 2025 (General Plan), is a "vision document" that guides and manages Riverside's growth. Much of the General Plan is focused on policies related to new infrastructure and programs. The General Plan also identifies the need to maintain and repair existing infrastructure. Page PF-1 states:

"Well-designed and maintained infrastructure systems are critical to a community's economic development goals, and they enhance the quality of neighborhoods. Infrastructure, such as sewer and water lines, broadband communications networks and solid waste collection and disposal must be sufficient to accommodate the present and future needs of the community. As infrastructure ages or growth outpaces capacity, isolated failures represent a real potential. Providing quality public facilities such as libraries, hospitals and community centers are also of vital importance, as they contribute to the health, education and quality of life for all residents."

Page PR-16 also shows the City's commitment to maintaining existing park facilities and expanding new opportunities:

"Enhancing Riverside's existing park and recreation facilities, as well as creating new recreational opportunities, will be carried out through the following objectives and policies. The City will continue to maintain its existing recreation programs and facilities, as well as making those resources available to all Riversiders."

Table 1 includes the 26 capital improvement projects for FY 2019/2020 that maintain/rehabilitate existing infrastructure or modify existing facilities to meet State or Federal mandates. Descriptions of the projects is attached to this Staff Report (Exhibit 2).

Table 1
MAINTENANCE, REHABILITATION & MANDATED PROJECTS - ADDED TO FY 2019/2020 CIP

Ref No.	Projects by Category
PARKS, RECREATION AND COMMUNITY SERVICES	
12	SOCAL GAS TEMP RIGHT OF ENTRY
13	OT PLAYGROUND IMPROVEMENTS
ELECTRIC	
42	CAPACITORS-REGULATORS
43	SOUTHERN CALIFORNIA EDISON (SCE) CONDEMNATION COSTS
45	RTRP - 230KV REIMBURSABLE
46	CUSTOMER INFORMATION SYSTEM (CIS) UPGRADE
47	GEOGRAPHIC INFORMATION SYSTEM (GIS) UPGRADE
49	ENTERPRISE OPER DATA MGMT SYSTEM
50	LAND MOBILE RADIO
51	OUTAGE MANAGEMENT SYSTEM
52	ADVANCED DISTRIBUTION MANAGEMENT SYSTEM
WATER	
69	DISTRIBUTION AUTOMATION/RELIABILITY
72	ENTERPRISE OPER DATA MGMT SYSTEM
73	WORK, ASSET, & INVENTORY MGMT SYSTEM
74	LAND MOBILE RADIO
75	MOBILE APPLICATIONS
76	STREET IMPROVEMENTS
SEWER	
86	PLANT 2 BLOWER NO. 2 REHAB/REPLACE
87	MAGNOLIA SEWER FORCEMAIN REPLACEMENT
88	FAIRMOUNT PARK TRUNK SEWER REHAB
89	2018-2019 SEWER MAINS REHAB
90	2017-2018 SEWER MAINS REHAB
91	HILLSIDE AVE TRUNK SEWER REPLACEMENT
STORM DRAIN	
94	MONROE LINE E 2&3; LINES E2/E5

Ref No.	Projects by Category
TRANSPORTATION	
124	JO JO WAY SIDEWALKS 17/18
125	SELKIRK AVENUE SIDEWALKS 17/18

The following General Plan objectives and policies support for the need to invest in the maintenance and replacement of existing facilities throughout the City:

Objective PF-1: Provide superior water service to customers.

Policy PF-1.5: Implement water conservation programs aimed at reducing demands from new and existing development.

Objective PF-3: Maintain sufficient levels of wastewater service throughout the community.

Policy PF-3.3: Pursue improvements and upgrades to the City's wastewater collection facilities consistent with current master plans and the City's Capital Improvement Program.

Objective PF-4: Provide sufficient levels of storm drainage service to protect the community from flood hazards and minimize the discharge of materials into the storm drain system that are toxic or which would obstruct flow.

Policy PF-4.1: Continue to fund and undertake storm drain improvement projects as identified in the City of Riverside Capital Improvement Plan.

Policy PF-4.3: Continue to routinely monitor and evaluate the effectiveness of the storm drain system and make adjustments as needed.

Objective PF-6: Provide affordable, reliable and, to the extent practical, environmentally sensitive energy resources to residents and businesses.

Policy PF-6.2: Ensure that adequate back-up facilities are available to meet critical electric power needs in the event of shortages or temporary outages.

Objective PF-10: Meet the varied recreational and service needs of Riverside's diverse population.

Objective OS-1: Preserve and expand open space areas and linkages throughout the City and sphere of influence to protect the natural and visual character of the community and provide for appropriate active and passive recreational uses.

Policy OS-1.9: Promote open space and recreation resource as key reasons to live in Riverside.

Policy OS-1.12: Ensure that areas acquired as part of the Open Space System are developed, operated and maintained to provide the City with a permanent publicly accessible open space system.

Policy OS-1.13: Design Capital Improvement Program projects which affect identified open space areas to support these area's value as open space.

NEW OR EXPANDED INFRASTRUCTURE AND FACILITIES

Table 2 includes the seven (7) project for new or expanded infrastructure or facilities necessary to accommodate the City's growth. These projects accommodate growth in the City, improve existing facilities to increase capacity, enhance the services residents, or create a safer environment for vehicles and/or pedestrians. Descriptions of the projects, including the General Plan objectives and policies they help meet, is attached to this Staff Report (Exhibit 3).

Table 2
NEW OR EXPANDED INFRASTRUCTURE AND FACILITIES - ADDED TO FY 2019/2020 CIP

Ref No.	Projects by Category
ELECTRIC	
44	RIVERSIDE TRANSMISSION RELIABILITY PROJECT (RTRP)
48	DARK FIBER
WATER	
70	AQUIFER STORAGE & RECOVERY SYSTEM
71	UPPER SANTA ANA RIVER HABITAT CONSERVATION PLAN
SEWER	
84	SECONDARY SYSTEM UPGRADE
85	VAN BUREN SEWER (WOODCREST)
TRANSPORTATION	
123	VAN BUREN WIDENING-WASHINGTON TO WOOD

ENVIRONMENTAL REVIEW

This review of the Capital Improvement Program (CIP) for a determination of consistency by the Planning Commission is not subject to the California Environmental Quality Act (CEQA) review under CEQA Guidelines Section 15061(b)(3) because the consistency review is not a "project", per 15378(b)(4), and because a determination of consistency has no potential to result in a direct or indirect physical change in the environment.

APPEAL INFORMATION

Actions by the City Planning Commission, including any environmental finding, may be appealed to the City Council within ten calendar days after the decision. Appeal filing and processing information may be obtained from the Planning Department Public Information Section, 3rd Floor, City Hall.

EXHIBITS LIST

1. CIP Projects for FY 2019/2020
2. Maintenance, Rehabilitation and Mandated Projects Description
3. New/Expanded Projects Description & Consistency Evaluation
4. March 22, 2018 Planning Commission Staff Report for Two-Year CIP Consistency Review

Prepared by: Jay Eastman, Principal Planner
Reviewed by: Mary Kopaskie-Brown, City Planner



CITY OF RIVERSIDE

COMMUNITY & ECONOMIC DEVELOPMENT DEPARTMENT

PLANNING DIVISION

EXHIBIT 1 – CIP Projects for FY 2019/2020

Capital Improvement Program Project List for FY 2019/2020

LY Ref No.	CY Ref No.	Funded Projects by Category	Previously Reviewed by Planning Commission?	Maintenance, Rehabilitation or Mandated Project?	New or Expanded Facility?
<u>Airport</u>					
1	1	AIRPORT - TAXIWAY J REHAB	Yes	X	
2	2	AIRPORT- CAMERA SYSTEM	Yes	X	
3	3	AIRPORT FACILITIES TERMINAL PATIO DECK	Yes	X	
4	4	APRON ASPHALT PROJECT PHASE ONE	Yes	X	
<u>Municipal Buildings and Facilities</u>					
5	5	CHEECH MARIN CENTER FOR CHICANO ART	Yes		X
6	6	CITY BUILDINGS DEFERRED MAINTENANCE	Yes	X	
7	7	DOWNTOWN LIBRARY	Yes		X
8	8	ETHANOL (E85) FUELING STATION	Yes	X	
9	9	METRO MUSEUM EXPANSION AND REHAB	Yes		X
10	10	POLICE HEADQUARTERS	Yes		X
<u>Innovation and Technology</u>					
11	11	DATA NETWORK REPLACEMENT	Yes		X
<u>Parks, Recreation and Community Services</u>					
	12	SOCAL GAS TEMP RIGHT OF ENTRY	No	X	
	13	OT PLAYGROUND IMPROVEMENTS	No	X	
<u>Electric</u>					
12	14	ADVANCED METERING INFRASTRUCTURE	Yes	X	
13	15	GENERAL ORDER 165 (GO 165) UPGRADES/LINE REBUILDS/RELOCATION-OVERHEAD	Yes	X	
14	16	CABLE REPLACEMENT	Yes	X	
15	17	CABLE REPLACEMENT – PUBLIC WORKS STREET REHAB	Yes	X	
16	18	CITYWIDE COMMUNICATIONS	Yes		X
17	19	DISTRIBUTION AUTOMATION	Yes	X	
18	20	DISTRIBUTION LINE EXTENSIONS	Yes		X
19	21	GO 165 UPGRADES/LINE REBUILDS/RELOCATE- UNDERGROUND	Yes	X	

LY Ref No.	CY Ref No.	Funded Projects by Category	Previously Reviewed by Planning Commission?	Maintenance, Rehabilitation or Mandated Project?	New or Expanded Facility?
20	22	LINE REBUILDS	Yes	X	
21	23	MAJOR 4-12 KV CONVERSION	Yes	X	
22	24	MAJOR FEEDERS	Yes		X
23	25	MAJOR OVERHEAD/UNDERGROUND CONVERSIONS	Yes		X
24	26	MAJOR STREET LIGHT PROJECTS	Yes		X
25	27	MAJOR TRACT DISTRIBUTION	Yes		X
26	28	MAJOR TRANSMISSION LINE PROJECTS	Yes		X
27	29	METERS	Yes		X
28	30	NEIGHBORHOOD STREET LIGHT RETROFIT	Yes		X
29	31	NETWORK COMMUNICATION SYSTEM	Yes		X
30	32	OPERATIONAL TECHNOLOGY GOVERNANCE	Yes	X	
31	33	SERVICES	Yes		X
32	34	STREET LIGHTING	Yes	X	
33	35	SUBSTATION BUS & UPGRADES	Yes	X	
34	36	SUBSTATION INNOVATION	Yes	X	
35	37	SUBSTATION TRANSFORMER ADDITION	Yes		X
36	38	SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)	Yes	X	
37	39	SYSTEM SUBSTATION MODIFICATIONS	Yes	X	
38	40	TRANSFORMERS	Yes		X
39	41	WORK, ASSET, & INVENTORY MANAGEMENT SYSTEM	Yes	X	
	42	CAPACITORS-REGULATORS	No	X	
	43	SOUTHERN CALIFORNIA EDISON (SCE) CONDEMNATION COSTS	No	X	
	44	RIVERSIDE TRANSMISSION RELIABILITY PROJECT (RTRP)	No		X
	45	RTRP - 230kV REIMBURSABLE	No	X	
	46	CUSTOMER INFORMATION SYSTEM (CIS) UPGRADE	No	X	
	47	GEOGRAPHIC INFORMATION SYSTEM (GIS) UPGRADE	No	X	
	48	DARK FIBER	No		X
	49	ENTERPRISE OPER DATA MGMT SYSTEM	No	X	
	50	LAND MOBILE RADIO	No	X	
	51	OUTAGE MANAGEMENT SYSTEM	No	X	

LY Ref No.	CY Ref No.	Funded Projects by Category	Previously Reviewed by Planning Commission?	Maintenance, Rehabilitation or Mandated Project?	New or Expanded Facility?
	52	ADVANCED DISTRIBUTION MANAGEMENT SYSTEM	No	X	
Water					
40	53	ADVANCED METERING INFRASTRUCTURE	Yes	X	
41	54	DISTRIBUTION SYSTEM FACILITIES REPLACEMENTS	Yes		X
42	55	FACILITY REHABILITATION PROGRAM	Yes	X	
43	56	HYDRANT CHECK VALVES	Yes	X	
44	57	MAIN REPLACEMENTS PROGRAM	Yes	X	
45	58	METERS	Yes		X
46	59	NETWORK COMMUNICATION SYSTEM	Yes	X	
47	60	OPERATIONAL TECHNOLOGY GOVERNANCE	Yes	X	
48	61	POTABLE/IRRIGATION WELL REPLACEMENT	Yes	X	
49	62	PUMP STATION REPLACEMENTS	Yes	X	
50	63	RECYCLED WATER (JACKSON ST. PHASE 1 - FACILITIES AND SITE CONVERSIONS)	Yes	X	
51	64	SCADA UPGRADE & SYSTEM AUTOMATION	Yes	X	
52	65	SEVEN OAKS DAM CONSERVATION-ENHANCED RECHARGE	Yes		X
53	66	SYSTEM EXPANSION	Yes		X
54	67	TRANSMISSION MAINS	Yes		X
55	68	WATER STOCK	Yes	X	
	69	DISTRIBUTION AUTOMATION/RELIABILITY	No	X	
	70	AQUIFER STORAGE & RECOVERY SYSTEM	No		X
	71	UPPER SANTA ANA RIVER HABITAT CONSERVATION PLAN	No		X
	72	ENTERPRISE OPER DATA MGMT SYSTEM	No	X	
	73	WORK, ASSET, & INVENTORY MGMT SYSTEM	No	X	
	74	LAND MOBILE RADIO	No	X	
	75	MOBILE APPLICATIONS	No	X	
	76	STREET IMPROVEMENTS	No	X	
Railroad					
56	77	BNSF QUIET ZONE - MISSION INN, 3RD & SPRUCE	Yes		X
57	78	BNSF/THIRD STREET GRADE SEPARATION	Yes		X

LY Ref No.	CY Ref No.	Funded Projects by Category	Previously Reviewed by Planning Commission?	Maintenance, Rehabilitation or Mandated Project?	New or Expanded Facility?
58	79	UP QUIET ZONE - BROCKTON AND PALM	Yes		X
<u>Sewer</u>					
59	80	COLLECTION SYSTEM UPGRADES	Yes	X	
60	81	PLANT 2 ACTIVATED SLUDGE REHAB-PHASE 1	Yes	X	
61	82	RWQCP REHABILITATION-PHASE II	Yes	X	
62	83	TERTIARY SYSTEM REHAB-PHASE 1	Yes	X	
	84	SECONDARY SYSTEM UPGRADE	No		X
	85	VAN BUREN SEWER (WOODCREST)	No		X
	86	PLANT 2 BLOWER NO. 2 REHAB/REPLACE	No	X	
	87	MAGNOLIA SEWER FORCEMAIN REPLACEMENT	No	X	
	88	FAIRMOUNT PARK TRUNK SEWER REHAB	No	X	
	89	2018-2019 SEWER MAINS REHAB	No	X	
	90	2017-2018 SEWER MAINS REHAB	No	X	
	91	HILLSIDE AVE TRUNK SEWER REPLACEMENT	No	X	
<u>Storm Drain</u>					
63	92	FAIRVIEW & CORNWALL STORM DRAIN PROJECT	Yes		X
64	93	MISCELLANEOUS STORM DRAIN CONSTRUCTION PROGRAM	Yes	X	
	94	MONROE LINE E 2&3; LINES E2/E5	No	X	
<u>Transportation</u>					
65	95	ACTIVE TRANSPORTATION MASTER PLAN	Yes		X
66	96	ADAMS STREET/STATE ROUTE 91 INTERCHANGE IMPROVEMENTS	Yes		X
67	97	ARTERIAL INTERCONNECT PROJECT PROGRAM	Yes	X	
68	98	CANYON CREST WIDENING-VIA VISTA DR. TO COUNTRY CLUB DR.	Yes		X
69	99	CDBG MATCHING FUNDS	Yes	X	
70	100	CONTROLLER ASSEMBLY REPLACEMENT PROGRAM	Yes	X	
71	101	CURB AND GUTTER REPAIR PROGRAM	Yes	X	
72	102	INDIAN HILL ROAD SLOPE MITIGATION PROJECT	Yes	X	
73	103	INTERCONNECTED TRAFFIC SIGNAL CONTROLLER REPLACEMENT	Yes	X	

LY Ref No.	CY Ref No.	Funded Projects by Category	Previously Reviewed by Planning Commission?	Maintenance, Rehabilitation or Mandated Project?	New or Expanded Facility?
74	104	IOWA AVENUE WIDENING - MARTIN LUTHER KING TO UNIVERSITY	Yes		X
75	105	LED SIGNAL LENSES REPLACEMENT PROGRAM	Yes	X	
76	106	MAJOR STREETS REHABILITATION	Yes	X	
77	107	MEASURE Z PAVEMENT REHABILITATION AND PEDESTRIAN FACILITIES IMPROVEMENT PROGRAM	Yes	X	
78	108	MINOR STREET PRESERVATION (SLURRY/ARAM) PROGRAM	Yes	X	
79	109	MINOR STREET REHABILITATION PROGRAM	Yes	X	
80	110	MISCELLANEOUS SIGNAL REVISIONS PROGRAM	Yes	X	
81	111	MISCELLANEOUS STREET CONSTRUCTION PROGRAM	Yes	X	
82	112	MISCELLANEOUS TRAFFIC PROJECTS PROGRAM	Yes	X	
83	113	MISSION BOULEVARD BRIDGE REPLACEMENT AT SANTA ANA RIVER	Yes		X
84	114	NEW TRAFFIC SIGNALS (PRIORITIZED LOCATIONS-ONE PER YEAR) PROGRAM	Yes	X	
85	115	PEDESTRIAN RAMPS PROGRAM	Yes	X	
86	116	SAN ANDREAS/GLENWOOD DRAINAGE AND SITE IMPROVEMENT PROJECT	Yes	X	
87	117	SB-1 PAVEMENT REHABILITATION, MAINTENANCE, AND SAFETY IMPROVEMENTS PROGRAM	Yes	X	
88	118	SIDEWALK REPAIR PROGRAM	Yes	X	
89	119	SIDEWALK/TRAIL CONSTRUCTION AT VARIOUS LOCATIONS PROGRAM	Yes	X	
90	120	SPREAD SPECTRUM RADIO REPLACEMENT PROGRAM	Yes	X	
91	121	TRAFFIC MANAGEMENT CENTER PROGRAM	Yes	X	
92	122	TRAFFIC SIGNAL LOOP REPLACEMENT PROGRAM	Yes	X	
	123	VAN BUREN WIDENING-WASHINGTON TO WOOD	No		X
	124	JO JO WAY SIDEWALKS 17/18	No	X	
	125	SELKIRK AVENUE SIDEWALKS 17/18	No	X	



EXHIBIT 2 – Maintenance/Rehabilitation/Mandated Projects - Descriptions

The following is a description of projects identified in Table 1 in the Planning Commission Staff Report:

12. SOCAL GAS TEMP RIGHT OF ENTRY

Southern California Gas pipeline safety enhancements and trailhead improvements. Southern California Gas has completed their safety enhancements, and associated trail improvements are estimated for completion in Winter 2020.

13. OT PLAYGROUND IMPROVEMENTS

Installation of shade over existing playground, and remove and replace surfacing.

42. CAPACITORS-REGULATORS

Includes the purchase and installation of new capacitors and regulator devices to maintain electric power quality to Riverside customers. Locations are prioritized based on comprehensive analysis of power quality modeling and system parameters. The design of these equipment installations complements existing facilities and considers overall area electrical requirements.

43. SOUTHERN CALIFORNIA EDISON (SCE) CONDEMNATION COSTS

Friendly condemnation of existing SCE facilities in areas previously annexed to the City limits. This project includes acquisition of existing electric facilities, easements, and associated legal costs.

45. RTRP - 230kV REIMBURSABLE

RTRP is a joint project with SCE to address the electrical capacity and reliability needs of the City. Some portion of RTRP licensing costs may be subject to reimbursement by SCE.

46. CUSTOMER INFORMATION SYSTEM (CIS) UPGRADE

Highly integrated enterprise software application integrated with other applications and serves as the single source of the department customer data.

47. GEOGRAPHIC INFORMATION SYSTEM (GIS) UPGRADE

Enterprise software application that maintains the locational and physical attributes of water and electric infrastructure overlaid on geographic, political, property, and other real world features.

49. ENTERPRISE OPER DATA MGMT SYSTEM

Operation Data Management System (ODMS) receives data from electric delivery and generation system instrumentation and data communication, storage, and analysis systems. The data will support advanced monitoring and control systems to improve the operational efficiency and capability of the electric delivery systems.

50. LAND MOBILE RADIO

Land Mobile Radio (LMR) is a wireless communications system intended for use by terrestrial users in vehicles (mobiles) or on foot (portables). The new system should capitalize on digital technology known as frequency division multiple access (FDMA). The new LMR system will supply new antennas to provide citywide coverage, provide a new dispatcher console, coexist with the current analog LMR system, be based on FDMA technology, support narrow channels, enable trunked modes of operation for both analog and digital modulations, have multiple talk groups,

and support private calling. It will also be Advanced Encryption and Data Encryption Standard encrypted and be capable of Over the Air Programming (OTAP).

51. OUTAGE MANAGEMENT SYSTEM

Reduce the time it takes to locate outages and identify outage causes.

52. ADVANCED DISTRIBUTION MANAGEMENT SYSTEM

Advanced Distribution Management System (ADMS) is a system of systems used to optimize the capability, efficiency, reliability and security of water and electric delivery systems. For electric delivery systems, ADMS features include voltage optimization (i.e., volt-var optimization and conservation voltage regulation/reduction), fault location, isolation, and restoration (FLISR), outage management and state estimation. ADMS is a long-term vision for Riverside Public Utilities.

69. DISTRIBUTION AUTOMATION/RELIABILITY

Provides for the design and installation of remote sensing devices and remotely controlled equipment on the Riverside water system. This new technology equipment remotely monitors the water system and reports information immediately to water control center. Remotely controlled equipment reduces personnel costs and improves response times to system disturbances.

72. ENTERPRISE OPER DATA MGMT SYSTEM

ODMS receives data from electric delivery and generation system instrumentation and data communication, storage, and analysis systems. The data will support advanced monitoring and control systems to improve the operational efficiency and capability of the electric delivery systems.

73. LAND MOBILE RADIO

The Work, Asset and Inventory Management system (WIS) is important not only for controlling and minimizing stock materials on hand, but it is important for its hand-off of materials through the work management system and assigning the cost of materials to assets in the asset management system. The WIS is an integral part of the workflows and information needed by the Work Management System and Asset Management System. Supports management of the Utility's field infrastructure assets (e.g. pipes, pumps, valves, connections, etc.). Includes field work-orders, asset costs and utilization.

74. LAND MOBILE RADIO

Land Mobile Radio (LMR) is a wireless communications system intended for use by terrestrial users in vehicles (mobiles) or on foot (portables). The new system should capitalize on digital technology known as frequency division multiple access (FDMA). The new LMR system will supply new antennas to provide citywide coverage, provide a new dispatcher console, coexist with the current analog LMR system, be based on FDMA technology, support narrow channels, enable trunked modes of operation for both analog and digital modulations, have multiple talk groups, and support private calling. It will also be Advanced Encryption and Data Encryption Standard encrypted and be capable of Over the Air Programming (OTAP).

75. MOBILE APPLICATIONS

Mobile Apps increase operational efficiency and safety by providing real-time information to field personnel when and where they need it; ensure system configuration and status is always known by the personnel operating the system; reduce the need for paper-based maps, plans, and work orders; reduce the as-built record keeping effort; and enable field operation personnel to share real time information with system operators and engineers.

76. STREET IMPROVEMENTS

This is an ongoing program to relocate existing waterline facilities to avoid utility conflicts that arise as part of street improvement projects facilitated by the City's Public Works Department, or other outside agencies (e.g. Caltrans, Riverside County Transportation Commission, San Bernardino Associated Governments, etc.).

86. PLANT 2 BLOWER NO. 2 REHAB/REPLACE

Procure and install by Design/Build Entity one 600 HP dual core turbo blower, including mechanical, electrical, integration and structural work.

87. MAGNOLIA SEWER FORCEMAIN REPLACEMENT

Replace existing 30" sewer forcemain.

88. FAIRMOUNT PARK TRUNK SEWER REHAB

Rehabilitation (CIPP Lining) of an existing 18" sewer main.

89. 2018-2019 SEWER MAINS REHAB

Rehabilitation (CIPP Lining) of existing 8" sewer mains located in easements in residential properties.

90. 2017-2018 SEWER MAINS REHAB

Rehabilitation (CIPP Lining) and point repair of sewer mains at various locations throughout the City.

91. HILLSIDE AVE TRUNK SEWER REPLACEMENT

Upsizing of an existing 24" sewer main.

94. MONROE LINE E 2&3; LINES E2/E

This project will add another 18 inches to the existing 72-inch diameter pipe and catch basins/inlet structures within street right-of-way to capture run-off from the green belt area.

124. JO JO WAY SIDEWALKS 17/18

Measure Z Pavement Rehabilitation and Pedestrian Facilities Improvement Program.

125. SELKIRK AVENUE SIDEWALKS 17/18

Measure Z Pavement Rehabilitation and Pedestrian Facilities Improvement Program.



EXHIBIT 3 – New/Expanded Project Description & Consistency Evaluation

The following provides a description of projects included in Table 2 in the Staff Report. The Planning Division staff has identified objectives and policies supporting a Determination of General Plan 2025 consistency.

44. RIVERSIDE TRANSMISSION RELIABILITY PROJECT (RTRP)

RTRP is a joint project with SCE to address the electrical capacity and reliability needs of the City. As part of RTRP, there was a smaller Sub-Transmission Project (STP) that was completed in 2014. The following Objective and Policy most directly relate to this project:

Objective PF-6: Provide affordable, reliable and, to the extent practical, environmentally sensitive energy resources to residents and business.

Policy PF-6.2: Ensure that adequate back-up facilities are available to meet critical electrical power needs in the event of shortages or temporary outages.

Objective LU-10: Provide for appropriate timing of development in accordance with the future land uses designated in this Land Use Element.

Policy LU-10.3: Time the provisions of capital improvements to ensure that all necessary public services and facilities for an area planned for new urban development are in place when development in the area occur.

48. DARK FIBER

Optical fiber infrastructure for telecommunications companies, wireless operators, enterprise networks, data centers and others with critical, high capacity needs. The following Objective and Policy most directly relate to this project:

Objective PF-7: Ensure that Riverside residents, the business community and educational institutions have easy access to state-of-the-art internet series and modern telecommunications technology.

Policy PF-7.1: Provide innovative, targeted technology projects and related economic development incentives.

Policy PF-7.9: Continue to work with Riverside Public Utilities and private telecommunications infrastructure operators and owners to ensure that Riverside has state-of-the-art internet and telecommunication facilities, system upgrades, features and coverages.

Objective PF-8: Expand the accessibility of internet and similar communications services throughout the community.

70. AQUIFER STORAGE & RECOVERY SYSTEM

Interagency project to provide additional water supply through the recharge of water in the Bunker Hill Basin. The following Objective and Policies most directly relate to this project:

Objective OS-10: Preserve the quantity and quality of all water resources throughout Riverside.

Policy OS-10.1: Support the development and promotion of water conservation programs.

Policy OS-10.2: Coordinate plans, regulations and programs with those of other public and private entities which affect the consumption and quality of water resources within Riverside.

Policy OS-10.8: Cooperate with Riverside and San Bernardino Counties and adjacent jurisdictions in the review and approval of new developments which affect the quality and quantity of basin-wide groundwater and surface water resources.

Policy OS-10.10: Protect aquifer recharge features and areas of important aquifers from degradation of water quality and reduction of recharge.

71. UPPER SANTA ANA RIVER HABITAT CONSERVATION PLAN

Interagency project to mitigate the endangered Santa Ana Sucker along with twelve other covered species to allow for construction of water supply projects on a regional scale. This project will also create a mitigation bank to be used by each of the thirteen partner agencies. The following Objective and Policies most directly relate to this project:

Objective OS-10: Preserve the quantity and quality of all water resources throughout Riverside.

Policy OS-10.1: Support the development and promotion of water conservation programs.

Policy OS-10.2: Coordinate plans, regulations and programs with those of other public and private entities which affect the consumption and quality of water resources within Riverside.

Policy OS-10.8: Cooperate with Riverside and San Bernardino Counties and adjacent jurisdictions in the review and approval of new developments which affect the quality and quantity of basin-wide groundwater and surface water resources.

Policy OS-10.10: Protect aquifer recharge features and areas of important aquifers from degradation of water quality and reduction of recharge.

84. SECONDARY SYSTEM UPGRADE

The Work consists of construction of new aeration blower facility, upgrading and retrofitting existing aeration basins at Plant 1 and Plant 2 in the City of Riverside Water Quality Control Plant. The following Objectives and Policies most directly relate to these project:

Objective PF-3: Maintain sufficient levels of wastewater service throughout the community.

Policy PF-3.1: Coordinate the demands of new development with the capacity of the wastewater system.

Policy PF-3.3: Pursue improvements and upgrades to the City's wastewater collection facilities consistent with current master plans and the City's Capital Improvement Program.

85. VAN BUREN SEWER (WOODCREST)

This project includes the installation of a gravity sewer main on Van Buren Boulevard from Wood Road to Gamble Avenue. The following Objectives and Policies most directly relate to these project:

Objective PF-3: Maintain sufficient levels of wastewater service throughout the community.

Policy PF-3.1: Coordinate the demands of new development with the capacity of the wastewater system.

Policy PF-3.3: Pursue improvements and upgrades to the City's wastewater collection facilities consistent with current master plans and the City's Capital Improvement Program.

123. VAN BUREN WIDENING-WASHINGTON TO WOOD

The project proposes to widen Van Buren Boulevard from King Avenue to Bountiful Street, a total distance of approximately 2.5 miles, to improve traffic operations within the corridor segment. The project would widen Van Buren Boulevard from four lanes to six lanes and add right turn pockets at major intersections, new driveways, and sidewalk. The County of Riverside is taking the lead on this project and the City of Riverside will only be responsible to provide its fair share contribution to the County of Riverside. The following Objective and Policies most directly relate to this project:

Objective CCM-2: Build and maintain a transportation system that combines a mix of transportation modes and transportation system management techniques, and that is designed to meet the needs of Riverside's residents and businesses, while minimizing the transportation system's impacts on air quality, the environment and adjacent development.

Policy CCM-2.1: Complete the Master Plan of Roadways shown on Figure CCM-4 (Master Plan of Roadways).

Policy CCM-2.9: Design all street improvement projects in a comprehensive fashion to include consideration of street trees, pedestrian walkways, bicycle lanes, equestrian pathways, signing, lighting, noise and air quality wherever any of these factors are applicable.

Objective CCM-10: Provide an extensive and regionally linked public bicycle, pedestrian and equestrian trails system.

Policy CCM-10.10: Evaluate the needs of bicycle traffic in the planning, design, construction and operation of all roadway projects funded by the City.

Policy CCM-10.11: Provide sufficient paved surface width to enable bicycle traffic to share the road with motor vehicles where traffic volumes and conditions warrant.

Policy CCM-10.12: Encourage bicycling as a commute mode to school, work, etc.