



MISSION INN BOOSTER STATION AND PRESSURE REZONING PROJECT FOR A TOTAL PROJECT COST OF \$5,745,000

Riverside Public Utilities

Board of Public Utilities
September 23, 2019

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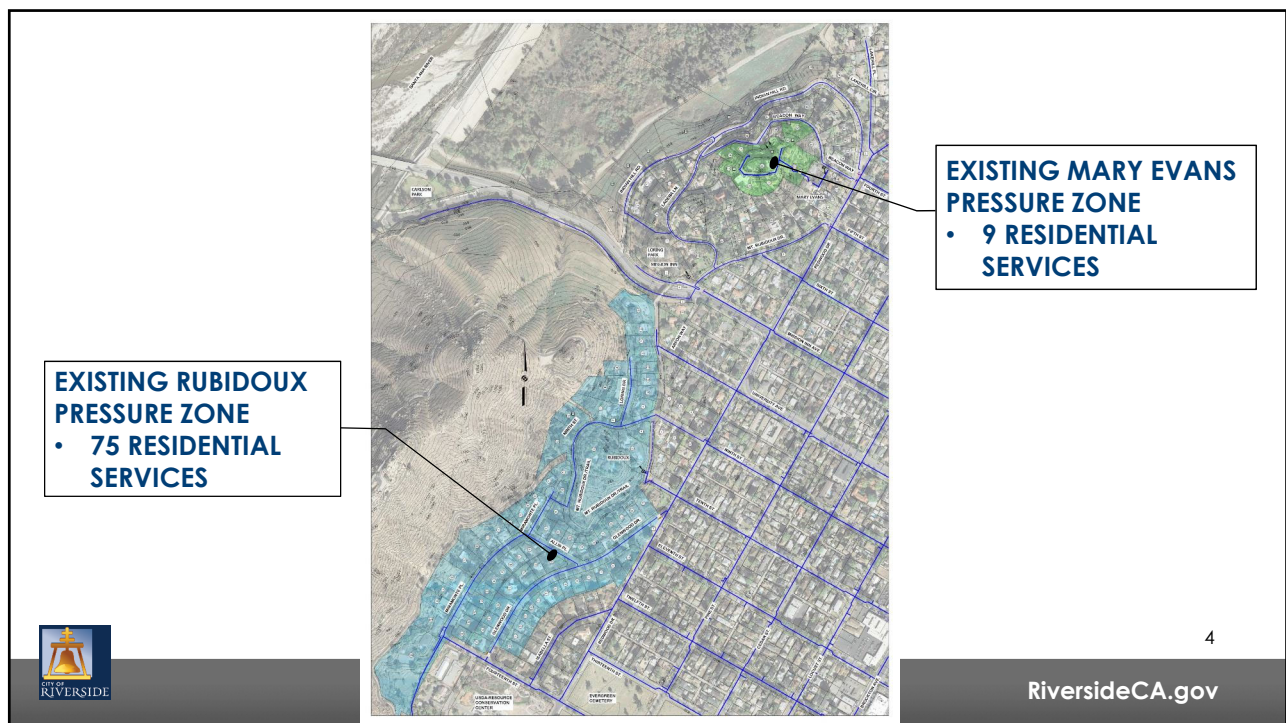
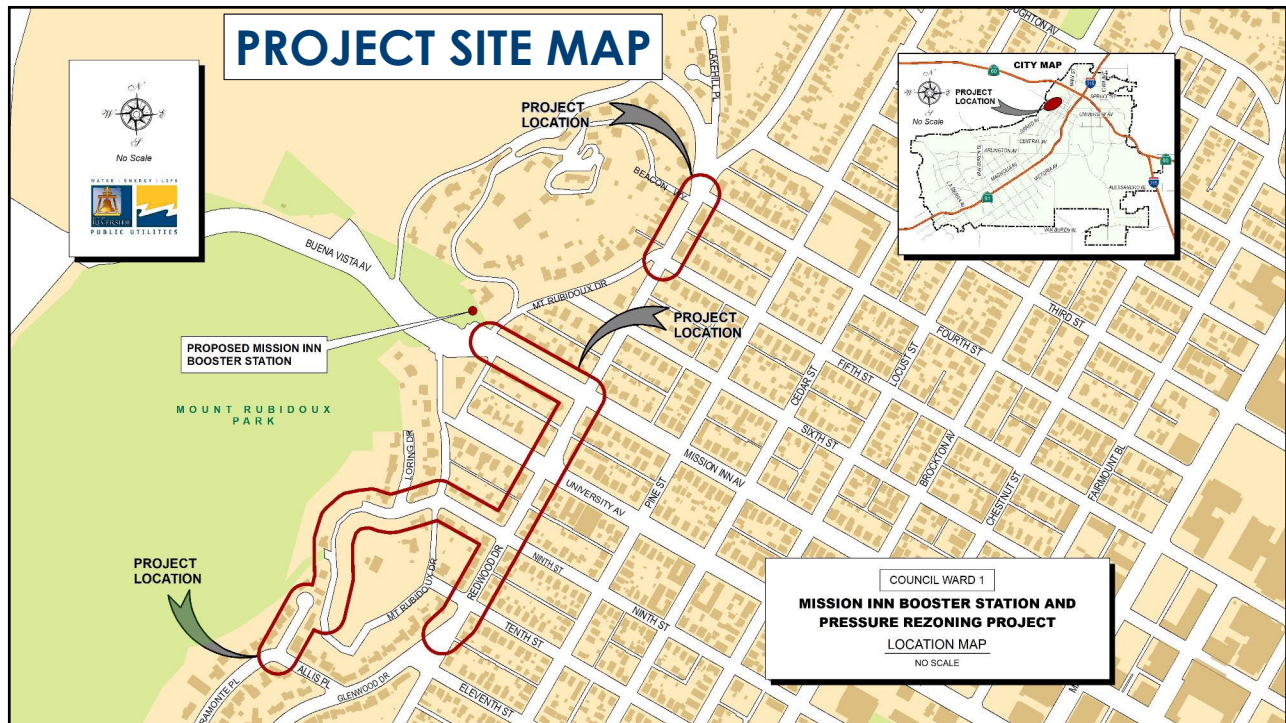
BACKGROUND

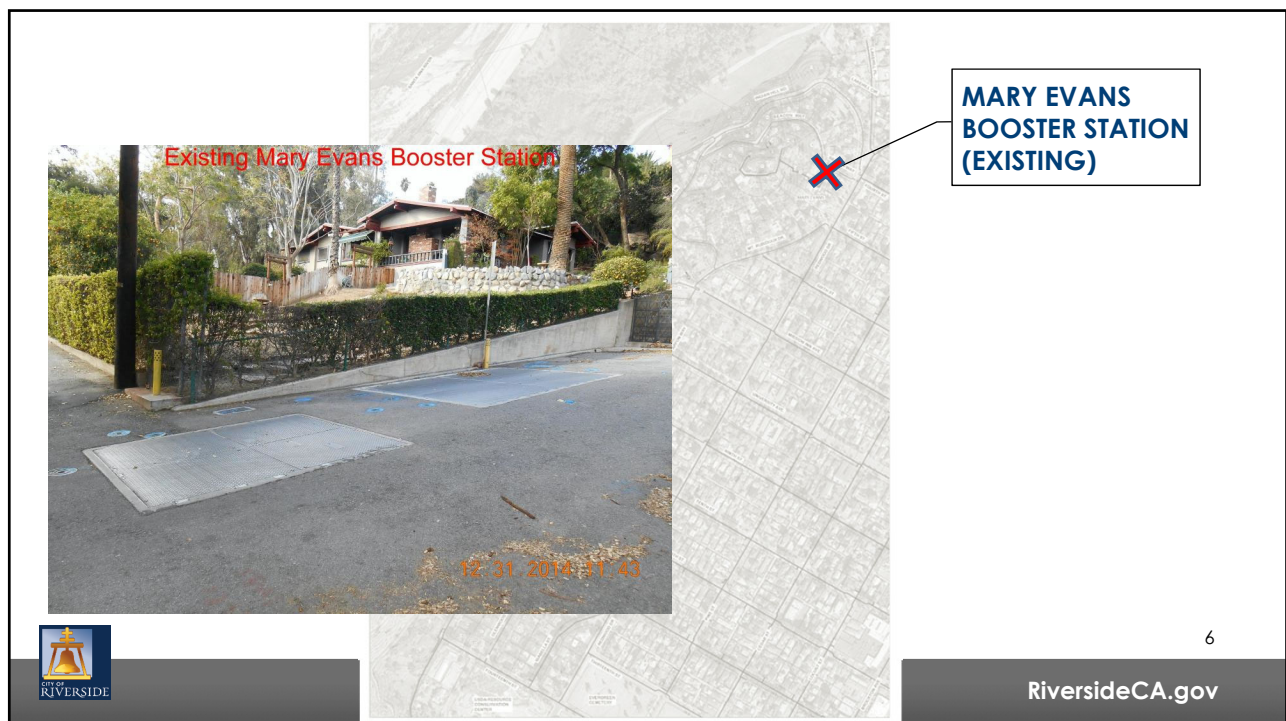
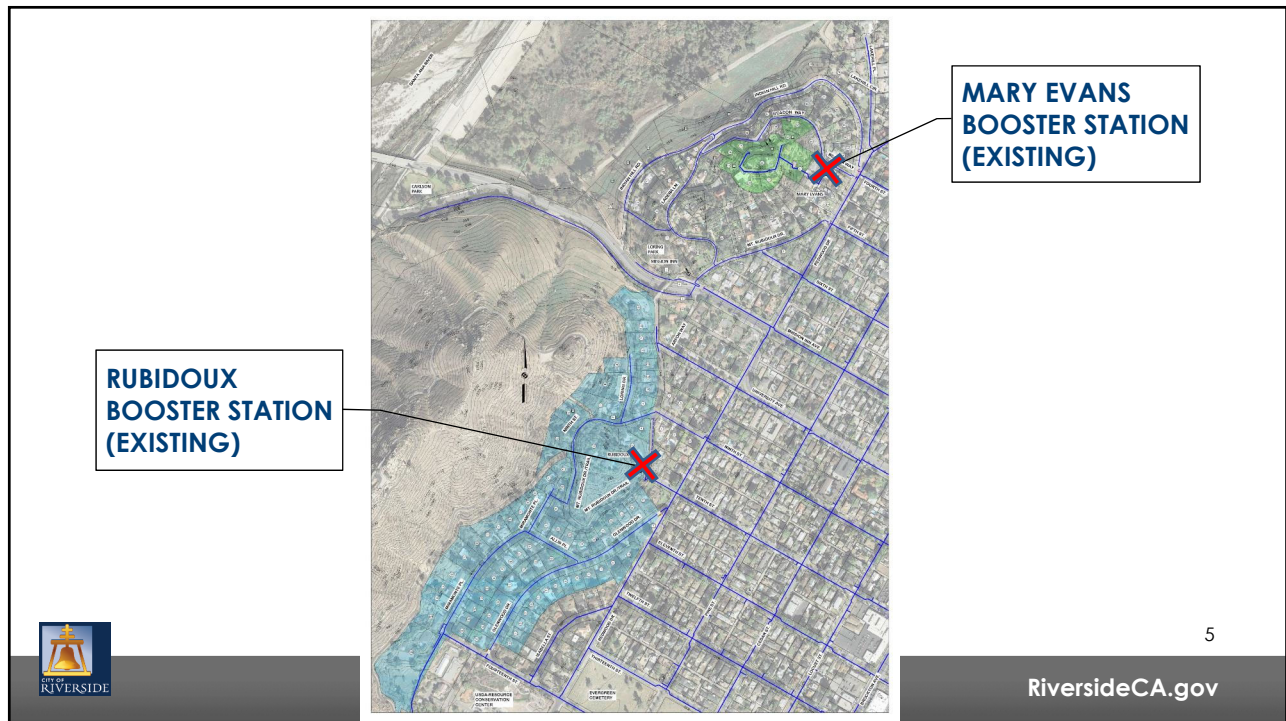
1. Proposed booster station and rezoning project will address system operational needs:
 - a. Replace old/inadequate booster stations
 - b. Improve water pressure
 - c. Improve fire flow
 - d. Improve employee safety
 - e. Improve system reliability




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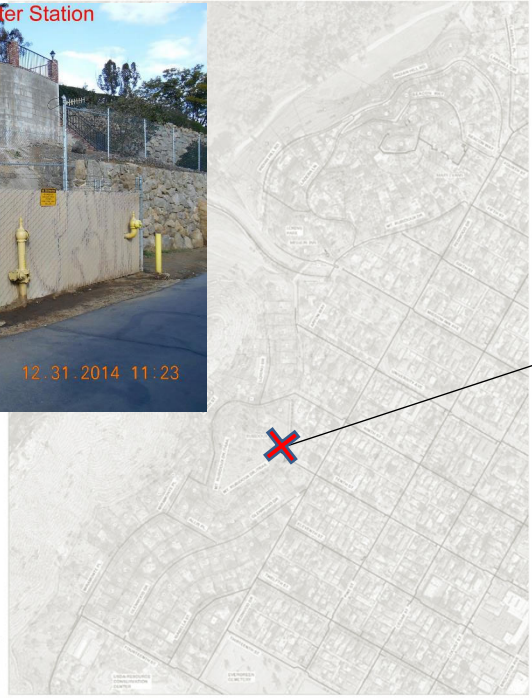
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Existing Rubidoux Booster Station



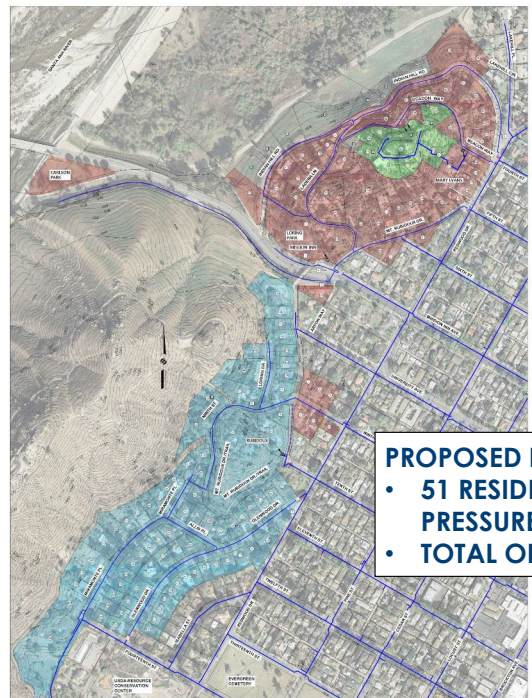


**RUBIDOUX
BOOSTER STATION
(EXISTING)**




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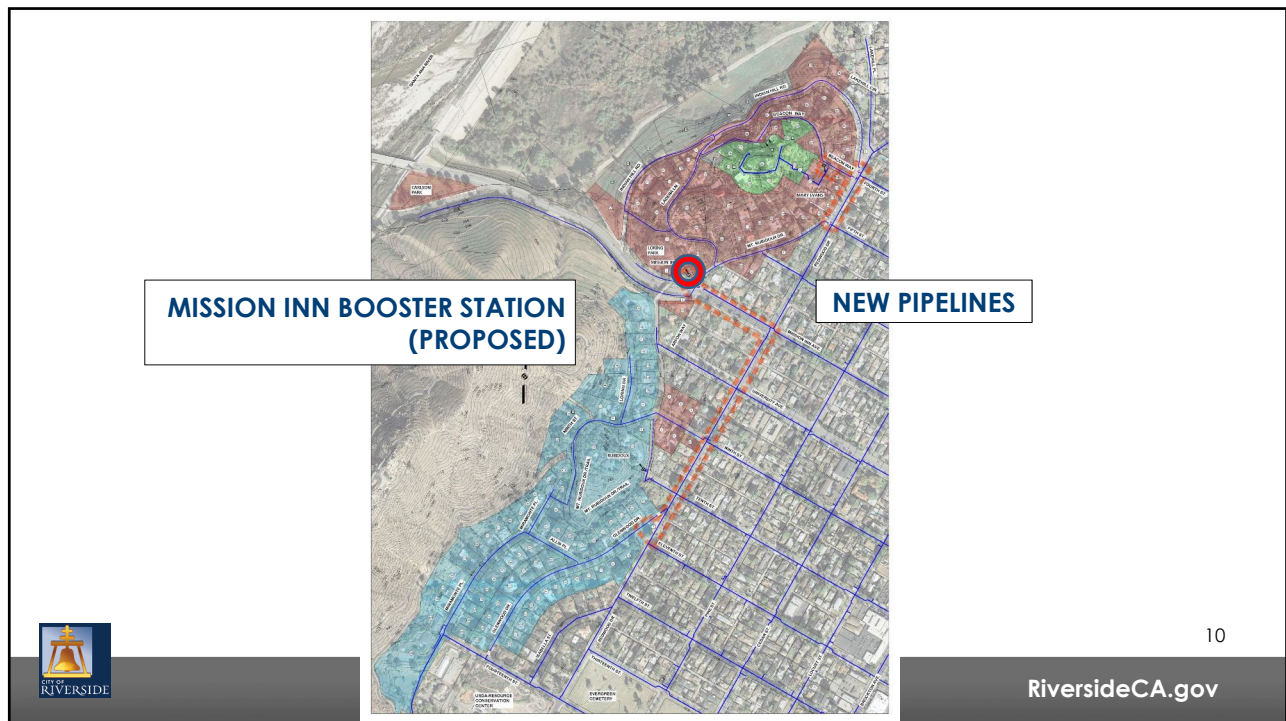
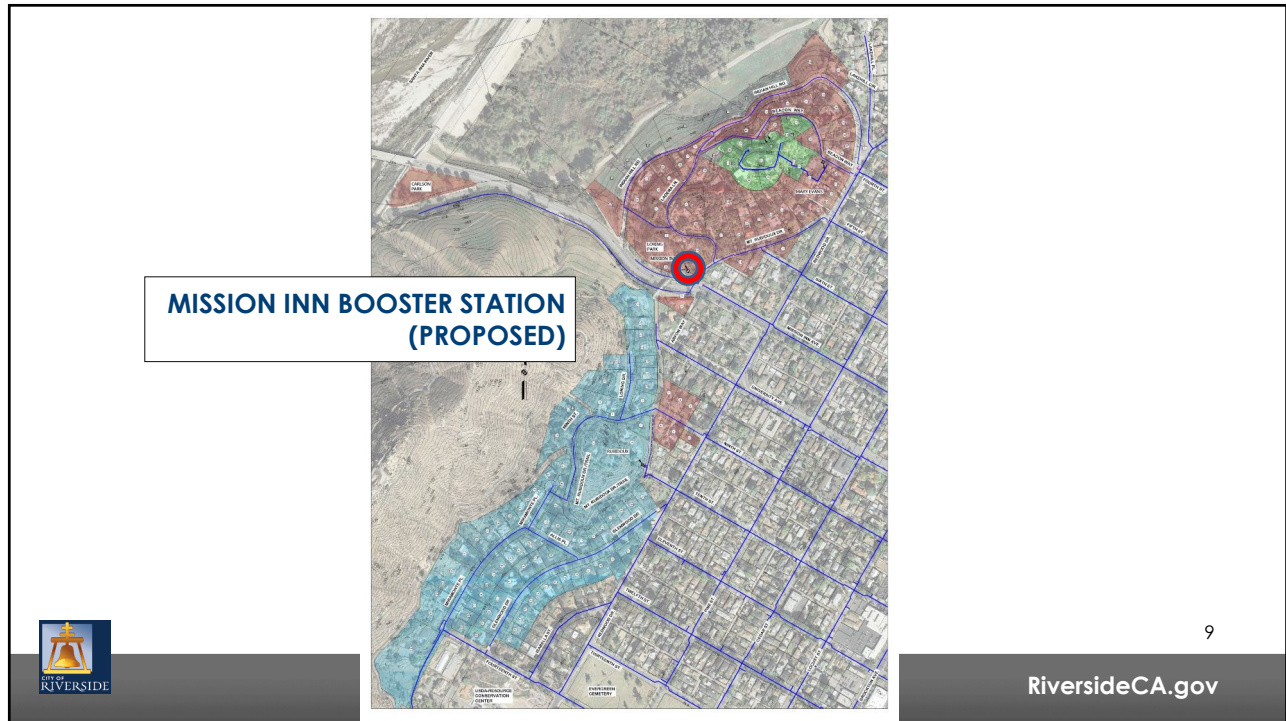
PROPOSED PRESSURE ZONE

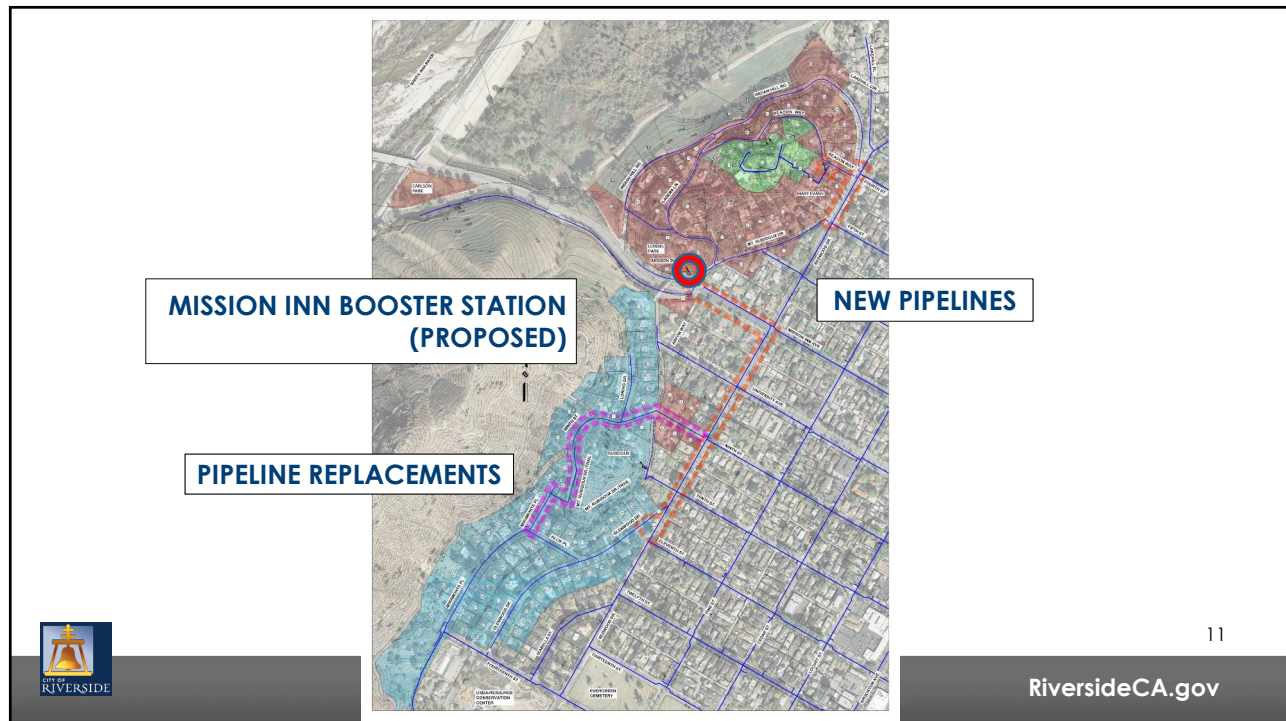
- 51 RESIDENTIAL SERVICES FROM 997 PRESSURE ZONE
- TOTAL OF 135 RESIDENTIAL SERVICES



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BACKGROUND (CONT.)

2. March 15, 2017: Project initially taken to the Cultural Heritage Board (CHB)
 - a. Referred to a subcommittee
 - b. Requested a continuation until May 17, 2017
3. May 17, 2017: CHB approval of the project
4. July 10, 2017: Presented to the Riverside Board of Public Utilities as a planned project for FY2017/18



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BACKGROUND (CONT.)

5. November 7, 2017: Riverside City Council
 - a. Approved acquisition of park property by RPU
 - b. Adopted a Mitigated Negative declaration
 - c. Adopted a Mitigation Monitoring and Reporting Program
 - d. Issued a Certificate of Appropriateness



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BACKGROUND (CONT.)

6. October 18, 2018: Project was advertised for construction
 - a. Bids were canceled due to higher than budgeted pricing
7. May 13, 2018: Board recommended that the Council approve a mid-cycle budget adjustment for FY2019/20
8. June 18, 2019: A public hearing was held and the Council approved proposed mid-cycle budget adjustment



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BACKGROUND (CONT.)

9. Park and Recreation

- a. RPU acquired approximately 4,000 SF of Loring Park in exchange for improved water pressure and electrical service



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PROJECT DESCRIPTION

Mission Inn Rezoning Pipeline Project

1. 2,530 LF of 12-inch Ductile Iron Pipe
2. 2,570 LF of 8-inch Ductile Iron Pipe
3. 20 LF of 6-inch Ductile Iron Pipe



4. 9 Fire Hydrants



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PROJECT DESCRIPTION (CONT.)

5. 25 Water Services



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PROJECT DESCRIPTION (CONT.)

Mission Inn Booster Station Project

1. Prefabricated Concrete Building
2. Four 40 HP Pumps and Motors
3. Electrical Equipment and Service
4. Landscaping and Irrigation



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PROJECT DESCRIPTION (CONT.)

Existing booster stations to be abandoned

MARY EVANS STATION



RUBIDOUX STATION



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PROPOSED BOOSTER STATION



PROPOSED BOOSTER STATION (CONT.)



PROPOSED BOOSTER STATION (CONT.)



PROPOSED BOOSTER STATION (CONT.)



BID RESULTS

RPU-7692 for Mission Inn Rezoning Pipeline Project

1. Advertised July 12, 2019
2. Pre-bid conference held July 18, 2019
3. Bids opened August 13, 2019
4. Six bids received



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BID RESULTS (CONT.)

Rank	Vendors	City Location	Bid Total
1.	T.E. Roberts, Inc.	Orange, CA	\$2,506,620
2.	Ferreira Construction Company, Inc.	Rancho Cucamonga, CA	\$2,686,875
3.	C.P. Construction Company, Inc.	Ontario, CA	\$2,886,800
4.	Trautwein Construction, Inc.	Rancho Cucamonga, CA	\$3,091,230
5.	Weka, Inc.	Highland, CA	\$3,148,472
6.	Christensen Brothers General Engineering, Inc.	Apple Valley, CA	\$3,664,850

► Engineer's Construction Cost Estimate \$2,920,000



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BID RESULTS (CONT.)

RPU-7693 for Mission Inn Booster Station Project

1. Advertised July 15, 2019
2. Pre-bid conference held July 18, 2019
3. Bids opened August 22, 2019
4. Four bids received



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BID RESULTS

Rank	Vendors	City Location	Bid Total
1.	S.C.W. Contracting Corp.	Fallbrook, CA	\$1,623,805
2.	Ferreira Construction Company, Inc.	Hemet, CA	\$1,702,760
3.	Cora Constructors, Inc.	Palm Desert, CA	\$1,734,829
4.	Aid Builders, Inc.	Los Alamitos, CA	\$3,078,500

► Engineer's Construction Cost Estimate \$1,630,000



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PROJECT BREAKDOWN

Project and Fiscal Breakdown		W.O. No. 1403310 (Pipelines)	W.O. No. 1402756 (Booster Station)	Total Project
Work Type:	Performed By:	Amount:	Amount:	Amount:
Environmental Documentation	Albert A. Webb Associates	\$0	\$61,813	\$61,813
Planning and Design	Internal Staff	\$213,244	\$104,501	\$317,745
Geotechnical Investigation	Hilltop Geotechnical, Inc.	\$7,000	\$0	\$7,000
Construction (Pipeline component)	T.E. Roberts, Inc.	\$2,506,620	\$0	\$2,506,620
Construction (Booster Station component)	S.C.W. Contracting Corp.	\$0	\$1,623,805	\$1,623,805
Construction Support, System Connections and Service Tie-overs	Internal Staff	\$360,000	\$10,000	\$370,000
Biological and Archaeological Monitoring Services	Rincon Consultants, Inc.	\$14,974	\$10,000	\$24,974
Native American Construction Monitoring Services	Soboba Band of Luiseño Indians	\$11,250	\$11,250	\$22,500
Native American Construction Monitoring Services	Morongo Band of Mission Indians	\$11,250	\$11,250	\$22,500
Engineering Support, Construction Management and Inspection	Internal Staff	\$200,000	\$100,000	\$300,000
Geotechnical and Materials Testing	Vendor to be Determined (Consultant Panel)	\$50,000	\$25,000	\$75,000
Construction Contingencies	N/A	\$250,662	\$162,381	\$413,043
Work Order Totals:		\$3,625,000	\$2,120,000	\$5,745,000
Reimbursements:				None
Anticipated Start Date:				October 2019
Anticipated Duration:				9 Months



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RECOMMENDATIONS

That the Board of Public Utilities:

1. Award Bid No. RPU-7692 for the Mission Inn Rezoning Pipeline Project to T.E. Roberts, Inc., of Orange, California, in the amount of \$2,506,620;
2. Award Bid No. RPU-7693 for the Mission Inn Booster Station Project to S.C.W. Contracting Corp., of Fallbrook, California, in the amount of \$1,623,805;



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RECOMMENDATIONS (CONT.)

3. Authorize change order authority in the amount of 10% or \$250,662 for Bid No. RPU-7692;
4. Authorize change order authority in the amount of 10% or \$162,381 for Bid No. RPU-7693;
5. Approve Work Order No. 1403310 for a capital expenditure of \$3,625,000 which includes all environmental documentation, design, construction, paving, contract administration, inspection, and construction change order authority costs for the Mission Inn Rezoning Pipeline Project;



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RECOMMENDATIONS (CONT.)

6. Approve Work Order No. 1402756 for a capital expenditure of \$2,120,000 which includes all environmental documentation, design, construction, paving, contract administration, inspection, and construction change order authority costs for the Mission Inn Booster Station Project; and
7. Authorize the City Manager, or designee, to execute construction agreements and any other documents necessary to effectuate the projects described herein, as well as, the ability to make minor non-substantive changes including changes to each of the work order amounts but not-to-exceed the cumulative project total of \$5,745,000 and in accordance with all purchasing policies.



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