



# City of Needles, California Request for Board Action

CITY COUNCIL/NPUA  Board of Public Utilities  Regular  Special

**Meeting Date:** October 5, 2021

**Title:** Authorize Epic Engineer to Complete the Engineer Design Work to Develop the Details, Specifications, and Cost Estimates for the Deteriorating Pipe Projects Submitted to the California Department of Water Resources (DWR) not to exceed \$38,328

**Background:** The City submitted an application to the California Department of Water Resources (DWR) for funding through the Small Community Drought Relief Program application for the construction costs of the replacement of deteriorating pipes. The City will utilize these grant funds to complete the engineer design work to develop the details, specifications, and cost estimates for the replacement of the service laterals and mains on the following areas:

1. Replace Deteriorating Pipe Monterey Ave & Arizona Ave Street
2. Replace Deteriorating Manifold Maintenance Yard
3. Replace Deteriorating Pipe Jack Smith Park Road (6-inch AC from lagoon St to Jack Smith Park)

The city was awarded the grant application but is contingent on the entire project scope to be completed no later than December 31, 2021.

**Fiscal Impact:** To be funded by the Department of Water Resources (DWR) and the Coachella Valley Water District Grant Agreement #4600012245 Sub-project 12.b. Deteriorating Pipes Replacement Design of \$50,218.

Sylvia Sylvia Miledi, Finance Director

**Recommended Action:** Authorize Epic Engineer to Complete the Engineer Design Work to Develop the Details, Specifications and Cost Estimates for the Deteriorating Pipe Projects Submitted to the California Department of Water Resources (DWR) not to exceed \$38,328

**Submitted By:** Rainie Torrance, Assistant Utility Manager

**City Management Review:** Rick **Date:** 9/30/21

Approved: <input type="checkbox"/>	Not Approved: <input type="checkbox"/>	Tabled: <input type="checkbox"/>	Other: <input type="checkbox"/>
Agenda Item: <u>5.</u>			

# CITY OF NEEDLES, CALIFORNIA

Scope of Work and Budget Analysis  
**2022 Waterline Replacements**  
 Prepared by Epic Engineering P.C.  
 9/10/2021

Total Estimated Cost: \$38,300.00

Task No.	Description	Hours	Cost	City			Plan			Sr. CAD Tech	Accounting	Indirect Costs
				Engineer	Engineer	Engineer	Check	Checker	Engineer			
100	Design			\$191.00	\$149.00	\$117.00	\$106.00	\$91.00				
101	Contract Administration	9.00	\$1,251.00	2.00	4.00				3.00			
102	Kickoff Meeting & Coordination with City Staff	6.00	\$1,020.00	3.00	3.00							
103	Generate Base Files with Imagery	22.00	\$2,560.00			9.00	10.00					
104	Cover Sheet, Vicinity Map & Index	6.00	\$690.00		1.00	1.00	4.00					
105	Plan View Sheets (10 Sheets at 1"= 40' Scale)	169.00	\$18,985.00	2.00	12.00	35.00	120.00					
106	Pipeline Flushing Sequence Plan (2 Sheets)	21.00	\$2,571.00	1.00	4.00	8.00	8.00					
107	Maintenance Yard Manifold Replacement (1 Sheet at 1"=20')	21.00	\$2,783.00	3.00	6.00	4.00	8.00					
108	Details (2 Sheets)	23.00	\$2,621.00	1.00	1.00	5.00	16.00					
109	Typical Details (1 Sheet)	7.00	\$807.00		1.00	2.00	4.00					
110	Design Review Meeting w/ Owner	10.00	\$1,658.00	4.00	6.00							
111	Technical Specifications	10.00	\$1,340.00	1.00	3.00	6.00						
112	Engineer's Estimate of Construction Cost	10.00	\$1,308.00	1.00	2.00	7.00						
113	State Review & Approval Process	6.00	\$734.00		1.00	5.00						
	<b>SUB-TOTAL</b>	<b>320.00</b>	<b>\$38,328.00</b>	<b>18.00</b>	<b>47.00</b>	<b>82.00</b>	<b>170.00</b>	<b>3.00</b>			<b>0.00</b>	
	<i>Indirect Costs</i>		<i>\$0.00</i>									
	<b>TOTAL for Task 100</b>		<b>\$38,328.00</b>									
	<b>MAN-HOUR / TASK COST TOTALS</b>	<b>320.00</b>	<b>\$38,328.00</b>	<b>18.00</b>	<b>47.00</b>	<b>82.00</b>	<b>170.00</b>	<b>3.00</b>	<b>\$</b>	<b>-</b>	<b>-</b>	