



AGENCY: City Council
MEETING DATE: August 30, 2021
DEPARTMENT: Public Works
PRESENTED BY: J. Smith
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AGENDA ITEM SUMMARY

TITLE:

Receive Report and Consider Adoption of City Council Resolution Authorizing the City Manager to Execute Purchase Order/Purchase Agreement for the Purchase of Groundwater Treatment Equipment and Spare Parts for the Desalination Pretreatment Filtration System, Amount Not to Exceed \$154,624, Budget Amendment No. 2022-07 (Account No. 651-6130-0731)

ISSUE:

The flow in the Noyo River, which is our primary water source in summer/fall months, is at levels well below 1977, which was our worst drought on record. Staff has been working with the State Water Resources Control Board, Cal OES, Department of Drinking Water and other state agencies for several months planning for alternative sources including use of a portable desalination plant and a shallow groundwater treatment system to supplement our surface water sources.

ANALYSIS:

At its June 14, 2021 meeting, the City Council approved funds to answer shortcomings of the water supply from the City's water sources during this drought. Staff reviewed a number of potential supplemental water sources that might provide relief to our potential low flow situation. Desalination was found to provide the greatest volume of water but had the longest equipment lead time, requiring an expedited procurement process. In a not so distant second was the option of shallow groundwater. The Fort Bragg Unified School District owns and operates a shallow irrigation well at the Redwood Elementary School. This source requires a complete treatment system due to the depth of the well. The shallowness of this well requires treatment equal to that of our surface water treatment plant. With product lead times for equipment continuing to be the greatest challenge, putting together a treatment system that satisfies the Division of Drinking Water, has been difficult to say the least. The proposed groundwater treatment package and spare parts for the desalination pretreatment system are all expected to be on site in 4-5 weeks.

RECOMMENDED ACTION:

Adopt Resolution authorizing the City Manager to execute the purchase orders and purchase agreements to purchase the equipment.

ALTERNATIVE ACTION(S):

1. Do not adopt Resolution.
2. Provide alternative direction to staff.

FISCAL IMPACT:

The purchase of the described equipment may provide necessary water supply to reduce economic impact and provide necessary fire flows.

GREENHOUSE GAS EMISSIONS IMPACT:

Minimal impact is expected.

CONSISTENCY:

N/A

IMPLEMENTATION/TIMEFRAMES:

Complete required documents after Council approval.

ATTACHMENTS:

1. Resolution
2. Budget Amendment Exhibit A
3. Desalination Spare Parts Proposal
4. Redwood Well Treatment System Proposal

NOTIFICATION:

N/A.