

# BOLINAS COMMUNITY PUBLIC UTILITY DISTRICT



BCPUD    BOX 390    270 ELM ROAD BOLINAS CALIFORNIA 94924    415 868 1224

## MEMORANDUM

<b>TO:</b>	BCPUD Board of Directors
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<b>FROM:</b>	Georgia Woods (BCPUD General Manager)
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<b>RE:</b>	Workflow for the Drought Relief Well Projects at 31 Wharf and Resource Recovery Site
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<b>DATE:</b>	September 18, 2024
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### **Broad summary and status of the Drought Relief Well Projects at 31 Wharf Road and Resource Recovery Project Site:**

The Bolinas Community Public Utility District (BCPUD) currently (and historically) serves drinking water to the town of Bolinas from local surface water resources that are limited and vulnerable to drought. During a severe drought in 2021, the district was facing the prospect of mandatory rationing and began pursuing the possibility to incorporate groundwater into BCPUD's potable water system to augment drought resiliency. In the summer of 2022, the district received regulatory approval from the California Department of Water Resources (DWR) to incorporate two existing wells into BCPUD's drinking water system. The district is actively pursuing the "Drought Relief Well Project" which aims to incorporate two preexisting wells, the "Resource Recovery Well" and the "31 Wharf Well" into its potable water system. This will enable the district to use these two groundwater sources to supplement surface water supplies during future droughts. Under the emergency drought conditions of 2021, the district began procuring some materials required for this project's implementation.

In September 2023, BCPUD received final funding approval from the California Division of Drinking Water (DDW) to pursue the Drought Relief Project, which included funding support for permitting, engineering and construction costs. In June of this year, the BCPUD received Coastal Development Permits (CDPs) from the County of Marin, allowing for construction of all infrastructure necessary to incorporate the Resource Recovery Well and the 31 Wharf Well. While the incorporation of both wells is jointly funded by DDW, incorporation of each well is permitted under its own separate CDP because the wells are located on distinct properties: the Resource Recovery well lies on district property and the 31 Wharf Well lies on private property owned by the Bolinas Community Land Trust (BCLT). [BCPUD has acquired the rights from BCLT to use the well water through a licensing agreement.] As such, the Drought Relief Well Project is really two independent projects: (1) incorporation of the Resource Recovery Well and (2) incorporation of the 31 Wharf Well.

These projects have now reached their engineering and construction phases. The district foresees that to pursue the construction phase in a cost effective and efficient manner, these projects will be completed with a combination of Force Account Labor (i.e. work conducted by district employees) and with the help of outside contractors.

In particular, the district foresees that Force Account Labor will attend to the following project tasks:

- Delivery and installation of water tanks to each site (the tanks were procured in 2021 during the height of the drought).
- Connection of water tanks to the water transmission line.
- Installation of chain link fencing around the tank sites and well heads.
- Procurement and installation of a Conex container for a water treatment trailer, including chlorine feed pump, fittings, valves, sensors, saddles, pipes and fittings.
- Procurement, installation and finishing of a shed for treatment of well water.

The district foresees that the following project tasks may need to be installed by an outside contractor, and as such may require a public bidding process:

- Installation of all electrical work required for the well water treatment facilities.
- Tie-in of water pipes to our main water transmission line on County roads.
- Installation of UV disinfection systems.
- Installation of a treated water pump from the treated water tank.
- Installation of a well pump into 31 Wharf well casing and associated well controls.