



Staff Report

June 5, 2023 Council Workshop Meeting

Well Sources 11 and 12 Capacity Upgrade Analysis

Presenter: Rob Charles, Utilities Manager

Time Estimate: 5 minutes

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BACKGROUND: The City is investigating the options to increase pumping capacity within the Washougal Wellfield at Wells 11 and 12 based on transferred water rights from two wells that were not developed at other locations in the City. Currently, Wells' 11 and 12 produce 1,200 and 900 gallons per minute (gpm); respectively. Higher rated pumps would allow the City to withdraw potentially up to 2,050 and 2,200 gpm from wells 11 and 12; respectively.

SUMMARY: An electrical system review is required to determine what electrical upgrades might be required to support installation of higher rated pumps. Motor starters and conduction equipment are anticipated to be required, but the electrical analysis included in this scope of work will identify if additional upgrades are required.

BENEFITS TO THE COMMUNITY: The added water source capacity at Wells 11 and 12 comes at a relatively low capital cost as compared to the cost of drilling new wells and constructing infrastructure to house and treat new source capacity.

POTENTIAL CHALLENGES: There may be additional electrical upgrades required to support the larger pumps. Any additional design or construction work required at the wells will be brought back to the City Council for further consideration.

BUDGET IMPACT: The cost of this professional service with Gray and Osborne is \$28,470 and will be paid out of the Water Fund's professional services line item.

RECOMMENDATION: Staff recommends this item be placed on the June 20, 2023 Council Regular Meeting Consent Agenda for Council's consideration.