

COUNCIL ACTION FORM

SUBJECT: NEW WATER PLANT CHANGE ORDER NO. 13 – CONTRACT 2

BACKGROUND:

On October 14, 2014, the City Council awarded a construction contract to Knutson Construction of Minneapolis, MN for the City's new drinking water treatment plant.

Six items have been identified that need to be addressed and result in a change to the contract. Knutson has provided a proposed change order for the work. Each item is described below.

- **Lime pond discharge modifications** – Changes are proposed to move the lime pond operating valves to a more convenient location. **Total cost is \$0.**
- **Added valves to 3" domestic and 6" fire service** – The valves were not included in the drawings, but are required by City Code. **Total cost for the valves is \$5,095.**
- **Revised elevation of water services** – The water and fire service lines on the north side of the building were too shallow and had to be lowered to meet City Code requirements. **Total cost for the change is \$10,062.**
- **Interior wood veneer species selection** – The wood veneer on the interior doors was changed from white birch to cherry to provide a better color match with the specified cabinetry. **Total cost is \$1,115.**
- **Replace window treatment with roller shades** – Window treatments were changed from vertical blinds to roller shades throughout the building. **Total cost for this change is \$2,765.**
- **Hose bib relocation** – A hose bib was relocated to move it away from electrical equipment and closer to the point of use. **Total cost for the change is \$2,099.**

The net cost for this change order is \$21,136. It is the opinion of the consulting team that this is a fair and reasonable price for the requested changes.

The approved FY 16/17 Capital Improvements Plan includes a total project budget of \$71,241,000. A simplified breakdown of the project costs is shown below.

Description	Amount
Contract 1 (actual bid price)	\$3,197,273
Contract 2 (actual bid price)	52,497,000
Engineering	8,900,000
Lime Sludge Removal	1,570,000
Land & Easements	899,000
Special Inspections	350,000
Pre-design Activities	774,000
Equipment Allowances, Misc.	540,000
Contingency	2,513,727
Total	\$71,241,000

A summary of all change orders executed since the award of the construction contracts is included on the next page, with this latest change order shown in bold.

ALTERNATIVES:

1. Approve Change Order No. 13 for Contract 2 with Knutson Construction in the amount of \$21,136.
2. Do not approve the change order at this time.

MANAGER’S RECOMMENDED ACTION:

The proposed changes are to improve reliability and function of the water plant. The consulting engineers, City staff, and Knutson Construction have worked together to come up with reasonable, cost effective recommendations.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as described above.

New Water Treatment Plant
Summary of Change Orders and Running Contingency Balance

Description	Net Change	Remaining Contingency
<i>Initial contingency, based on FY 16/17 CIP</i>		\$ 2,513,727.00
Contract 2, Change Order #1 Sanitary Sewer Realignment	\$ 127,023.00	\$ 2,386,704.00
Contract 2, Change Order #2 Second water service line; additional gate valve; change in pipe material; manhole waterproofing.	\$ 55,634.00	\$ 2,331,070.00
Contract 1, Change Order #1 Raw water realignment, site work, communication structure	\$ 9,256.45	\$ 2,321,813.55
Contract 1, Change Order #2 Piping changes, bypass structure changes, hydrant valves	\$ 21,687.60	\$ 2,300,125.95
Contract 2, Change Order #3 Minor plumbing changes, tree removal, minor electrical change to elevator, process valve simplification	\$ 5,457.00	\$ 2,294,668.95
Contract 1, Change Order #3 Air relief hydrants, pedestrian ramp, thrust block removal and replacement	\$ 16,974.83	\$ 2,277,694.12
Contract 2, Change Order #4 Clearwell access hatches	\$ 6,192.00	\$ 2,271,502.12
Contract 2, Change Order #5 Debris removal, analyzers, access doors, lime pond gates, structural clarifications	\$ 21,790.00	\$ 2,249,712.12
Contract 1, Change Order #4 Road stone, replace lime sludge line laterals, repaint hydrants	\$ 6,647.12	\$ 2,243,065.00
Contract 2, Change Order #6 Electrical modifications, valve floor stand, tracer wire, loss of work time	\$ 22,624.00	\$ 2,220,441.00
Contract 2, Change order #7 Piping modifications to eliminate maintenance in a confined space	\$ 8,985.00	\$ 2,211,456.00
Contract 2, Change order #8 Flooring changes, plumbing modifications, concrete construction changes, valves, concrete pad	\$ 19,341.00	\$ 2,192,115.00
Contract 2, Change order #9 Miscellaneous construction modifications and process piping adjustments	\$3,659.00	\$2,188,456.00

Contract 2, Change order #10 Service water piping rerouting	\$6,027.00	\$2,182,429.00
Contract 2, Change order #11 Glass revisions	(\$2,360.00)	\$2,184,789.00
Contract 2, Change order #12 Natural gas pressure reducing valve and concrete pad	\$5,211.00	\$2,179,578.00
Contract 2, Change order #13 Lime pond work, water service lines, interior finish selections, hose bib modifications	\$21,136.00	\$2,158,442.00