



Memorandum

Date: 7/20/2021
Meeting of: City Council

File No. AM No. 21-100
Type: Consent Item

TO: Members of the City Council
FROM: Mayor Angela Birney
DEPARTMENT DIRECTOR CONTACT(S):

Public Works	Dave Juarez	425-556-2733
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DEPARTMENT STAFF:

Public Works	Mike Haley	Project Manager
Public Works	Jon Spangler	Construction Division Manager
Public Works	Steve Hitch	Interim Division Manager

TITLE:

Approval of the Reallocation of Capital Improvement Program Funding from Full Replacement of Wastewater Lift Stations 5,6, and 15 in 2021-2022 to Targeted Equipment Upgrades for Wastewater Lift Stations 5,6,8,11 and 15

OVERVIEW STATEMENT:

The current Wastewater CIP relies on a strategy of full replacement of each lift station when that station reaches the end of its useful life. This presents a challenge as some of the equipment in a station may become less reliable before a station is scheduled for full replacement and replacement equipment may no longer be available, which happened earlier this year to one of the lift stations.

A different approach being proposed to manage the lift stations is to prolong the life of the stations and delay the need for a full upgrade, using a "Strategic Asset Management Strategy". Targeted equipment upgrades will be performed to extend the life of lift stations; this will allow for smaller investments in equipment to ensure that the stations can operate with limited risk of failure for a longer period of time before full replacement.

Five of the City's 23 lift stations have been identified as needing immediate equipment upgrades to ensure an acceptable level of reliability. The proposed CIP revision will fund targeted equipment upgrades to Lift Station 5, 6, 8, 11, and 15, with the goal of completing those upgrades in 2022, instead of funding design and/or construction of full replacement of Lift Stations 5, 6, and 15.

Staff is assessing Lift Stations 5, 6, 8, 11, and 15 and will develop a revised Wastewater Lift Station Plan to upgrade all 23 lift stations over time. The Strategic Asset Management approach will inform development of this Plan and revisions to the Wastewater CIP in future years, for a combination of targeted equipment upgrades and full replacement of lift stations as required. This approach will ensure long term reliability while optimizing borrowing, utility rate stability, and staff capacity. The goal is to have the revised Plan completed this year in preparation for CIP deliberations for the next budget cycle.

☒ **Additional Background Information/Description of Proposal Attached**

REQUESTED ACTION:

☐ Receive Information ☐ Provide Direction ☒ Approve

REQUEST RATIONALE:

- **Relevant Plans/Policies:**
N/A
- **Required:**
Council approval is required to reallocate CIP funding.
- **Council Request:**
N/A
- **Other Key Facts:**
N/A

OUTCOMES:

This reallocated funding will result in a project that will replace equipment at five (5) Wastewater Lift Stations.

COMMUNITY/STAKEHOLDER OUTREACH AND INVOLVEMENT:

- **Timeline (previous or planned):**
N/A
- **Outreach Methods and Results:**
N/A
- **Feedback Summary:**
N/A

BUDGET IMPACT:

Total Cost: The proposed action is to reallocate funding from three (3) Wastewater Lift Station Projects to five (5) Wastewater Lift Station Targeted Equipment Upgrade Projects. The proposed CIP funding changes are shown in the table in exhibit A.

Approved in current biennial budget: ☒ Yes ☐ No ☐ N/A

Budget Offer Number:

Capital Improvement Program Map Number ID48, ID49, EH183, SE50 and WL47

Budget Priority:

Healthy and Sustainable

Other budget impacts or additional costs: ☐ Yes ☒ No ☐ N/A

If yes, explain:

N/A

Funding source(s):
Wastewater CIP

Budget/Funding Constraints:
The 2021-2022 Capital Investment is limited to \$5,080,000

☒ **Additional budget details attached**

COUNCIL REVIEW:

Previous Contact(s)

Date	Meeting	Requested Action
12/17/2020	Business Meeting	Approve
6/1/2021	Business Meeting	Approve
7/13/2021	Committee of the Whole - Planning and Public Works	Receive Information

Proposed Upcoming Contact(s)

Date	Meeting	Requested Action
N/A	None proposed at this time	N/A

Time Constraints:
N/A

ANTICIPATED RESULT IF NOT APPROVED:

If not approved, the current program to fully replace the lift stations would continue. However, since funding is not adequate to support replacement of the lift stations identified in the 2021- 2022 CIP, projects would need to be pushed out in time until funds can be accumulated to cover the replacement costs. Equipment upgrades will be necessary to ensure continued operations and reliability of the Lift Stations, as delay in replacing the Lift Station Equipment will put them at risk of failure.

ATTACHMENTS:

Attachment A: Existing and Revised 2021-2026 Capital Investment Program Table
Attachment B: Vicinity Map
Attachment C: Wastewater Lift Station Program