

ADMINISTRATIVE PUBLIC IMPROVEMENT PROJECT

Project name and brief description: Hickman Pool Heater Replacement: Park staff is proposing to use contract labor to replace the existing pool heater at Hickman High School swimming pool. During late fall 2020 through early winter 2021, the pool water heater began to fail and despite repeated repairs, would not operate continuously. This resulted in the cancellation of swim lessons, swim team practices and meets. Parks and Recreation maintenance staff worked with two different specialized mechanical contractors, and unfortunately, it was determined that the unit needed to be replaced. The estimated cost range for the purchase and installation of the new pool heater is approximately \$30,000 to \$35,000 depending on the amount of new service, electrical, duct work, plumbing, etc. that has to be replaced during installation. Staff is proposing to upgrade the existing 80% efficiency pool heater to a 98% high efficiency heater. This will reduce the annual operating expenses associated with the pool heater approximately \$6,000 to \$8,000 due to the unit efficiency and reduction in necessary BTUs for the heating of the pool water. The high efficiency heater has a higher initial cost compared to the existing unit but the payback is estimated at 1.23 years due to the annual energy savings. The high efficiency heater also has upgraded parts and new technology to protect internal components from pool water damage. The boiler is isolated from the pool water to avoid damage to the unit and the high-efficiency heater uses 100% outside air for burning in the unit. The reduction in annual energy expenses associated with heating the pool water also aligns with the current goals of the City's Climate Action and Adaptation Plan (CAAP). Staff is requesting an appropriation of funds totaling \$35,000 in a separate Council action for this project. The pool heater will be bid through the City's Purchasing Department, and the proposed improvements will be completed using an existing term & supply contractor. Staff anticipates completion of the work by late summer 2021.

Department: Parks and Recreation

Estimated cost: \$35,000

Funding source: Park Sales Tax and Donation

Project meets the following criterion (check one):

- Construction, upgrade or relocation of electric distribution lines less than sixty-nine (69) KV that is estimated to cost less than one million dollars (\$1,000,000.00).
- Water and electric production facility expansion projects estimated to cost less than five hundred thousand dollars (\$500,000.00).
- Sanitary sewer projects estimated to cost less than one hundred fifty thousand dollars (\$150,000.00).
- Storm water utility public improvement projects estimated to cost less than one hundred fifty thousand dollars (\$150,000.00).
- Any project estimated to cost less than fifty thousand dollars (\$50,000.00).

No tax bills will be issued for the project.

Project does not require exercise of power of eminent domain.

IP meeting held on: Maintenance Project – No formal IP meeting held

Attendance:

Result:

Note: IP meetings are not required for ordinary maintenance of public improvements or for projects where there are no obvious interested parties.

Submitted by: _____ Approved: _____
Department Head City Manager