

COUNCIL ACTION FORM

SUBJECT: UNIT 8 GENERATOR REPAIRS / RE-WEDGING STATOR

BACKGROUND:

Council may recall that the Unit 8 turbine and generator had a major overhaul in the spring of 2013. During that overhaul, generator testing was performed, and the results indicated loose wedges and increased “greasing” in critical locations within the generator. It was recommended by the testing firm to re-wedge the stator and replace connection ring ties in the near future. Unfortunately, that work was not completed during the recent outage due to unavailability of generator repair crews. Based on the recommendation of General Electric, the original equipment manufacturer, the unit was reassembled and could be operated safely. However, it was recommended that the re-wedging be accomplished within the next couple of years. **Therefore, Staff’s recommendation is to perform the work during the next planned outage scheduled for this fall.**

The engineer’s estimate of this project is \$270,811.

The approved FY 2012/13 Budget and Capital Improvements Plan included \$3,500,000 for the turbine generator overhaul, including parts, professional technical assistance, and contractor services. Funds in the amount of \$627,387.74 remain from that budget, which will be carried over to cover the costs associated with this project.

Upon City Council approval and receipt of favorable bids, the work would begin during the 2013 fall outage, which is scheduled to start on or about October 26, 2013.

ALTERNATIVES:

1. Approve the preliminary plans and specifications for the Unit 8 Generator Repairs/Re-wedging Stator and set August 14, 2013, as the bid due date and August 27, 2013, as the date of public hearing and award of contract.
2. Delay the re-wedging of the stator.

MANAGER'S RECOMMENDED ACTION:

This stator re-wedge is critical because, if not completed, the risk of catastrophic failure will increase significantly for the generator. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as stated above.