Cover Memo

File #: CONS 21-246, **Version:** 1

DATE: May 18, 2021

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT

Adopt a Resolution Authorizing the City Manager to Execute a Professional Services Agreement with Carollo Engineers, Inc., for the Water Pollution Control Facility Main Switchboard Electrical Distribution Rehabilitation Project, Project No. 07656, in an Amount Not-to-Exceed $1,108,835

RECOMMENDATION

That Council adopts a resolution (Attachment II) authorizing the City Manager to execute a professional services agreement (PSA) with Carollo Engineers, Inc., in an amount not-to-exceed $1,108,835 for the Water Pollution Control Facility (WCPF) Main Switchboard Electrical Distribution Rehabilitation Project, Project No. 611-07656.

SUMMARY

The WPCF treats an annual average wastewater flow of approximately eleven million gallons per day (MGD) and meets current requirements to discharge treated effluent to the deep waters of the San Francisco Bay. The existing main switchboard (MSB), originally installed in 1982, is a key component of the power distribution system at the WPCF. The MSB along with several related motor control centers (MCCs) have provided power and controls to various plant processes for nearly forty years. Concern over continued reliability of the switchgear due to obsolescence and availability of parts, as well as the current condition and continued deterioration from corrosive atmospheres, prompted staff to request that the electrical system be evaluated as part of the WPCF Phase II Facilities Plan. The Phase II Facilities Plan serves as a comprehensive planning document for the WPCF infrastructure needs for the next twenty-five years. An evaluation of the Old Cogeneration Building Electrical System was performed as part of the planning effort. The evaluation recommended replacing the existing MSB, as well as consolidating and replacing several existing aged MCCs, and retrofitting the existing old Cogen Cogeneration System Building to house the new electrical equipment.

ATTACHMENTS

Attachment I	Staff Report
Attachment II	Resolution