



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Approve plans and specifications and authorize advertisement for bids for one (1) Multifunction Primary Injection Test Set (\$30,000) (EUD)

MEETING DATE: September 18, 2002

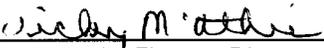
PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council approve plans and specifications and authorize advertisement for bids for one (1) Multifunction Primary Injection Test Set in the amount of \$30,000.

BACKGROUND INFORMATION: Primary Injection is used to test current and voltage transformers used in electric substations for control and metering. Breakers must trip at the correct values, and operators depend on accurate current and voltage values when switching and operating electric systems. Primary Injection inserts a current into the high voltage bushings of a circuit breaker and the current is measured on the secondary side of the current transformer for proper ratio and polarity at the metering and relays. This entails leaving a high current on for a long period of time while the measurements are made at various points of the circuit. One requirement of testing is a stable current which ensures that all the devices do indeed have the proper ration. The system we now have is very unstable and must be constantly adjusted, it overheats which changes the output and does not produce currents high enough to test many of the new circuit breakers with larger current rations. We no longer can procure repair parts for our old unit and the reliability is questioned every time we have to use it to take accurate measurements.

FUNDING: 2001-2003 Financial Plan & Budget Pg. E-6

Funding Approval:


Vicky McAthie, Finance Director

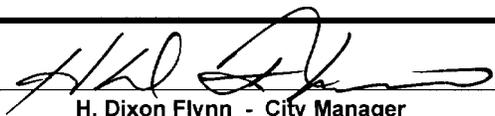

Alan N. Vallow
Electric Utility Director

PREPARED BY: Jess Kerekes, Electrical Technician

ANV/JK/1st

C: City Attorney
Purchasing Officer

APPROVED: _____


H. Dixon Flynn - City Manager