



**CITY OF LODI  
COUNCIL COMMUNICATION**

AGENDATITLE: Approve change orders for the repair of **two** power transformers at Industrial Substation (\$27,431) (EUD)

MEETING DATE: October **3, 2007**

PREPARED BY Electric **Utility** Director

RECOMMENDED ACTION: Approve the change orders for the repair of **two** power transformers at Industrial Substation (\$27,431).

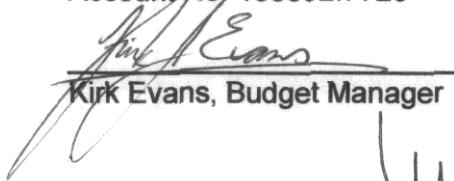
BACKGROUND INFORMATION: On May 16, 2007, the City Council awarded ~~the~~ transformer maintenance services to Waukesha Electric Systems, Inc. (Waukesha) for four power transformers with load tap changers in Henning and Industrial Substations as per Resolution No. 2007-86. Waukesha started their services at Industrial Substation on September 17, 2007.

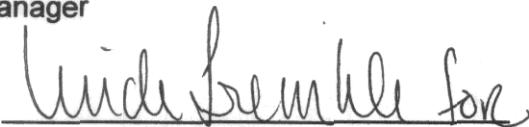
Testing and inspection of both Transformer Banks 1 and 3 at Industrial Substation revealed wearing of mechanical and electrical parts, faulty gauge, absence of dehydrating system, defective motor brake system, excessive coking and carbon deposits, leaking barrier between tap changer chamber and main tank, worn-out O-Rings, and the need to overhaul the tap changer mechanisms. Detailed scope of repair works for both transformers are stipulated in the attached copies of Change Orders 1 and 2. The original contract for Waukesha Electric Systems to perform the routine maintenance test and inspection for the portion of two power transformers at Industrial Substation is \$15,125.

The repairs would prolong the useful life of both power transformers and would minimize system failure. It is therefore recommended by Staff that the City Council approve the Change Orders 1 and 2 as issued to Waukesha Electric Systems.

FISCAL IMPACT: Not to exceed \$27,431.

FUNDING: Account No. 160652.7720

  
Kirk Evans, Budget Manager

  
George F. Morrow  
Electric Utility Director

PREPARED BY: Demy Bucaneg, Jr., P.E., Manager, Engineering & Operations  
GFM/DB/st

APPROVED:   
Blair King, City Manager