







Lexington North Substation Feeders Voltage Upgrade to 13.8kV

- North Sub Feeder 104
 - Demand Loss Savings of 11kW
 - Energy Loss Savings of 41,074 kWh Annually
 - Results in \$2,300 reduction Wholesale Power costs annually.
 - Reduced maintenance costs once North sub is retired
 - Increased reliability
 - Increased capacity to serve new loads

- North Sub Feeder 108
 - Demand Loss Savings of 26kW
 - Energy Loss Savings of 97,084 kWh Annually
 - Results in \$5,408 reduction Wholesale Power costs annually.
 - Reduced maintenance costs once North sub is retired
 - Increased reliability
 - Increased capacity to serve new loads

- North Sub Feeder 102
 - Demand Loss Savings of 5kW
 - Energy Loss Savings of 18,670 kWh Annually
 - Results in \$1,040 reduction Wholesale Power costs annually.
 - Reduced maintenance costs once North sub is retired
 - Increased reliability
 - Increased capacity to serve new loads

- North Sub Feeder 106
 - Demand Loss Savings of 11kW
 - Energy Loss Savings of 41,074 kWh Annually
 - Results in \$2,300 reduction Wholesale Power costs annually.
 - Reduced maintenance costs once North sub is retired
 - Increased reliability
 - Increased capacity to serve new loads

PROJECT APPROVAL DOCUMENT for APPROVAL OF ACTIVITIES OR PROJECTS EXCEEDING \$20,000.00 $\,$

Order # 4657631 LEXINGTON-NORTH ACB CONVERSION TO 13.8 KV BREAKER 104

I.	Scope of Project: THIS ORDER IS FOR THE VOLTAGE CONVERSION OF THE CITY OF LEXINGTON NORTH SUBSTATION ACB 104 FEEDER FROM 4/16 KV TO 13/8 KV OPERATION. THIS SUPERIOR ORDER HAS MUTIPLE SUB ORDERS ARE IDENTIFIED WITH ESTIMATED COSTS AS FOLLOWS:	
II.	SUB ORDER 4665734—PHASE 1 SUB ORDER 4665737—PHASE 2 SUB ORDER 4665864—PHASE 3 SUB ORDER 4665865—PHASE 4 SUB ORDER 4657632—ENGINEERING I	\$41,634.35 \$60,399.19 \$71,518.88 \$52,596.93 DESIGN \$19,211.70
III.	Project Justification: THIS WORK HAS BEEN RECOMMENDED BY THE CITY OF LEXINGTON FOR IT'S LONG RANGE DISTRIBUTION PLAN	
III.	Project Schedule: FEBRUARY 2009	
IV.	Estimated Project Costs: \$245,361.05	
V.	Approval/Disapproval	
	The undersigned representative(s) of the City of Lexington and Nebraska Public Power District APPROVE/DISAPPROVE (circle one) the above-described project expenditures.	
	City of Lexington	Nebraska Public Power District
	(Name)	(Name)
	(Title)	(Title)
	Date	Datas

VI. Upon the approval of the above described project by both parties, this project will be performed in accordance with the terms and provisions of the Electric System Operation Agreement executed by Nebraska Public Power District and City of Lexington.

*Send original to Lori Killion, York Operations Center