

CITY OF VINELAND
DEPARTMENTAL REQUEST FOR PUBLIC BIDDING



1. NATURE OF REQUEST: Butler 69kV Breaker, relaying, and Wave Trap Retrofit Specification

2. ENGINEER'S ESTIMATE: \$ 1,052,000.00
(If Engineer's Estimate has been prepared by anyone other than the person signing this form, please attach a copy of said Engineer's Estimate.)

3. AMOUNT BUDGETED FOR THIS REQUESTED ITEM: \$ 1,400,000.00

4. BUDGETED ITEM: YES NO
(If no, is it an ordinance authorized material, service or supply?)

YES NO ORDINANCE NO.: 2009-60



(B) Please identify the page number and line item appropriation sub-account:

Budget Page No. _____ Account No. 022-0-00-00-0000-2-7511400

5. Check here if:

Federal Funds State Funds
UEZ Funds Davis Bacon Requirements

(If any of the above are checked, the project must be monitored by the department for compliance with prevailing wage rate policy and procedures.)

6. Date to be Advertised: 1/14/14

7. Date to be Received: 2/25/14

8. Date to be Awarded: 3/25/14

9. Special Conditions or Instructions: Appendix A & D, as well as Section 15.C must be returned with bid, else it shall be rejected.

10. The following must be attached:

- Summary of Project
- Specifications
- Plans (if applicable)
- Bidders Mailing List (with emails of the vendor)

11. Specifications Prepared by: T. Dunmore, Senior Engineer, X4291
(NAME, TITLE AND EXTENSION NUMBER)

12. Approved by: [Signature]
SIGNATURE (DIRECTOR, DEPARTMENT HEAD, SUPERVISOR) 12/20/13

Send copies to:
Purchasing Department
Business Administration

Vineland Municipal Electric Utility
Butler 69kV Breaker, relaying, and Wave Trap Retrofit Specification Executive Summary

Scope of Work Summary

This Turnkey specification is for all of the engineering, supply, and retrofit installation of (3) fully assembled and filled 69kV SF₆ gas circuit breakers, a wave trap, line tuner, CCVT, and retrofit installation of digital relaying at Butler Substation. This specification also includes a relay change-out list, relay start-up and field testing, as well as a recommended spare parts list. Final acceptance testing will be performed by Owner or Owners delegate.

Butler substation was built a-top a capped land fill. All foundations are built on pilings. Due to the nature of a land fill, the ground level is slowly lowering. All conduit should be considered unusable, and will need to be replaced in full as required by cable fill.

Related Projects affected

This project will directly affect the operation of Clayville Unit #1. Per PJM Interconnection agreement, VMEU is required to make upgrades to its system to support contingencies related to system operations with Clayville Unit #1 online. In addition to VMEU Clayville Unit #1, Atlantic City Electric projects at South Millville Substation, as well as Sherman Substation and their new Lincoln 69kV Substation will be coordinated with this project for the support of Clayville Unit #1.

Engineer's Estimate

See Attached.

Butler 69kV Upgrade Engineering Estimate					
SUBSTATION	EQUIP	QTY	Material Cost	Labor Cost	Total
Butler	OCB K	1	\$ 15,000.00	\$ 150,000.00	\$ 165,000.00
Butler	OCB P	1	\$ 15,000.00	\$ 150,000.00	\$ 165,000.00
Butler	OCB L	1	\$ 15,000.00	\$ 100,000.00	\$ 115,000.00
Butler	OCB P Panel	1	\$ 55,000.00	\$ 100,000.00	\$ 155,000.00
Butler	OCB K Panel	1	\$ 55,000.00	\$ 100,000.00	\$ 155,000.00
Butler	69kv Panel	1	\$ 42,000.00	\$ 100,000.00	\$ 142,000.00
Butler	OCB L Panel	1	\$ 55,000.00	\$ 100,000.00	\$ 155,000.00

Total \$ 1,052,000.00