



March 1, 2024

Karl Hagerman, Utility Director
 907-772-5421
 khagerman@petersburgak.gov

**Subject: Engineering Proposal for Scow Bay
 Generator #2 – Design/Build Bid Package**

Electric Power Systems (EPS) understands that Petersburg Municipal Power and Light (PMPL) intends to construct a new building and ancillary equipment for a 3.5 MW EMD generator that has been purchased by the City. This proposal is based on *Request for Proposal Scow Bay Generator #2 – Design/Build Bid Package*.

Our time and material (T&M) cost estimate is as follows:

No.	Item	Hours	Labor	Travel and Subcontracts	Cost
1	A site scoping visit	70	\$18,480	\$3,588	\$22,068
2	Geotechnical investigation	8	\$1,480	\$20,046	\$21,526
3	Site Survey	8	\$1,480	\$16,883	\$18,363
4	30% Design	266	\$49,904	\$25,417	\$75,321
5	Transformer & Switchgear Specs (OFE)	32	\$7,104	\$0	\$7,104
6	EMD Gen Logistics	60	\$11,100	\$0	\$11,100
7	Bid phase services	40	\$8,848	\$0	\$8,848
8	Design/Build support services*	0	\$0	\$0	\$0
9	Construction phase support services*	0	\$0	\$0	\$0
10	Commissioning support*	0	\$0	\$0	\$0
11	Record Drawings Certification*	0	\$0	\$0	\$0
	Total:	484	\$98,396	\$65,934	\$164,330

* Tasks 8, 9, 10 and 11 assumed to be performed on a T&M basis per our attached rate sheet.

Deliverables

EPS will provide the following deliverables:

- Site visit report
 - As-built survey and ACAD basemap of site for future design development.
 - Geotechnical report



- Findings and recommendations
- Conceptual drawings (30%)
 - Site plan
 - One-diagrams
 - Major equipment layouts
 - Conduit plan
- Building specifications and guide drawings
- Transformer and Switchgear specifications for owner furnished equipment
- Coordination of EMD shipping from Waco, TX
- Bid phase support services

Clarifications

- It is assumed that the utility will provide an excavator and operator for the Geotechnical investigation.
- It is assumed that the utility will provide utility locates prior to commencement of the Geotechnical investigation and site survey.
- It is assumed that PMPL will provide a vehicle for use during the site activities.
- EPS will subcontract Civil and Geotechnical Engineering services to Recon, LLC based out of Palmer, Alaska.

Please contact me at (907) 321-7474 or dbuss@epsinc.com if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "David Buss".

David Buss, PE
Sr. Electrical Engineer