

**Work Plan No. A.12-01 - Acoustical Analysis for the MET G Generator Replacement Project**

**Scope:**

CONSULTANT will provide the following noise assessment services:

**2.1 CURRENT DESIGN ASSESSMENT**

- A. Review the current noise assessment and update background noise levels near the generator site.
- B. Review the current generator design and predict noise levels at the nearest sensitive receptors.
- C. Identify and confirm applicable noise standards and criteria.
- D. Assess whether the current generator design complies with the applicable noise requirements.
- E. If additional mitigation measures are required, provide general guidance and recommendations. A detailed design of additional measures is not included in this Work Plan.
- F. Generator noise and vibration can be transmitted via the ground and potentially into the Lake Merritt Station structure and BART operations control structure. Evaluation of potential structure borne vibration and noise caused by the generator that may affect the nearby BART operations and control center is not included in this Work Plan.

**2.2 MANUFACTURER ENCLOSURE ASSESSMENT**

- A. Evaluate whether the manufacturer-provided enclosure alone is sufficient to meet applicable noise requirements and determine whether additional mitigation measures are required.
- B. If additional mitigation measures are required beyond the enclosure, provide general guidance and recommendations. Detailed design of additional measures is not included in this Work Plan.

**2.3 DRAFT NOISE ASSESSMENT**

- A. Prepare a draft noise assessment incorporating the findings from Sections 2.1 and 2.2 above

to issue to BART for review and comments.

- B. Conduct a turn-page review meeting to introduce BART to the findings and receive preliminary comments.

## **2.4 RESPOND TO BART COMMENTS**

- A. Review BART's written comments and if discussion or clarification is needed, conduct a comment response meeting to discuss preliminary responses to BART's comments.
- B. Provide written responses to BART comments.
- C. Address and resolve outstanding comments in coordination with BART prior final noise assessment.

## **2.5 FINAL NOISE ASSESSMENT**

- A. Submit the final noise assessment incorporating resolved comments.

## **3.0 DELIVERABLES**

CONSULTANT will issue the following deliverables:

1. Draft Noise Assessment
2. Final Noise Assessment.

## **4.0 SCHEDULE**

The Work Plan's anticipated duration is as follows:

### **A. DRAFT NOISE ASSESSMENT**

- a. Available background design documents, including drawings, specifications, and environmental document, will be provided to CONSULTANT prior Notice to Proceed (NTP).
- b. Kick-Off meeting and/or Site Visit will serve as the NTP.
- c. The draft noise assessment will be issued within 30 days of NTP.

### **B. REVIEW/COMMENT PERIOD**

- a. BART will provide written comments within 35 days of NTP
- b. CONSULTANT will submit responses to comments within 40 days of NTP.

### **C. FINAL NOISE ASSESSMENT**

- a. The final noise assessment will be issued within 55 days of NTP.

## **5.0 KEY PERSONNEL BY LABOR CLASSIFICATION**

- Project Manager (Ardavan Motlagh)

- Principal (Deborah Jue)

## 6.0 WORK PLAN BUDGET

The estimated cost to perform the scope of work is provided in Exhibit A, Budget Plan.

### Prime: PGH Wong Engineering, Inc.

Subconsultant	Amount
Wilson Ihrig (RWDI USA LLC)	\$ 15,034

**Total Work Plan Value: \$ 19,417**