Memorandum

April 11, 2018

To: All Interested Parties

From: Daryle Tilroe, P.Eng.,
General Supervisor
Engineering Services, Facility Engineering

Subject: SUPPLEMENT [COEFCMvol2-2017v3.0-SUP2018.01]
Generators - Fuel Fill Port and Control Panel & Annunciator

Existing Fuel Fill Port and Control Panel Section within the Generators section of the Consultant Manual, Vol 2 (2017) to be replaced with the following:

Fuel Fill Port and Control Panel:

1. Fill level indicator panel adjacent to exterior fuel fill port. Panel to contain six (6) indicator lights and lockable cover with clear plexiglass window:
   a. “Fuel Leak” (Red) (Local Audible Alarm at fill panel)
   b. “25%” (Yellow)
   c. “50%” (Green)
   d. “75%” (Green)
   e. “Tank Full - STOP FILL” (Red) (90%)
   f. “Overfill Alarm” (Red) (Local Audible Alarm at fill panel)

2. One (1) button:
   a. “Indicator Test” (momentarily activates all Indicator Lights (a thru f) and Local Audible Alarms)

3. Fill levels to be manufacturer set to allow for full -40C tank expanding to +40C. Automatic overfill prevention device to be used to comply with code.

4. “Fuel Leak” indicators to be tied to high level sensor within curved generator room (or generator containment perimeter).

5. Fuel Port to have lockable cover.

6. Plan for fueling accessibility and spill control during fueling.

7. CSA 282 compliant as required.

8. CSA Certification or approved equal.
Existing Annunciator Section within the Generators section of the Consultant Manual, Vol 2 (2017) to be replaced with the following:

Annunciator:

1. Panel to be located at Service Desk or Operator’s station or as directed by City.

2. Panel to contain four (4) indicator lights:
   a. “Generator Run” (Green) (Audible Alarm)
   b. “Generator Trouble” (Red) (Audible Alarm)
   c. “Generator Fail” (Red) (Audible Alarm)
   d. “Low Fuel” (Red) (Audible Alarm)

3. Two (2) buttons:
   a. “Silence Horn” (acknowledges and silences any alarm)
   b. “Indicator Test” (momentary button activating all indicators and audible alarms)

4. CSA 282 compliant as required.
5. CSA Certification or approved equal.

/KV