THE PORT AUTHORITY OF NY & NJ
PROCUREMENT DEPARTMENT
4 WORLD TRADE CENTER
150 GREENWICH STREET, 21ST FL.
NEW YORK, NY 10007

1/31/2019

ADDENDUM # 6

To prospective Proposers on RFP # 55158 - Solar Photovoltaic (PV) Power Generating System on the Roof of the MacMillan Bloedel Building:

- RFP was due February 6, 2019 at 2:00 PM
- RFP now due February 14, 2019 at 2:00 PM

I. CHANGES/MODIFICATIONS

A. On page 47 of the RFP, "EXHIBIT 2D – INTERCONNECTION DETAILS", replace the final paragraph with the following:

Should the Proposer propose a system that will generate significantly more kWh than the building consumes the Port Authority has other qualifying PSE&G accounts nearby to make use of for PSE&G's Aggregated Net Metering program.

B. Insert the attached five (5) pages after page 50 of the RFP, which is titled "Exhibit 2E – Historic KW and KWH Data." The new pages are enlarged versions of the current drawings included on pages 48 and 49 and the table on page 50 of the RFP.

II. BIDDER'S QUESTIONS AND ANSWERS

The following information is available in response to questions submitted by prospective Bidders. The responses should not be deemed to answer all questions, which have been submitted by Proposers to the Port Authority. It addresses only those questions, which the Port Authority has deemed to require additional information and/or clarification. The fact that information has not been supplied with respect to any questions asked by Bidders does not mean or imply, nor should it be deemed to mean or imply, any meaning, construction, or implication with respect to the terms.

The Port Authority makes no representations, warranties or guarantees that the information contained herein is accurate, complete or timely or that such information accurately represents the conditions that would be encountered during the performance of the Contract. The furnishing of such information by the Port Authority shall not

create or be deemed to create any obligation or liability upon it for any reason whatsoever and each Bidder, by submitting its Proposal, expressly agrees that it has not relied upon the foregoing information, and that it shall not hold the Port Authority liable or responsible therefor in any manner whatsoever. Accordingly, nothing contained herein and no representation, statement or promise, of the Port Authority, its Commissioners, officers, agents, representatives, or employees, oral or in writing, shall impair or limit the effect of the warranties of the Bidder required by this Bid or Contract and the Bidder agrees that it shall not hold the Port Authority liable or responsible therefor in any manner whatsoever.

Q1. Recent New Jersey ("NJ") legislation requires the NJ SREC program to be closed when certain solar kW targets are met. These target levels are expected to be met sometime between Q1 and Q3, 2020. Given responses to the RFP are due in January 2019, by what date(s) does the Port Authority intend to decide upon the winning vendor and execute a Power Purchase Agreement so that the project may apply to the SREC program before the program is closed to new applications?

A1. The Port Authority ("PA") is aware of the uncertainty surrounding the availability of NJ's current SREC program or any replacement program. The Port Authority requests proposals that contain firm pricing. The RFP does allow for a Proposer to submit more than the required two proposals. If a Proposer is unsure whether SREC revenue will be available to their project, they could submit proposals with pricing that assumes SRECs of a certain value are available and other proposals with pricing that assumes SREC income will be a different value. Every proposal should clearly describe all critical assumptions including those regarding SREC availability.

Q2. A project is typically awarded with initial approval to participate in the NJ SREC program within a few weeks following the date of submission of the application. Thereafter, under New Jersey rules for distributed generation, the project has 12 months to be constructed and attain commercial operation. Failure to reach commercial operation within 12 months can result in an ineligibility for the project to generate SRECs. What operational arrangements does the Port Authority intend to implement so that the awarded proposer and their subcontractors can have comfort that there will be no delays imposed upon them by the Port Authority which would jeopardize project completion within 12 months?

A2. The awarded proposal will have to be implemented in accordance with the Port Authority's Tenant Construction and Alteration Process (TCAP) which includes design review, permitting and inspections at multiple construction stages. It is very similar to the permitting and inspection processes most local municipalities require of contractors. The time this will require depends not on the PA as much as it depends on the Contractors and their subcontractors. Timely and complete responses to the requirements of TCAP will likely minimize PA delays.

Q3. Under New Jersey rules for distributed generation regarding interconnection to PSE&G, a project cannot produce more energy (kWh) in an annualized period than the subject building consumed in the previous 12-month period. The most recent data provided in the RFP from 7/2017 to 6/2018 indicated that the building consumed 700,000 kWh in that period. Based on standard solar energy production metrics in New Jersey, the solar system cannot be sized greater than 580 kW in order to not breach this energy production limit.

However, the RFP speaks to systems sizes larger than 580 kWdc. Additionally, during the site visit it was reported that your representatives said that the Port Authority believes that 700 kWdc is an appropriate system size.

Why does the Port Authority believe that solar systems of a size that produce more than 700,000 kWh annually would be appropriate?

A3. The Port Authority estimates that the roof area designated on page 45 of the RFP (the area not requiring roof-reinforcement) could accommodate up to a 700 kWdc system. The Port Authority recognizes such a larger system would generate more kWh than the subject building could consume but the Port Authority qualifies for a PSE&G program that would allow the Port Authority to credit energy to other nearby Port Authority buildings. Therefore, it is the Port Authority's intention to give Proposers' the option to offer a larger system.

Note that in Section I. A above has modified page 47 of the RFP, "INTERCONNECTION DETAILS, PAGE 1 OF 3" by replacing the last paragraph with the following:

> "Should the Proposer propose a system that will generate significantly more kWh than the building consumes the Port Authority has other qualifying PSE&G accounts nearby to make use of for PSE&G's Aggregated Net Metering program."

It should be noted that any Proposer who proposes system sizes larger than 580 kWdc are reminded to take into account in their pricing and design process that such systems may require reinforcing parts of the building's roof and/or upgrading the building's interconnection to PSE&G.

Q4. Where is the physical location of the newly installed Main Service Switch?

A4. It is located on the west wall of the electrical room with the new generator entrance equipment. See the cloud-outlined area located below the box marked "New Main Service Disconnect Switch Should Be Installed For Solar In Parallel To The Existing" on Exhibit 2D – Page 3 of 3 of the RFP.

Q5. On page 41, it looks like there is a wire on roof location 5. Can this be moved? If not, what are the clearances needed?

A5. There is no wire at the described location. See Addendum #3 to the RFP, page 4 of 7 "Southwest corner looking Northeast" for a more detailed photo of that area of the roof.

Q6. Can you please clarify the new Automatic Transfer Switch PV operation mode, on pages 47 through 49?

A6. The operation of the switch will be determined by PSE&G and PA/PATH Engineering requirements.

Q7. Is there a minimum setback requirement?

A7. Page 45 of the RFP, “EXHIBIT 2B – PAGE 2 OF 2”, delineates the setbacks that must be maintained.

Q8. Are there higher resolution versions available of the plans and table on pages 48, 49 and 50? The scans make the text illegible.

A8. See above Section I. B.

This communication should be initialed by you and annexed to your submission.

In case any Proposer fails to conform to these instructions, its Proposal will nevertheless be construed as though this communication had been so physically annexed and initialed.

THE PORT AUTHORITY OF NY & NJ
Selene Ortega, Manager
Commodities and Service Division

PROPOSER'S FIRM NAME: _____

INITIALED: _____

DATE: _____

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO Richard Grehl, WHO CAN BE REACHED AT (212) 435-4633 or at rgrehl@panynj.gov.

EXHIBIT 2D – ENLARGED PAGE 2 OF 3 (Part 1 of 2)

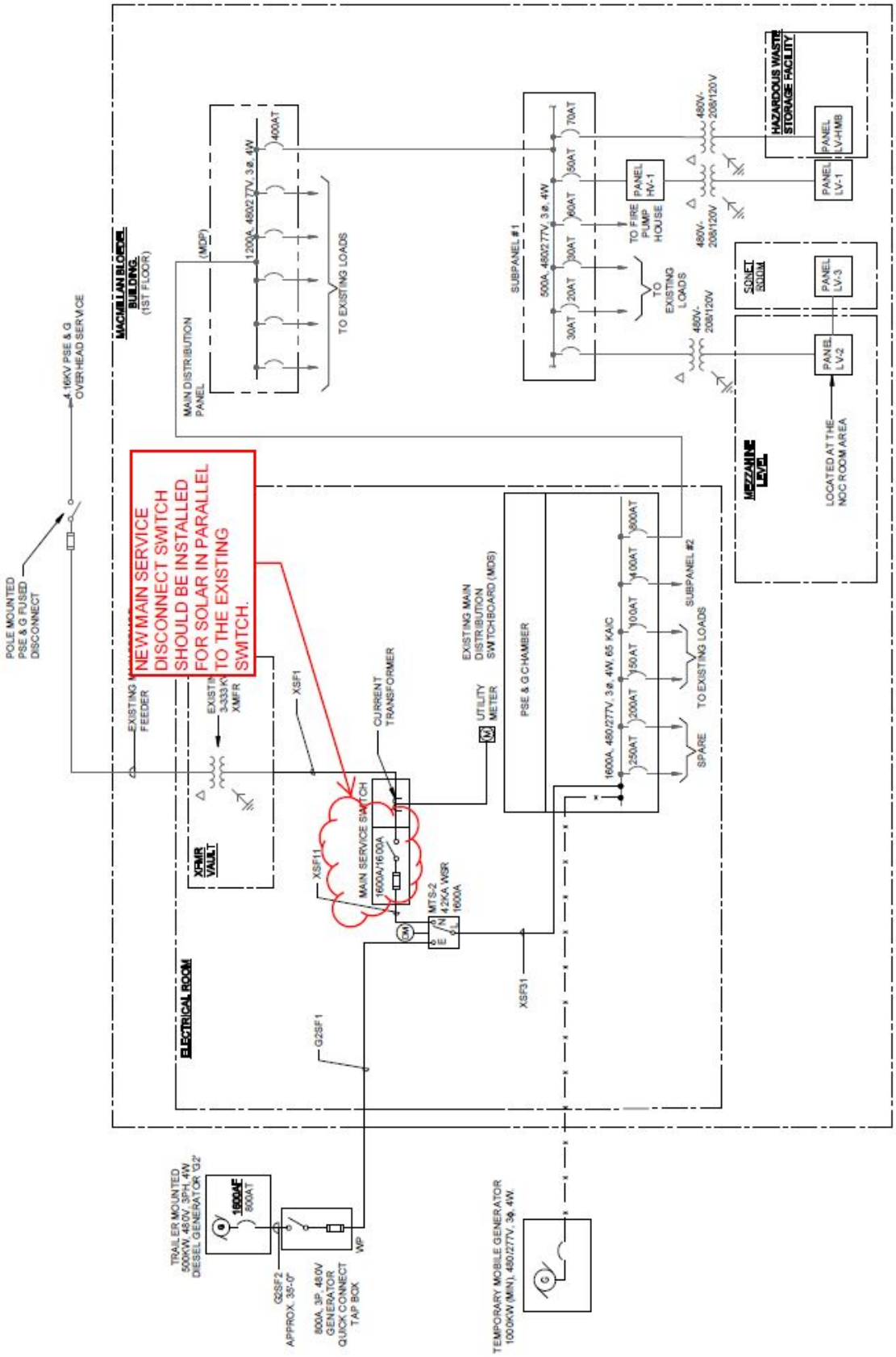
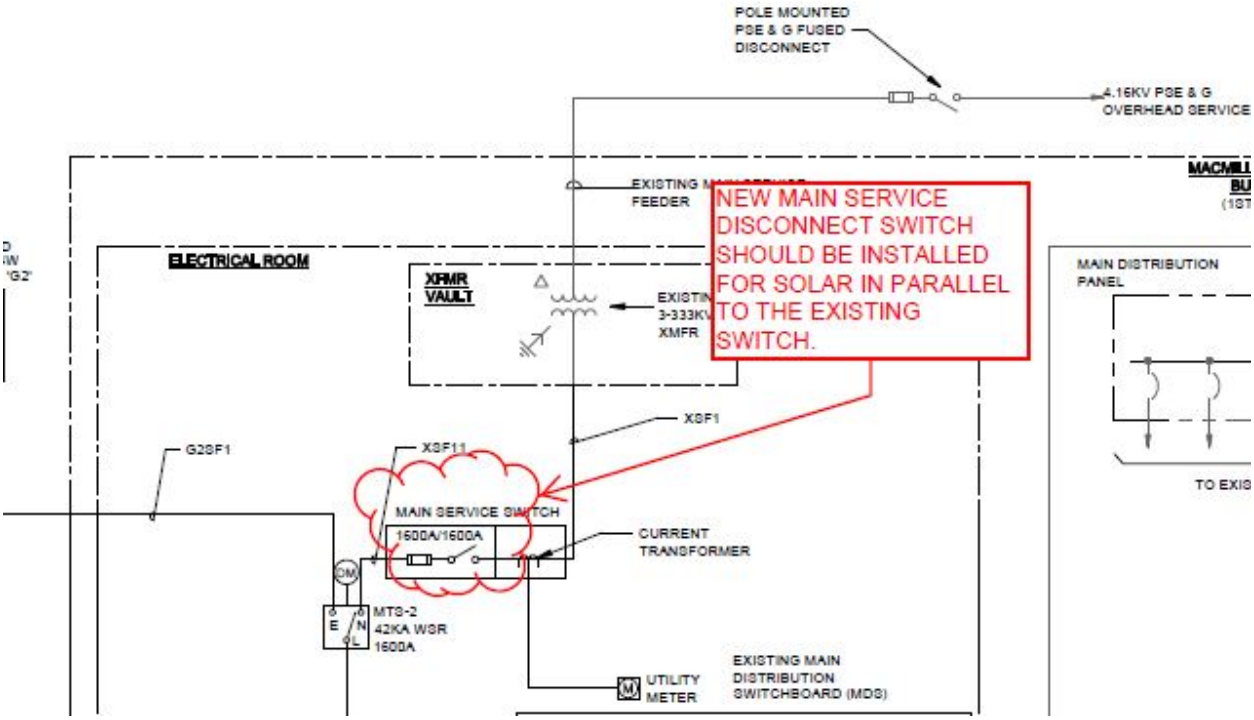


EXHIBIT 2D – ENLARGED PAGE 2 OF 3 (Part 2 of 2)



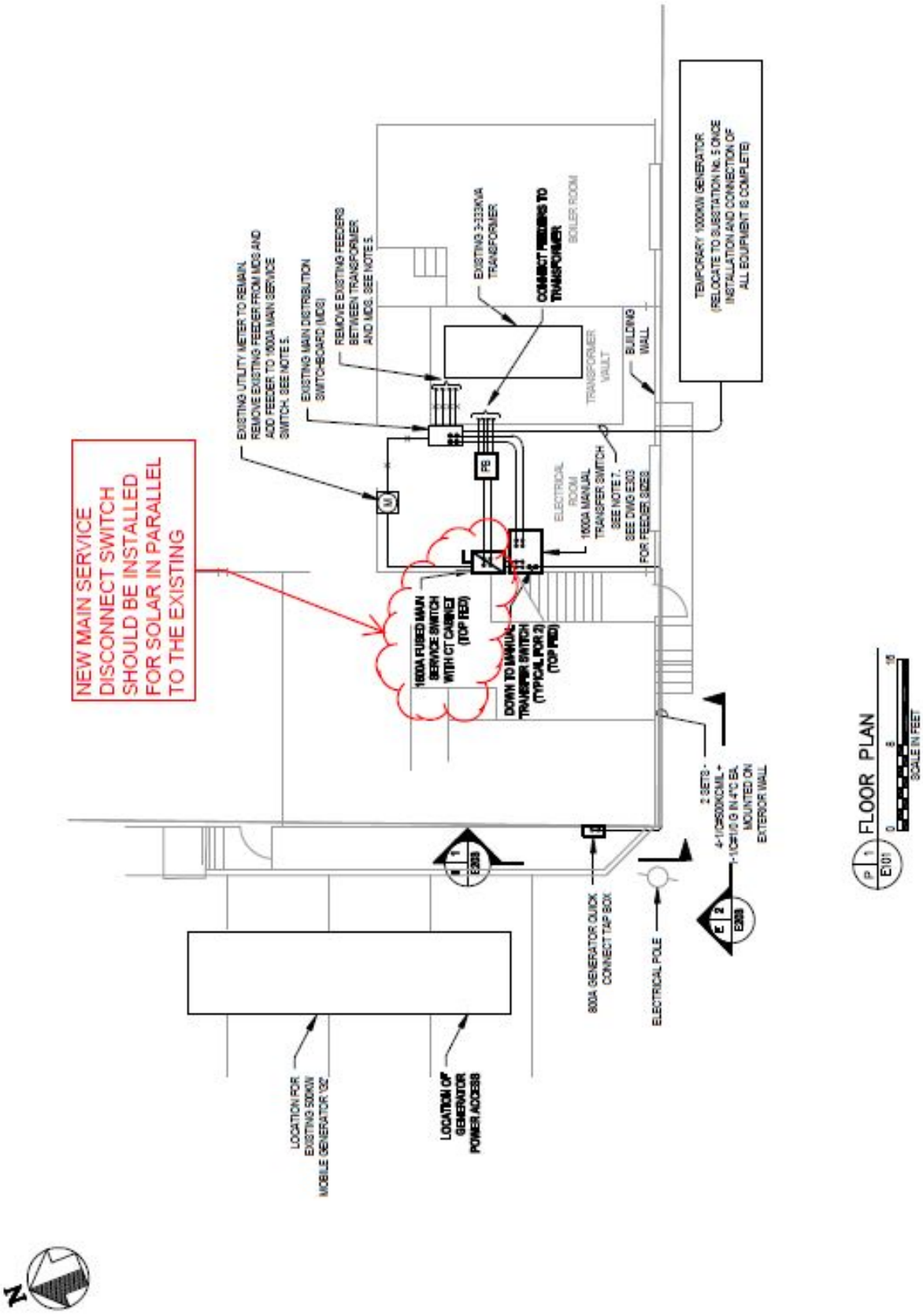
NOTES:

1. FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS, REFER TO DRAWING E001.
2. FOR CABLE AND CONDUIT SCHEDULE, REFER TO DRAWING E002.

PHASING REQUIREMENTS FOR POWER STARTUP:

1. PRIOR TO SHUTDOWN OF TEMPORARY GENERATOR, INSTALL THE 1600 SERVICE SWITCH, MANUAL TRANSFER SWITCH, GENERATOR QUICK CONNECT, AND FIRE PUMP FEEDS.
2. CONNECT 1600A MAIN SERVICE SWITCH TO TRANSFORMER.
3. THE 1600A MAIN SERVICE SWITCH , MANUAL TRANSFER SWITCH, GENERATOR QUICK CONNECT AND ALL FEEDER CABLES SHALL BE INSTALLED, TESTED, AND READY FOR CONNECTION. REFER TO PLAN 'P1' ON DRAWING E202 FOR LOCATION OF EQUIPMENT.
4. TRANSFER THE LOADS TO THE MANUAL TRANSFER SWITCH. THE TEMPORARY FEEDER SHALL BE DISCONNECTED FROM THE MAIN LUGS OF THE MDS AND REPLACED WITH THE PERMANENT FEEDER CABLES FROM THE MANUAL TRANSFER SWITCH.
6. CLOSE PSE&G POLE MOUNTED SWITCH. SEE GENERAL NOTE 6 ON DRAWING G002. COORDINATE ALL WORK WITH PSE & G.
7. COIL UP TEMPORARY FEEDER CABLES AND PLACE IN TEMPORARY GENERATOR ENCLOSURE.

EXHIBIT 2D – ENLARGED PAGE 3 OF 3 (Part 1 of 2)



NOTES:

1. FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS, REFER TO DRAWING E001.
2. FOR INTERIM, REMOVALS, AND INSTALLATION ONE LINE DIAGRAMS, REFER TO DRAWINGS E303, E304, AND E305 RESPECTIVELY.
3. PRIOR TO ANY WORK, SUBMIT SHOP DRAWINGS FOR APPROVALS. SHOP DRAWINGS SHALL SHOW PLAN AND ELEVATION DETAILS OF CONDUIT PENETRATIONS AND CABLE TERMINATIONS.
4. EXERCISE EXTREME CAUTION WHEN WORKING AROUND EXISTING 4.16KV MAIN SERVICE FEEDER. PROVIDE PROTECTION FOR HIGH VOLTAGE CONDUIT.
5. WORK ON THIS BUILDING WILL REQUIRE SHUTDOWN OF THE 4.16KV SYSTEM. THE PRESENCE OF A PATH HIGH TENSION OPERATOR WILL BE REQUIRED. COORDINATE SHUTDOWNS AND RECONNECTIONS OF TRANSFORMER AND METER WITH PSE&G AND AUTHORITY. SEE GENERAL NOTE 6 ON DRAWING G002.
6. CONNECT TO MDS AS SHOWN ON ONE LINE DIAGRAM.
7. RUN TEMPORARY GENERATOR FEEDERS THROUGH WINDOW. PROVIDE CABLE SUPPORTS. ONCE TEMPORARY GENERATOR IS NO LONGER NEEDED, REPLACE 48" x 18" WINDOW PANE IN KIND.

EXHIBIT 2E – ENLARGED HISTORIC kW AND kWh DATA

Meter Read Date	Total Usage (kWh)	Demand (kW)
2/11/2016	68000	128
3/11/2016	60400	116
4/12/2016	52000	104
5/11/2016	36400	84
6/10/2016	31200	60
7/12/2016	38400	72
8/11/2016	38400	76
9/9/2016	37600	68
10/11/2016	35200	72
11/8/2016	37200	80
12/9/2016	58000	104
1/11/2017	79600	124
2/10/2017	46800	116
3/13/2017	83200	116
4/11/2017	60800	116
5/11/2017	40000	76
6/12/2017	39600	72
7/12/2017	39600	72
8/10/2017	40800	76
9/11/2017	42800	68
10/10/2017	42800	76
11/8/2017	45200	104
12/11/2017	72800	108
01/11/2018	84800	136
02/09/2018	74000	128
03/13/2018	78400	128
04/12/2018	70800	120
05/11/2018	56000	124
06/12/2018	52000	92