

MONROE TOWNSHIP - MONROE MUA

STORAGE TANK

1935 S BLACK HORSE PIKE,
WILLIAMSTOWN, NJ 08094

85.32 KW DC STC / 83.30 KW AC
GRID-INTERACTIVE PHOTOVOLTAIC SYSTEM

REGIONAL MAP



AERIAL MAP



PROJECT INFORMATION	
NAME	MONROE TOWNSHIP - MONROE MUA STORAGE TANK
DESCRIPTION	GROUND MOUNT SOLAR ARRAY
ADDRESS	1935 S BLACK HORSE PIKE
CITY	WILLIAMSTOWN
STATE	NJ
ZIP	08094
SIMPLE ADDRESS	1935 S BLACK HORSE PIKE, WILLIAMSTOWN, NJ, 08094
GEO LOCATION	39.6577, -74.9636
UTILITY	ATLANTIC CITY ELECTRIC (ACE)
PERMITTING AUTHORITY	TOWNSHIP OF MONROE
BUILDING CODE	INTERNATIONAL BUILDING CODE 2018
BASE ELECTRIC CODE	2017 NATIONAL ELECTRIC CODE
OCCUPANCY CLASSIFICATION	CATEGORY I
WIND SPEED (MPH)	107
WIND EXPOSURE CATEGORY	B
GROUND SNOW LOAD (PSF)	20
SEISMIC	UTILIZE ASCE 7-16, CLASS B
2% MAX HOT TEMP (°C)	33
MIN COLD TEMP (°C)	-17

CONTACT INFORMATION		
DSD DEVELOPER	DANIEL SMITH	518.646.1379
DSD PROJECT MANAGER	MATT DINISCO	617.477.7397
DSD ENGINEER	JESSE MATTSON	518.530.9640
CUSTOMER	MONROE TOWNSHIP	
ELECTRICAL ENGINEER	MO QARA	518.419.9810

MODULE INFORMATION	
MODULES	MODULE #1
MAKE	HANWHA
MODEL	Q.PEAK DUO L-G5.3 395
QUANTITY	216
POWER RATING (W)	395
Vmp	40.71
Imp	9.70
Voc	48.74
Isc	10.19
TEMP. COEFF.	-0.27
SUB DC RATING (KW)	85.32
TOT DC RATING (KW)	85.32

INVERTER INFORMATION		
INVERTERS	INVERTER #1	INVERTER #2
MAKE	SMA	SMA
MODEL	SUNNY TRIPOWER CORE1 50-US	SUNNY TRIPOWER CORE1 33-US
QUANTITY	1	1
POWER RATING (KW)	50.00	33.30
MAX INPUT V	1000	1000
OUTPUT V	480.0	480.0
OUTPUT A	64.00	40.00
SUB AC RATING (KW)	50.00	33.30
TOT AC RATING (KW)	83.30	

RACKING INFORMATION	
RACK	RACK #1
MAKE	TBD
MODEL	TBD
TILT	20°
AZIMUTH	180.0°

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
G-100	COVER SHEET
C-100	ELECTRICAL SITE PLAN

SEAL & SIGNATURE

AC KW: 83.30

DC KW: 85.32

PROJECT NO.: ---

NOT FOR CONSTRUCTION

PROJECT NAME:
MONROE TOWNSHIP
- MONROE MUA
STORAGE TANK
PROJECT ADDRESS:
1935 S BLACK HORSE PIKE,
WILLIAMSTOWN,
NJ 08094

NO.	DATE	REVISION DESCRIPTION	CHECK BY:	
			HUC	HUC
1.0	04/16/20	RFP RESPONSE	JBM	JBM
2.0	05/19/20	RFP - REVISED PROJECT AREA	JBM	JBM

SCALE: SHOWN

SHEET TITLE:

COVER SHEET

SHEET NO.:

G-100

TOTAL NUMBER OF SHEETS:

2



ABBREVIATION

(E)	EXISTING
(N)	NEW
ACSW	AC DISCONNECT
INV	INVERTER
PB	PANELBOARD
PV	SOLAR PV ARRAY
POCC	POINT OF COMMON COUPLING
POI	POINT OF INTERCONNECTION
SWBD	SWITCHBOARD
XFMR	TRANSFORMER
FT	FIXED TILT

LEGEND

	CONDUIT
	FENCE LINE
	SOLAR PV MODULE
	PARCEL BOUNDARY
	TRENCH LOW VOLTAGE
	TRENCH MEDIUM VOLTAGE

SCALE

N

0 30' 60'

1" = 30'

DISTRIBUTED SOLAR DEVELOPMENT

200 HARBORSIDE DR.
SUITE 200
SCHENECTADY, NY 12305
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DISTRIBUTED SOLAR DEVELOPMENT

SEAL & SIGNATURE

AC KW	83.30
DC KW	85.32
CEC KW	---
PROJECT NO.	---

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- MONROE MUA
STORAGE TANK**

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WILLIAMSTOWN,
NJ 08094**

NO.	DATE	REVISION DESCRIPTION	DRAWN BY:	CHECK BY:
1.0	04/16/20	RFP RESPONSE	JBM	HJC
2.0	05/09/20	RFP - REVISED PROJECT AREA	JBM	HJC

SCALE: SHOWN

SHEET TITLE:
ELECTRICAL SITE PLAN

SHEET NO.:
C-100

TOTAL NUMBER OF SHEETS:
2