KINGSTON SOLAR LP
Sol-Luce Kingston Solar PV Energy Project
NOISE STUDY REPORT

Prepared by Dillon Consulting

DECEMBER 13, 2013

Table of Contents

List of Figures

List of Tables

Appendices

1. Introduction

Kingston Solar LP is proposing to develop a 100-megawatt (MWac) ground-mount solar photovoltaic (PV) project to be known as the Sol-Luce Kingston Solar PV Energy Project. The proposed project is generally bounded by Highway 38 to the east, Mud Lake Road/County Road 19 to the west, Quabbin Road to the north, and Highway 401 to the south. The proposed project falls within two municipalities; the City of Kingston to the east and Loyalist Township to the west. A Renewable Energy Approval (REA) application was submitted for this project on September 18, 2012 and received the 'deemed complete' status by the Ministry of Environment (MOE) on February 12, 2013. The project was undergoing technical review by the Ministry of the Environment (MOE) when the clock was stopped to accommodate a Major Design Change and technical changes to the project.

Through correspondence with the MOE on September 24, 2013, the proposed changes constitute a Major Design Change to the project. This Noise Study Report (NSR) is being submitted to the Ministry of the Environment as a result of amendments proposed for the project, namely the addition of new lands, and availability of more efficient equipment, resulting in the relocation and decrease in number of Medium Voltage Power Platforms (MVPPs). Due to the proximity of two neighbouring proposed solar facilities (SunE Westbrook Solar Farm and Kingston Gardiner Hwy 2 South), the noise sources for all three proposed facilities were modelled together to address cumulative potential noise impacts. This assessment concludes that all the proposed noise sources at the Sol-Luce Kingston Solar PV Energy Project are compliant with MOE Publication NPC-232 Sound Level Limits for Stationary Sources in Class 3 Areas (Rural).

2. The Proponent

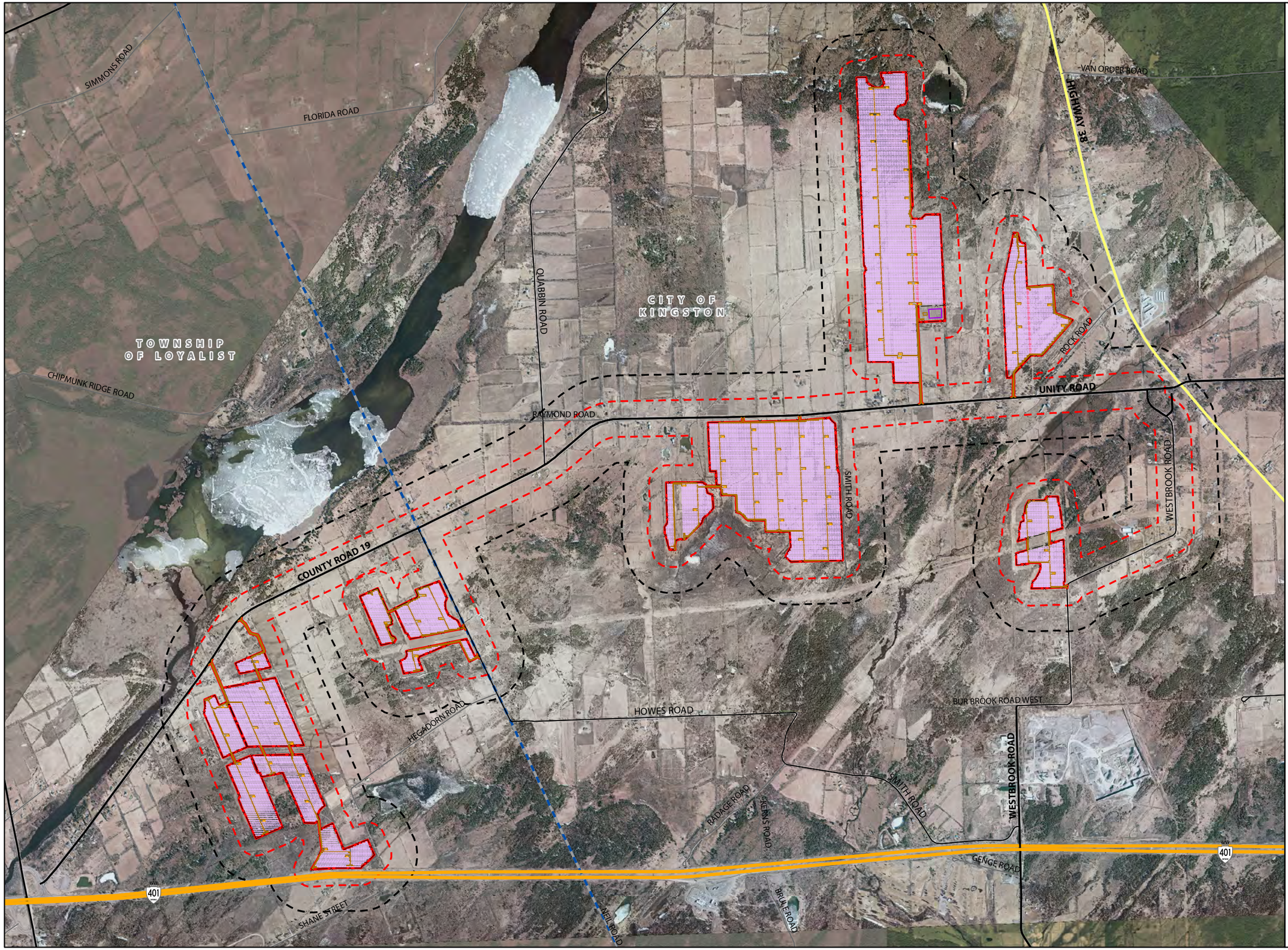
Kingston Solar LP is coordinating and managing the approvals process for the Sol-Luce Kingston Solar PV Energy Project. Contact information for Kingston Solar LP is as follows:

Full Name of Company:	*Kingston Solar LP*
Address:	*55 Standish Court, 9th Floor, Mississauga, ON, L5R 4B2*
Telephone:	*(905) 501-5658*
	1-(855) 359-2342
Prime Contact:	*A. José De Armas*
Project Website:	*www.samsungrenewableenergy.ca/kingston*
Email:	*solucekingston@samsungrenewableenergy.ca*

Figure 1: General Location of Sol-Luce Kingston Solar PV Energy Project in Ontario

Sol-luce Kingston Solar PV Energy Project

Figure 2
Project Location



Legend

- Freeway
- Expressway / Highway
- Arterial Road
- Collector Road
- Local Road
- Project Location
- 120 m Project Location Setback
- 300 m Project Location Setback
- Municipal Boundary

Project Components

- SolarPanels
- Access Roads
- Fence
- Inverters
- Substation

N
W E
S

1:25,000

0 200 400 600 m

DILLON CONSULTING

Created By: GM
Checked By: JLP
Date Created: 9/17/2013
Date Modified: 12/12/2013
File Path:I:\GIS\138504 Kingston Solar REA Amendment\Mapping\Noise Assessment\Figure 2 Project Locaiton.mxd

3. Overview of Noise Study

3.1 Summary of Acoustic Environment & Applicable Noise Limits

The background ambient noise, exclusive of that generated by the Sol-Luce Kingston Solar PV Energy Project, can be characterized as having qualities of a Class 3 (Rural) Area, as described in the Ontario Ministry of the Environment Noise Pollution Control Publication NPC-232 *Sound Level Limits for Stationary Sources in Class 3 Areas (Rural).* The primary contributor to the background sound during the daytime and nighttime periods are sounds of nature and occasional vehicle traffic on nearby roadways.

The NPC-232 Class 3 Area exclusion limits of 45 dBA for daytime (07:00 – 19:00), 40 dBA for evening (19:00 to 23:00) and 40 dBA for nighttime (23:00 to 07:00) were selected to represent the performance limits at noise sensitive receptors [note: for the purposes of this report, since the limits for evening and nighttime are the same, the nighttime is defined as 19:00 to 07:00].

3.2 Statement of Compliance

With the implementation of the noise mitigation measures indicated in this report, the proposed Sol-Luce Kingston Solar PV Energy Project will comply with the daytime and nighttime noise criteria as defined in the Ontario Ministry of the Environment Noise Pollution Control Publication NPC-232 *Sound Level Limits for Stationary Sources in Class 3 Areas (Rural)*, for all sources assessed in this study.

4. Facility Description

The Sol-Luce Kingston Solar PV Energy Project will consist of approximately 450,000 solar PV modules. These will be contained in a series of fixed racking systems which will be supported by steel uprights on mounted driven steel piles, steel helical screw piles or cast-in-drilled-hole foundations, depending on the soil conditions within the project location. Solar PV panels (approximately 290 watts each) will be mounted on the racks and the panels and racks will be aligned in rows approximately 5 - 7 metres apart.

MVPPs will be installed to convert DC to AC current and boost the voltage for connection to the grid. The components that emit noise are as follows:

Substation Transformer

One (1) 34.5/240 kV, 110 MVA (max) substation transformer will be installed to step up the current for connection with the grid. The substation transformer will be manufactured by ABB Corporation or equivalent. The transformer specifications, including National Electrical Manufacturer's Association (NEMA) noise rating and dimensions are provided in Appendix A. The octave spectrum for the substation transformer was calculated using IEEE standard, accounting for 0.3m increase in dimensions. The transformer is oversized and can handle up to 110 MVA (ONAF). Noise spectrum calculation is presented in Appendix A. The sound power calculation includes a 5 dB tonal penalty across the octave band.

Inverter Stations

For the Sol-Luce Kingston Solar PV Energy project, there are 78 MVPPs (also referred to as Inverter Stations in this report), 70 of which consist of two (2) 800 kW inverters and one (1) 1.6 MVA inverter transformer and eight (8) of them consist of one (1) 800 kW inverter and one (1) 0.8 MVA inverter transformer (see Appendix A).

Inverters

A total of 148 inverters (to convert DC to AC current) will be used at the project location. Each inverter will have its own cabinet-type enclosure and will be mounted on a concrete platform inside a larger enclosure. The inverters will be SMA's Sunny Central model SC800CP-US or equivalent, rated for up to 800 kVA of continuous power output. The manufacturer's noise data for the inverter, provided in 1/3 octave band, was used for this assessment (see Appendix A).

Inverter Transformers

A total of 78 inverter transformers will be installed beside the inverters to boost the AC voltage for connection to the grid. Seventy (70) of the inverter transformers will have a power rating of up to 1.6 MVA for each inverter station. Eight (8) inverter transformers will have a power rating of up to 0.8 MVA. The inverter transformers will be located on concrete platforms next to the inverter enclosures.

Figure 2 identifies the inverter stations. The octave spectra and the overall Sound Power Levels (PWLs) for on-site noise sources are presented in Table 1.

Table 1: Summary of Noise Source Types

Source		Octave Spectrum (dB)									Overall	
Type	Count	31.5	63	125	250	500	1000	2000	4000	8000	A	lin
Inverter	148	96.2	89.1	86.7	88.2	88.3	82.7	86.4	95	84.4	97.3	100.4
0.8 MVA Inverter Transformer	8	96.2	89.1	86.7	88.2	88.3	82.7	86.4	95	84.4	97.3	100.4
1.6 MVA Inverter Transformer	70	105.6	98.4	90.3	77.8	72.4	63.2	57	52.2	47.3	78.2	106.5
Substation Transformer	1	104.7	97.5	89.4	76.9	71.5	62.3	56.1	51.3	46.4	77.3	105.6

Note:
A: A-weighted, Lin: Linear
The manufacturer-specified A-weighted spectra were converted to linear spectra and presented in this table.
The 5 dB tonal penalty is included in the sound power levels for all the noise sources presented above
The sound power spectrum for inverter includes cooling fan.

4.1 Operating Hours of Facility

The solar facility is designed to operate 365 days per year. The solar panels are only able to generate electricity when the sun is shining. Similarly, the inverters only operate when the solar

panels are generating electricity. Furthermore, the inverters infrequently operate at full power as full power output requires a clear sky when the sun is at peak intensity. For this assessment the inverters and transformers were conservatively assumed to be operational at full power (i.e., maximum noise emission) during both daytime (07:00 to 19:00) and nighttime (19:00 to 07:00) hours [note: nighttime power generation occurs after 19:00 during the summer].

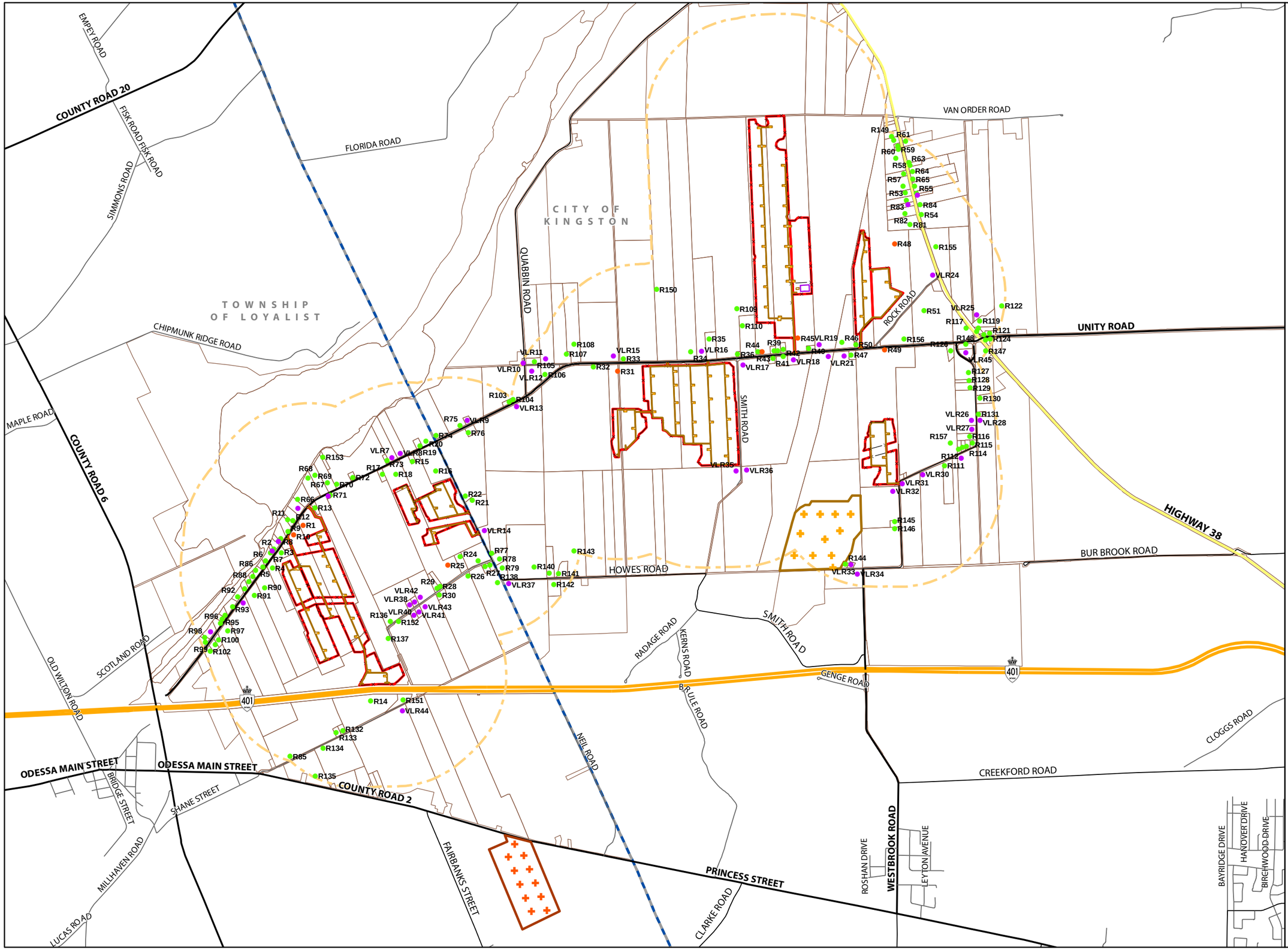
4.2 Site Plan Identifying All Significant Sources

Figure 3 illustrates the Sol-Luce Kingston Solar PV Energy Project location and identifies all noise sources associated with the facility. Figure 3 also illustrates all 'Potential[1] Noise Receptors' surrounding the project location within 1000 m. In addition, as per *Ontario Regulation 359/09* and guidance documents from the MOE, 'Assumed Future Noise Receptors' must be identified on vacant lots measuring at least 100 metres by 100 metres. Vacant lots have been identified within 1 kilometre of the project location and are presented in Figure 3.

[1] While it is possible that the potential noise receptor may be a barn or outbuilding that does not meet the definition of a noise receptor as defined by MOE Publication NPC-205 and NPC-232, these structures are considered to be noise receptors in order to err on the side of caution with regard to noise analysis.

Sol-luce Kingston Solar PV Energy Project

Figure 3
Scaled Area Location Plan



- Non-Participating Noise Receptor
- Participating Noise Receptor
- Vacant Lot Receptor
- Kingston Gardiner Hwy2 Noise Source
- SunE Westbrook Noise Source
- Kingston Gardiner Hwy 2 South Solar Farm
- SunE Westbrook Solar Farm
- 1000 m Project Setback
- Freeway
- Expressway / Highway
- Arterial Road
- Collector Road
- Local Road
- Project Boundary
- Parcel Boundary

N
W E
S

1:35,000

0 200 400 600 m

DILLON CONSULTING

Created By: GM
Checked By: JLP
Date Created: 9/17/2013
Date Modified: 12/12/2013
File Path:I:\GIS\138504 Kingston Solar REA Amendment\Mapping\Noise Assessment\

5. Noise Source Summary

5.1 Noise Source Summary Table

The significant noise sources identified in this noise study are listed in Table 2. This table contains sound power levels, source location, sound characteristics, and any noise control measures that already exist as a part of the original equipment. Noise sources from the neighbouring solar projects (located within 1 km of the Sol-Luce Kingston Solar PV Energy Project), SunE Westbrook Solar Farm and the Kingston Gardiner Hwy 2 South project have also been included in this noise study.

Table 2: Noise Source Summary

Noise Source ID	PWL	Source Location[1] (I or O)	Sound Characteristics[2] (S,Q,I,B,T,C)	Noise Control Measures[3] (S,A,B,L,E,O,U)	UTM		Height
	(dBA)				X (m)	Y (m)	(m)
S_12_1_I	100.3	O	T	U	370241	4907365	2
S_12_1_T	77.3	O	T	U	370236	4907365	2
S_12_2_I	100.3	O	T	U	370091	4907340	2
S_12_2_T	77.3	O	T	U	370086	4907340	2
S_12_3_I	100.3	O	T	U	370202	4907134	2
S_12_3_T	77.3	O	T	U	370207	4907134	2
S_12_4_I	89	O	T	U	370255	4906972	2
S_12_4_T	77.3	O	T	U	370250	4906972	2
S_14A_1_I	89	O	T	U	368669	4907930	2
S_14A_1_T	77.3	O	T	U	368664	4907930	2
S_14A_10_I	89	O	T	U	368162	4907974	2
S_14A_10_T	77.3	O	T	U	368157	4907974	2
S_14A_11_I	89	O	T	U	368336	4907840	2
S_14A_11_T	77.3	O	T	U	368331	4907840	2
S_14A_12_I	100.3	O	T	U	368343	4907668	2
S_14A_12_T	77.3	O	T	U	368338	4907668	2
S_14A_13_I	100.3	O	T	U	368351	4907479	2
S_14A_13_T	77.3	O	T	U	368346	4907479	2
S_14A_14_I	100.3	O	T	U	368357	4907344	2
S_14A_14_T	77.3	O	T	U	368352	4907344	2
S_14A_2_I	89	O	T	U	368678	4907713	2
S_14A_2_T	77.3	O	T	U	368673	4907713	2
S_14A_3_I	100.3	O	T	U	368687	4907506	2

Noise Source ID	PWL	Source Location[1] (I or O)	Sound Characteristics[2] (S,Q,I,B,T,C)	Noise Control Measures[3] (S,A,B,L,E,O,U)	UTM		Height
	(dBA)				X (m)	Y (m)	(m)
S_14A_3_T	77.3	O	T	U	368682	4907506	2
S_14A_4_I	100.3	O	T	U	368695	4907317	2
S_14A_4_T	77.3	O	T	U	368690	4907317	2
S_14A_5_I	89	O	T	U	368656	4907147	2
S_14A_5_T	77.3	O	T	U	368661	4907147	2
S_14A_6_I	100.3	O	T	U	368484	4907209	2
S_14A_6_T	77.3	O	T	U	368489	4907209	2
S_14A_7_I	100.3	O	T	U	368520	4907479	2
S_14A_7_T	77.3	O	T	U	368515	4907479	2
S_14A_8_I	100.3	O	T	U	368510	4907704	2
S_14A_8_T	77.3	O	T	U	368505	4907704	2
S_14A_9_I	89	O	T	U	368501	4907930	2
S_14A_9_T	77.3	O	T	U	368496	4907930	2
S_14B_1_I	100.3	O	T	U	368168	4907839	2
S_14B_1_T	77.3	O	T	U	368163	4907839	2
S_14B_2_I	100.3	O	T	U	368175	4907668	2
S_14B_2_T	77.3	O	T	U	368170	4907668	2
S_14B_3_I	100.3	O	T	U	368184	4907470	2
S_14B_3_T	77.3	O	T	U	368179	4907470	2
S_14B_4_I	100.3	O	T	U	367957	4907579	2
S_14B_4_T	77.3	O	T	U	367952	4907579	2
S_14B_5_I	100.3	O	T	U	367950	4907759	2
S_14B_5_T	77.3	O	T	U	367945	4907759	2
S_14B_6_I	100.3	O	T	U	367942	4907930	2
S_14B_6_T	77.3	O	T	U	367937	4907930	2
S_14C_1_I	100.3	O	T	U	367747	4907417	2
S_14C_1_T	77.3	O	T	U	367752	4907417	2
S_14C_2_I	100.3	O	T	U	367669	4907587	2
S_14C_2_T	77.3	O	T	U	367674	4907587	2
S_19_1_I	89	O	T	U	365849	4906817	2
S_19_1_T	77.3	O	T	U	365844	4906817	2
S_19_2_I	89	O	T	U	365970	4906655	2
S_19_2_T	77.3	O	T	U	365975	4906655	2
S_19_3_I	100.3	O	T	U	365821	4906637	2
S_19_3_T	77.3	O	T	U	365816	4906637	2
S_19_5_I	97.3	O	T	U	365801	4906394	2
S_19_5_T	78.2	O	T	U	365796	4906394	2
S_2_1_I	100.3	O	T	U	370225	4908848	2

Noise Source ID	PWL	Source Location[1] (I or O)	Sound Characteristics[2] (S,Q,I,B,T,C)	Noise Control Measures[3] (S,A,B,L,E,O,U)	UTM		Height
	(dBA)				X (m)	Y (m)	(m)
S_2_1_T	77.3	O	T	U	370230	4908848	2
S_2_2_I	100.3	O	T	U	370320	4908704	2
S_2_2_T	77.3	O	T	U	370325	4908704	2
S_20_1_I	100.3	O	T	U	365584	4906625	2
S_20_1_T	77.3	O	T	U	365589	4906625	2
S_21_1_I	97.3	O	T	U	364686	4906355	2
S_21_1_T	78.2	O	T	U	364681	4906355	2
S_21_2_I	100.3	O	T	U	364717	4906166	2
S_21_2_T	77.3	O	T	U	364722	4906166	2
S_21_3_I	100.3	O	T	U	364759	4906066	2
S_21_3_T	77.3	O	T	U	364764	4906066	2
S_21_4_I	100.3	O	T	U	364821	4905922	2
S_21_4_T	77.3	O	T	U	364826	4905922	2
S_21_5_I	97.3	O	T	U	364930	4905785	2
S_21_5_T	78.2	O	T	U	364925	4905785	2
S_21_6_I	100.3	O	T	U	365008	4905559	2
S_21_6_T	77.3	O	T	U	365003	4905559	2
S_21_7_I	100.3	O	T	U	365035	4905378	2
S_21_7_T	77.3	O	T	U	365040	4905378	2
S_22_1_I	100.3	O	T	U	364678	4905894	2
S_22_1_T	77.3	O	T	U	364673	4905894	2
S_22_2_I	97.3	O	T	U	364782	4905647	2
S_22_2_T	78.2	O	T	U	364777	4905647	2
S_23_1_I	89	O	T	U	364448	4906039	2
S_23_1_T	77.3	O	T	U	364443	4906039	2
S_23_2_I	100.3	O	T	U	364481	4905840	2
S_23_2_T	77.3	O	T	U	364476	4905840	2
S_23_3_I	100.3	O	T	U	364566	4905641	2
S_23_3_T	77.3	O	T	U	364561	4905641	2
S_23_4_I	100.3	O	T	U	364662	4905414	2
S_23_4_T	77.3	O	T	U	364657	4905414	2
S_23_5_I	97.3	O	T	U	364735	4905244	2
S_23_5_T	78.2	O	T	U	364730	4905244	2
S_24_1_I	89	O	T	U	365313	4904994	2
S_24_1_T	77.3	O	T	U	365318	4904994	2
S_24_2_I	100.3	O	T	U	365168	4905045	2
S_24_2_T	77.3	O	T	U	365163	4905045	2
S_25A_1_I	100.3	O	T	U	369091	4910370	2

Noise Source ID	PWL	Source Location[1] (I or O)	Sound Characteristics[2] (S,Q,I,B,T,C)	Noise Control Measures[3] (S,A,B,L,E,O,U)	UTM		Height
	(dBA)				X (m)	Y (m)	(m)
S_25A_1_T	77.3	O	T	U	369086	4910370	2
S_25A_10_I	89	O	T	U	369182	4908507	2
S_25A_10_T	77.3	O	T	U	369187	4908507	2
S_25A_11_I	89	O	T	U	369174	4908481	2
S_25A_11_T	77.3	O	T	U	369179	4908481	2
S_25A_2_I	97.3	O	T	U	369028	4910180	2
S_25A_2_T	78.2	O	T	U	369023	4910180	2
S_25A_3_I	100.3	O	T	U	369211	4909991	2
S_25A_3_T	77.3	O	T	U	369216	4909991	2
S_25A_4_I	100.3	O	T	U	369219	4909793	2
S_25A_4_T	77.3	O	T	U	369224	4909793	2
S_25A_5_I	100.3	O	T	U	369227	4909595	2
S_25A_5_T	77.3	O	T	U	369232	4909595	2
S_25A_6_I	100.3	O	T	U	369235	4909397	2
S_25A_6_T	77.3	O	T	U	369240	4909397	2
S_25A_7_I	100.3	O	T	U	369242	4909199	2
S_25A_7_T	77.3	O	T	U	369247	4909199	2
S_25A_8_I	100.3	O	T	U	369251	4909001	2
S_25A_8_T	77.3	O	T	U	369256	4909001	2
S_25A_9_I	100.3	O	T	U	369258	4908857	2
S_25A_9_T	77.3	O	T	U	369263	4908857	2
S_25B_1_I	97.3	O	T	U	368975	4910359	2
S_25B_1_T	78.2	O	T	U	368980	4910359	2
S_25B_10_I	89	O	T	U	369045	4908605	2
S_25B_10_T	77.3	O	T	U	369050	4908605	2
S_25B_2_I	100.3	O	T	U	368982	4910180	2
S_25B_2_T	77.3	O	T	U	368987	4910180	2
S_25B_3_I	100.3	O	T	U	368989	4909991	2
S_25B_3_T	77.3	O	T	U	368994	4909991	2
S_25B_4_I	100.3	O	T	U	368997	4909793	2
S_25B_4_T	77.3	O	T	U	369002	4909793	2
S_25B_5_I	100.3	O	T	U	369005	4909595	2
S_25B_5_T	77.3	O	T	U	369010	4909595	2
S_25B_6_I	100.3	O	T	U	369013	4909397	2
S_25B_6_T	77.3	O	T	U	369018	4909397	2
S_25B_7_I	100.3	O	T	U	369021	4909199	2
S_25B_7_T	77.3	O	T	U	369026	4909199	2
S_25B_8_I	100.3	O	T	U	369029	4909001	2

Noise Source ID	PWL	Source Location[1] (I or O)	Sound Characteristics[2] (S,Q,I,B,T,C)	Noise Control Measures[3] (S,A,B,L,E,O,U)	UTM		Height
	(dBA)				X (m)	Y (m)	(m)
S_25B_8_T	77.3	O	T	U	369034	4909001	2
S_25B_9_I	100.3	O	T	U	369037	4908803	2
S_25B_9_T	77.3	O	T	U	369042	4908803	2
S_3_1_I	100.3	O	T	U	370016	4909146	2
S_3_1_T	77.3	O	T	U	370011	4909146	2
S_3_2_I	100.3	O	T	U	370014	4908857	2
S_3_2_T	77.3	O	T	U	370009	4908857	2
S_3_3_I	100.3	O	T	U	370019	4908694	2
S_3_3_T	77.3	O	T	U	370014	4908694	2
S_3_4_I	100.3	O	T	U	369981	4908514	2
S_3_4_T	77.3	O	T	U	369986	4908514	2
S_4_1_I	100.3	O	T	U	369280	4909397	2
S_4_1_T	77.3	O	T	U	369275	4909397	2
S_4_2_I	100.3	O	T	U	369287	4909199	2
S_4_2_T	77.3	O	T	U	369282	4909199	2
S_4_3_I	100.3	O	T	U	369294	4909001	2
S_4_3_T	77.3	O	T	U	369289	4909001	2
S_4_4_I	97.3	O	T	U	369318	4908858	2
S_4_4_T	78.2	O	T	U	369313	4908858	2
S_Substation	84	O	T	U	369426	4908792	3
G_Sub	90.8	O	T	U	366586.3	4903349.9	2.5
G_Inv1	87.7	O	T	U	366526.4	4903225.8	2
G_Inv2	87.7	O	T	U	366676.9	4903239.1	2
G_Inv3	87.7	O	T	U	366583.7	4903091.4	2
G_Inv4	87.7	O	T	U	366732.8	4903105	2
G_Inv5	87.7	O	T	U	366638.5	4902958.1	2
G_Inv6	87.7	O	T	U	366788.5	4902972	2
G_Inv7	87.7	O	T	U	366694.6	4902824.7	2
G_Inv8	87.7	O	T	U	366844.5	4902838.5	2
G_Inv9	87.7	O	T	U	366750.9	4902691.8	2
G_Inv10	87.7	O	T	U	366900.7	4902704.8	2
W_H1T	77.8	O	T	U	369688.2	4906177.7	2
W_H1I1	81.4	O	T	U	369686.9	4906173	2
W_H1I2	81.4	O	T	U	369689.4	4906173	2
W_H2T	77.8	O	T	U	369506.4	4906177.7	2
W_H2I1	81.4	O	T	U	369505.1	4906173	2
W_H2I2	81.4	O	T	U	369507.7	4906173	2
W_H3T	77.8	O	T	U	369324.7	4906177.7	2

Noise Source ID	PWL	Source Location[1] (I or O)	Sound Characteristics[2] (S,Q,I,B,T,C)	Noise Control Measures[3] (S,A,B,L,E,O,U)	UTM		Height
	(dBA)				X (m)	Y (m)	(m)
W_H3I1	81.4	O	T	U	369323.4	4906173	2
W_H3I2	81.4	O	T	U	369325.9	4906173	2
W_H4T	77.8	O	T	U	369418.6	4906582.7	2
W_H4I1	81.4	O	T	U	369417.3	4906578	2
W_H4I2	81.4	O	T	U	369419.8	4906578	2
W_H5T	77.8	O	T	U	369876	4906582.7	2
W_H5I1	81.4	O	T	U	369874.7	4906578	2
W_H5I2	81.4	O	T	U	369877.2	4906578	2
W_H6T	77.8	O	T	U	369770.5	4906421.7	2
W_H6I1	81.4	O	T	U	369769.3	4906417	2
W_H6I2	81.4	O	T	U	369771.8	4906417	2
W_H7T	77.8	O	T	U	369723.6	4906582.7	2
W_H7I1	81.4	O	T	U	369722.3	4906578	2
W_H7I2	81.4	O	T	U	369724.8	4906578	2
W_H8T	77.8	O	T	U	369577.1	4906582.7	2
W_H8I1	81.4	O	T	U	369575.8	4906578	2
W_H8I2	81.4	O	T	U	369578.3	4906578	2
W_H9T	77.8	O	T	U	369383.4	4906392.4	2
W_H9I1	81.4	O	T	U	369382.1	4906387.6	2
W_H9I2	81.4	O	T	U	369384.6	4906387.6	2
W_H10T	77.8	O	T	U	369623.8	4906338.7	2
W_H10I1	81.4	O	T	U	369622.5	4906334	2
W_H10I2	81.4	O	T	U	369625.1	4906334	2
W_ST	89.4	O	T	U	369702.9	4906057	2.5

Note:
The table includes all noise sources from neighbouring solar farms within 1 km of the subject project..
The initial letter for source IDs represent the project as follows: W: Westbrook Solar, G: Kingston Gardiner Hwy2 Solar, S: Sol-Luce Kingston Solar PV Energy Project.
Substations:
S_Substation: Kingston Solar PV Energy Project
G_Sub: Kingston Gardiner Hwy 2 Solar
W_ST: Westbrook Solar

Noise Source Summary Table Notes:

1. Source Locations

O – located/installed outside of a building, including on the roof
I – located/installed inside a building

2. Sound Characteristics

S – Steady
Q – Quasi Steady Impulsive
I – Impulsive
B – Buzzing
T – Tonal
C – Cyclic
Int – Intermittent

3. Noise Control Measures

S – silencer, acoustic louver, muffler
A – acoustic lining, plenum
B – barrier, berm, screening
L – lagging
E – acoustic enclosure
O – other
U – uncontrolled

5.2 Noise Source Specifications

Noise source specifications including manufacturer-specified noise data and calculation of transformer noise levels are provided in Appendix A.

5.3 Source Power/Capacity Ratings

Manufacturer data for capacity and operating specifications for primary noise sources can be found in Appendix A.

5.4 Noise Control Description & Acoustical Specifications

For the Sol-Luce Kingston Solar PV Energy Project, there are 78 MVPPs 70 of which consist of two (2) 800 kW inverters and one (1) 1.6 MVA inverter transformer and eight (8) of them consist of one (1) 800 kW inverter and one (1) 0.8 MVA inverter transformer. In all cases, the inverters will each be contained in a cabinet (as per the specifications presented in Appendix A) and a secondary enclosure. The secondary enclosure will have louvers for ventilation. Conservatively, no additional noise mitigation measure was incorporated in the modelling for the secondary enclosure.

The secondary enclosure will have openings for ventilation through which noise can propagate to outside. Through modelling iterations it was determined that 14 of the inverter enclosures (see source IDs in Table 3) will require acoustic louvers for the openings. The Transmission Loss (TL) spectrum for the required acoustic louver is presented in Table 3.

Noise mitigation measures for the neighbouring solar farms were incorporated in the modelling. The data used for the neighbouring facilities was obtained from their NSRs, which have been submitted to and approved by the MOE.

Table 3: Noise Attenuation Data for Acoustic Louver

Noise Source ID	Noise Control		TL Spectrum (dB)					
	Type	Manufacturer	125	250	500	1000	2000	4000
S_12_4_I	Acoustic Louver	Greenheck	4	4	6	10	17	12
S_14A_1_I	Acoustic Louver	Greenheck	4	4	6	10	17	12
S_14A_10_I	Acoustic Louver	Greenheck	4	4	6	10	17	12
S_14A_11_I	Acoustic Louver	Greenheck	4	4	6	10	17	12
S_14A_2_I	Acoustic Louver	Greenheck	4	4	6	10	17	12
S_14A_5_I	Acoustic Louver	Greenheck	4	4	6	10	17	12
S_14A_9_I	Acoustic Louver	Greenheck	4	4	6	10	17	12
S_19_1_I	Acoustic Louver	Greenheck	4	4	6	10	17	12
S_19_2_I	Acoustic Louver	Greenheck	4	4	6	10	17	12
S_23_1_I	Acoustic Louver	Greenheck	4	4	6	10	17	12
S_24_1_I	Acoustic Louver	Greenheck	4	4	6	10	17	12
S_25A_10_I	Acoustic Louver	Greenheck	4	4	6	10	17	12
S_25A_11_I	Acoustic Louver	Greenheck	4	4	6	10	17	12
S_25B_10_I	Acoustic Louver	Greenheck	4	4	6	10	17	12

6. Point of Reception Noise Impact Analysis

6.1 Land Use Zoning Plan

The planned solar facility will occur within lands zoned by the City of Kingston as 'Agricultural' with some areas zoned as 'Undeveloped Aggregate Resource Area' by the City of Kingston and Loyalist Township. Zoning and land use information is provided in the *Design and Operations Report* (AMEC, 2012) of the REA submission.

6.2 Scaled Area Location Plan

Figure 3 is an aerial photo showing the location of the proposed Sol-Luce Kingston Solar PV Energy Project and the surrounding area including the nearby receptors.

6.3 Points of Reception (PORs) List and Description

The Model Municipal Noise Control By-law defines a Point of Reception (POR)/receptor as "*any point on the premises of a person where sound or vibration originating from other than those premises is received.*" Noise-sensitive receptors, as defined in MOE Publications NPC-205 and NPC-232, include the following land uses:

- Permanent, seasonal, or rental residences;
- Hotels, motels and campgrounds;
- Schools, universities, libraries and daycare centres;
- Hospitals and clinics, nursing/retirement homes; and
- Churches and places of worship.

Conservatively, a receptor height of 4.5 metres was considered for all receptors, assuming a two-storey dwelling at each receptor location. The UTM coordinates (NAD83) of the receptors used in the noise modelling are summarized in Table 4. For the vacant lot receptors, the centres of the 100 metre by 100 metre lots were chosen to represent the receptor locations, as per relevant MOE guidelines.

All receptors associated with the neighbouring solar farms (i.e., SunE Westbrook Solar Farm and Kingston Gardiner Hwy 2 South) have been included in the modelling and assessment of noise impact herein.

Table 4: Noise Sensitive Receptors – Coordinates

Point of Reception		Coordinates	
ID	Description	UTM-X (m)	UTM-Y (m)
S-R1	Participating Residence	364518	4906471
S-R2	Non-Participating Residence	364230	4906236
S-R3	Non-Participating Residence	364304	4906205
S-R4	Non-Participating Residence	364216	4906053
S-R5	Non-Participating Residence	364123	4906064
S-R6	Non-Participating Residence	364148	4906121
S-R7	Non-Participating Residence	364198	4906201
S-R8	Non-Participating Residence	364297	4906341
S-R9	Non-Participating Residence	364369	4906412
S-R10	Participating Residence	364424	4906375
S-R11	Non-Participating Residence	364366	4906524
S-R12	Non-Participating Residence	364416	4906519
S-R13	Non-Participating Residence	364633	4906641
S-R14	Non-Participating Residence	365178	4904753
S-R15	Non-Participating Residence	365585	4907094
S-R16	Non-Participating Residence	365813	4907002
S-R17	Non-Participating Residence	365294	4906968
S-R18	Non-Participating Residence	365422	4906972
S-R19	Non-Participating Residence	365659	4907251
S-R20	Non-Participating Residence	365720	4907293
S-R21	Non-Participating Residence	366173	4906712
S-R22	Non-Participating Residence	366104	4906755
S-R23	Non-Participating Residence	366229	4906121
S-R24	Non-Participating Residence	366054	4906161
S-R25	Participating Residence	365931	4906080
S-R26	Non-Participating Residence	366131	4905973
S-R27	Non-Participating Residence	366299	4906069
S-R28	Non-Participating Residence	365856	4905876
S-R29	Non-Participating Residence	365826	4905855
S-R30	Non-Participating Residence	365849	4905788
S-R31	Participating Residence	367596	4907979
S-R32	Non-Participating Residence	367358	4908024
S-R33	Non-Participating Residence	367652	4908099
S-R34	Non-Participating Residence	368309	4908171

Point of Reception		Coordinates	
ID	Description	UTM-X (m)	UTM-Y (m)
S-R35	Non-Participating Residence	368489	4908295
S-R36	Non-Participating Residence	368769	4908144
S-R37	Non-Participating Residence	369128	4908178
S-R38	Non-Participating Residence	369162	4908181
S-R39	Non-Participating Residence	369216	4908191
S-R40	Non-Participating Residence	369465	4908201
S-R41	Non-Participating Residence	369114	4908102
S-R42	Non-Participating Residence	369217	4908121
S-R43	Non-Participating Residence	368969	4908169
S-R44	Participating Residence	369008	4908170
S-R45	Participating Residence	369359	4908303
S-R46	Non-Participating Residence	369790	4908263
S-R47	Non-Participating Residence	369881	4908138
S-R48	Participating Residence	370307	4909226
S-R49	Participating Residence	370209	4908188
S-R50	Non-Participating Residence	369926	4908239
S-R51	Non-Participating Residence	370593	4908571
S-R52	Non-Participating Residence	370411	4909723
S-R53	Non-Participating Residence	370390	4909790
S-R54	Non-Participating Residence	370569	4909511
S-R55	Non-Participating Residence	370520	4909722
S-R56	Non-Participating Residence	370503	4909791
S-R57	Non-Participating Residence	370395	4909912
S-R58	Non-Participating Residence	370317	4910062
S-R59	Non-Participating Residence	370341	4910151
S-R60	Non-Participating Residence	370336	4910182
S-R61	Non-Participating Residence	370297	4910239
S-R62	Non-Participating Residence	370457	4909994
S-R63	Non-Participating Residence	370445	4910024
S-R64	Non-Participating Residence	370482	4909935
S-R65	Non-Participating Residence	370485	4909857
S-R66	Non-Participating Residence	364464	4906724
S-R67	Non-Participating Residence	364563	4906932
S-R68	Non-Participating Residence	364633	4906961
S-R69	Non-Participating Residence	364753	4906886
S-R70	Non-Participating Residence	364844	4906873
S-R71	Non-Participating Residence	364782	4906767
S-R72	Non-Participating Residence	365003	4906937
S-R73	Non-Participating Residence	365336	4907105
S-R74	Non-Participating Residence	365816	4907350

Point of Reception		Coordinates	
ID	Description	UTM-X (m)	UTM-Y (m)
S-R75	Non-Participating Residence	366052	4907446
S-R76	Non-Participating Residence	366134	4907377
S-R77	Non-Participating Residence	366362	4906199
S-R78	Non-Participating Residence	366440	4906141
S-R79	Non-Participating Residence	366468	4906056
S-R80	Non-Participating Residence	366343	4906081
S-R81	Non-Participating Residence	370458	4909412
S-R82	Non-Participating Residence	370407	4909521
S-R83	Non-Participating Residence	370423	4909650
S-R84	Non-Participating Residence	370557	4909609
S-R85	Non-Participating Residence	364389	4904208
S-R86	Non-Participating Residence	364051	4906031
S-R87	Non-Participating Residence	364023	4905970
S-R88	Non-Participating Residence	363986	4905920
S-R89	Non-Participating Residence	363944	4905852
S-R90	Non-Participating Residence	364140	4905859
S-R91	Non-Participating Residence	364039	4905781
S-R92	Non-Participating Residence	363876	4905772
S-R93	Non-Participating Residence	363825	4905672
S-R94	Non-Participating Residence	363753	4905589
S-R95	Non-Participating Residence	363726	4905554
S-R96	Non-Participating Residence	363708	4905513
S-R97	Non-Participating Residence	363780	4905438
S-R98	Non-Participating Residence	363552	4905373
S-R99	Non-Participating Residence	363558	4905325
S-R100	Non-Participating Residence	363689	4905350
S-R101	Non-Participating Residence	363656	4905303
S-R102	Non-Participating Residence	363606	4905237
S-R103	Non-Participating Residence	366535	4907679
S-R104	Non-Participating Residence	366573	4907703
S-R105	Non-Participating Residence	366780	4908073
S-R106	Non-Participating Residence	366885	4907947
S-R107	Non-Participating Residence	367094	4908148
S-R108	Non-Participating Residence	367168	4908242
S-R109	Non-Participating Residence	368761	4908590
S-R110	Non-Participating Residence	368816	4908424
S-R111	Non-Participating Residence	370796	4907054
S-R112	Non-Participating Residence	370931	4907215
S-R113	Non-Participating Residence	370970	4907230
S-R114	Non-Participating Residence	371009	4907243

Point of Reception		Coordinates	
ID	Description	UTM-X (m)	UTM-Y (m)
S-R115	Non-Participating Residence	371067	4907274
S-R116	Non-Participating Residence	371041	4907342
S-R117	Non-Participating Residence	371006	4908401
S-R118	Non-Participating Residence	371127	4908400
S-R119	Non-Participating Residence	371139	4908470
S-R120	Non-Participating Residence	371182	4908338
S-R121	Non-Participating Residence	371238	4908351
S-R122	Non-Participating Residence	371356	4908619
S-R123	Non-Participating Residence	371197	4908286
S-R124	Non-Participating Residence	371243	4908295
S-R125	Non-Participating Residence	371002	4908242
S-R126	Non-Participating Residence	370856	4908178
S-R127	Non-Participating Residence	371030	4907965
S-R128	Non-Participating Residence	371035	4907887
S-R129	Non-Participating Residence	371044	4907815
S-R130	Non-Participating Residence	371143	4907714
S-R131	Non-Participating Residence	371128	4907557
S-R132	Non-Participating Residence	364903	4904460
S-R133	Non-Participating Residence	364840	4904440
S-R134	Non-Participating Residence	364711	4904288
S-R135	Non-Participating Residence	364636	4904016
S-R136	Non-Participating Residence	365371	4905526
S-R137	Non-Participating Residence	365349	4905362
S-R138	Non-Participating Residence	366418	4905910
S-R139	Non-Participating Residence	366778	4906065
S-R140	Non-Participating Residence	366926	4906001
S-R141	Non-Participating Residence	367018	4905998
S-R142	Non-Participating Residence	366970	4905892
S-R143	Non-Participating Residence	367170	4906218
S-R144	Non-Participating Residence	369825	4906092
S-R145	Non-Participating Residence	370306	4906505
S-R146	Non-Participating Residence	370307	4906437
S-R147	Non-Participating Residence	371199	4908176
S-R148	Non-Participating Residence	371110	4908369
S-R149	Non-Participating Residence	370276	4910278
S-R150	Non-Participating Residence	367978	4908780
S-R151	Non-Participating Residence	365493	4904759
S-R152	Non-Participating Residence	365449	4905529
S-R153	Non-Participating Residence	364710	4907137
S-R154	Non-Participating Residence	370413	4910229

Point of Reception		Coordinates	
ID	Description	UTM-X (m)	UTM-Y (m)
S-R155	Non-Participating Residence	370710	4909195
S-R156	Non-Participating Residence	370399	4908293
S-R157	Non-Participating Residence	370851	4907277
S-VLR1	Vacant Lot Receptor	363609	4905431
S-VLR2	Vacant Lot Receptor	363929	4905712
S-VLR3	Vacant Lot Receptor	364213	4906222
S-VLR4	Vacant Lot Receptor	364272	4906314
S-VLR5	Vacant Lot Receptor	364467	4906635
S-VLR6	Vacant Lot Receptor	364762	4906754
S-VLR7	Vacant Lot Receptor	365386	4907135
S-VLR8	Vacant Lot Receptor	365468	4907176
S-VLR9	Vacant Lot Receptor	366122	4907498
S-VLR10	Vacant Lot Receptor	366669	4908059
S-VLR11	Vacant Lot Receptor	366889	4908100
S-VLR12	Vacant Lot Receptor	366755	4907982
S-VLR13	Vacant Lot Receptor	366607	4907632
S-VLR14	Vacant Lot Receptor	366290	4906421
S-VLR15	Vacant Lot Receptor	367554	4908128
S-VLR16	Vacant Lot Receptor	368417	4908173
S-VLR17	Vacant Lot Receptor	368821	4908037
S-VLR18	Vacant Lot Receptor	369317	4908090
S-VLR19	Vacant Lot Receptor	369570	4908240
S-VLR20	Vacant Lot Receptor	369813	4908130
S-VLR21	Vacant Lot Receptor	369658	4908124
S-VLR22	Vacant Lot Receptor	370438	4909610
S-VLR23	Vacant Lot Receptor	370528	4909703
S-VLR24	Vacant Lot Receptor	370679	4908919
S-VLR25	Vacant Lot Receptor	371110	4908533
S-VLR26	Vacant Lot Receptor	371059	4907495
S-VLR27	Vacant Lot Receptor	371062	4907411
S-VLR28	Vacant Lot Receptor	371142	4907495
S-VLR29	Vacant Lot Receptor	370958	4907126
S-VLR30	Vacant Lot Receptor	370582	4906966
S-VLR31	Vacant Lot Receptor	370381	4906879
S-VLR32	Vacant Lot Receptor	370289	4906806
S-VLR33	Vacant Lot Receptor	369879	4906085
S-VLR34	Vacant Lot Receptor	369943	4905994
S-VLR35	Vacant Lot Receptor	368755	4906999
S-VLR36	Vacant Lot Receptor	368858	4907009
S-VLR37	Vacant Lot Receptor	366530	4905901

Point of Reception		Coordinates	
ID	Description	UTM-X (m)	UTM-Y (m)
S-VLR38	Vacant Lot Receptor	365559	4905690
S-VLR39	Vacant Lot Receptor	365607	4905722
S-VLR40	Vacant Lot Receptor	365602	4905590
S-VLR41	Vacant Lot Receptor	365651	4905622
S-VLR42	Vacant Lot Receptor	365664	4905767
S-VLR43	Vacant Lot Receptor	365711	4905674
S-VLR44	Vacant Lot Receptor	365488	4904656
S-VLR45	Vacant Lot Receptor	371003	4908159
G-1	Non-Participating Residence	366773	4903320
G-2	Non-Participating Residence	366859	4903323
G-3	Non-Participating Residence	366876	4903397
G-4	Non-Participating Residence	366782	4903432
G-5	Non-Participating Residence	367019	4903279
G-6	Non-Participating Residence	366950	4903384
G-7	Non-Participating Residence	366476	4903421
G-8	Non-Participating Residence	366973	4903383
G-9	Non-Participating Residence	367088	4903275
G-10	Non-Participating Residence	366439	4903427
G-11	Non-Participating Residence	367172	4903163
G-12	Non-Participating Residence	366391	4903443
G-13	Non-Participating Residence	367092	4903373
G-14	Non-Participating Residence	366449	4903496
G-15	Non-Participating Residence	367240	4903233
G-16	Non-Participating Residence	366166	4902770
G-17	Non-Participating Residence	366157	4902750
G-18	Non-Participating Residence	366180	4902639
G-19	Non-Participating Residence	366041	4902939
G-20	Non-Participating Residence	366034	4902964
G-21	Non-Participating Residence	366029	4903026
G-22	Non-Participating Residence	366017	4903032
G-23	Non-Participating Residence	366018	4902893
G-24	Non-Participating Residence	365998	4903069
G-25	Non-Participating Residence	365990	4903082
G-26	Non-Participating Residence	366304	4902384
G-27	Non-Participating Residence	366372	4902339
G-28	Non-Participating Residence	365968	4902982
G-29	Non-Participating Residence	365964	4902878
G-30	Non-Participating Residence	365942	4903033
G-31	Non-Participating Residence	367524	4903182
G-32	Non-Participating Residence	366039	4903555

Point of Reception		Coordinates	
ID	Description	UTM-X (m)	UTM-Y (m)
G-33	Non-Participating Residence	365957	4903545
G-34	Non-Participating Residence	365864	4903408
G-35	Non-Participating Residence	365769	4903004
G-36	Non-Participating Residence	365767	4902982
G-37	Non-Participating Residence	365856	4903450
G-38	Non-Participating Residence	365899	4903590
G-39	Non-Participating Residence	366132	4902195
G-40	Non-Participating Residence	365786	4903405
G-41	Non-Participating Residence	366115	4902187
G-42	Non-Participating Residence	365916	4903656
G-43	Non-Participating Residence	365772	4903432
G-44	Non-Participating Residence	365675	4903041
G-45	Non-Participating Residence	366062	4902160
G-46	Non-Participating Residence	365642	4903198
G-47	Non-Participating Residence	365751	4902462
G-48	Non-Participating Residence	365762	4903627
G-49	Non-Participating Residence	365686	4903496
G-50	Non-Participating Residence	367854	4903074
G-51	Non-Participating Residence	365602	4903245
G-52	Non-Participating Residence	365980	4902130
G-53	Non-Participating Residence	365781	4903713
G-54	Non-Participating Residence	367146	4904098
G-55	Non-Participating Residence	367888	4903013
G-56	Non-Participating Residence	367909	4903049
G-57	Non-Participating Residence	365676	4902425
G-58	Non-Participating Residence	365654	4903592
G-59	Non-Participating Residence	365730	4903727
G-60	Non-Participating Residence	367926	4903216
G-61	Non-Participating Residence	367944	4903078
G-62	Non-Participating Residence	365879	4902086
G-63	Non-Participating Residence	365489	4903250
G-64	Non-Participating Residence	365646	4903743
G-65	Non-Participating Residence	367312	4904188
G-66	Non-Participating Residence	365807	4902040
G-67	Non-Participating Residence	365650	4903811
G-68	Non-Participating Residence	366536	4901668
G-69	Non-Participating Residence	366382	4901674
G-70	Non-Participating Residence	365526	4903684
G-71	Non-Participating Residence	366329	4901680
G-72	Non-Participating Residence	365500	4903658

Point of Reception		Coordinates	
ID	Description	UTM-X (m)	UTM-Y (m)
G-73	Non-Participating Residence	365512	4903779
G-74	Non-Participating Residence	366199	4901665
G-75	Non-Participating Residence	366245	4901600
G-76	Non-Participating Residence	366085	4901666
G-77	Non-Participating Residence	366069	4901660
G-78	Non-Participating Residence	366190	4901603
G-79	Non-Participating Residence	365415	4903793
G-80	Non-Participating Residence	366139	4901589
G-81	Non-Participating Residence	366016	4901609
G-82	Non-Participating Residence	366826	4901429
G-83	Non-Participating Residence	365991	4901610
G-84	Non-Participating Residence	367679	4901743
G-85	Non-Participating Residence	367768	4901816
G-86	Non-Participating Residence	366861	4901414
G-87	Non-Participating Residence	365339	4903808
G-88	Non-Participating Residence	367795	4901814
G-89	Non-Participating Residence	367715	4901725
G-90	Non-Participating Residence	365815	4901666
G-91	Non-Participating Residence	366875	4901385
G-92	Non-Participating Residence	365271	4903752
G-93	Non-Participating Residence	365766	4901673
G-94	Non-Participating Residence	365288	4903813
G-95	Non-Participating Residence	365265	4903816
G-96	Non-Participating Residence	365270	4903845
G-97	Non-Participating Residence	367907	4901809
G-98	Non-Participating Residence	365215	4903835
G-99	Non-Participating Residence	365213	4903857
G-100	Non-Participating Residence	368194	4902084
G-101	Non-Participating Residence	365178	4903844
G-102	Non-Participating Residence	365123	4903732
G-103	Non-Participating Residence	365110	4903782
G-104	Non-Participating Residence	368362	4902275
G-105	Non-Participating Residence	365135	4903856
G-106	Non-Participating Residence	365118	4903868
G-107	Non-Participating Residence	368397	4902267
G-108	Non-Participating Residence	365041	4903916
G-109	Non-Participating Residence	365011	4903913
G-110	Non-Participating Residence	364922	4903826
G-111	Non-Participating Residence	364942	4903879
G-112	Non-Participating Residence	364883	4903837

Point of Reception		Coordinates	
ID	Description	UTM-X (m)	UTM-Y (m)
G-113	Non-Participating Residence	364872	4903824
G-114	Non-Participating Residence	364823	4903911
G-115	Non-Participating Residence	365499	4904756
G-116	Non-Participating Residence	364792	4903920
G-117	Non-Participating Residence	365182	4904745
G-118	Non-Participating Residence	365211	4904781
G-119	Non-Participating Residence	364893	4904450
G-120	Non-Participating Residence	365148	4904745
G-121	Non-Participating Residence	364855	4904442
G-122	Non-Participating Residence	364836	4904433
G-123	Non-Participating Residence	364677	4904232
G-124	Non-Participating Residence	364705	4904280
G-V1	Vacant Lot Receptor	365716	4902081
G-V2	Vacant Lot Receptor	365815	4903679
G-V3	Vacant Lot Receptor	365869	4903674
G-V4	Vacant Lot Receptor	365914	4901591
G-V5	Vacant Lot Receptor	365941	4902083
G-V6	Vacant Lot Receptor	366142	4902441
G-V7	Vacant Lot Receptor	366166	4903597
G-V8	Vacant Lot Receptor	366322	4901596
G-V9	Vacant Lot Receptor	366608	4903463
G-V10	Vacant Lot Receptor	366831	4902540
G-V11	Vacant Lot Receptor	366935	4903303
G-V12	Vacant Lot Receptor	366949	4902598
G-V13	Vacant Lot Receptor	367100	4903207
G-V14	Vacant Lot Receptor	367178	4902711
G-V15	Vacant Lot Receptor	367269	4904080
G-V16	Vacant Lot Receptor	367453	4903195
G-V17	Vacant Lot Receptor	367516	4903272
G-V18	Vacant Lot Receptor	367733	4901892
G-V19	Vacant Lot Receptor	367843	4901854
G-V20	Vacant Lot Receptor	367894	4901897
G-V21	Vacant Lot Receptor	367956	4901954
W-R1	Non-Participating Residence	368453	4905661
W-R2	Non-Participating Residence	368445	4905583
W-R3	Non-Participating Residence	368760	4905510
W-R4	Non-Participating Residence	369206	4905337
W-R5	Non-Participating Residence	369339	4905291
W-R6	Non-Participating Residence	369271	4905238
W-R7	Non-Participating Residence	369400	4905175

Point of Reception		Coordinates	
ID	Description	UTM-X (m)	UTM-Y (m)
W-R8	Non-Participating Residence	369416	4905153
W-R9	Non-Participating Residence	369352	4905131
W-R10	Non-Participating Residence	369426	4905126
W-R11	Non-Participating Residence	369458	4905117
W-R12	Non-Participating Residence	369503	4905130
W-R13	Non-Participating Residence	369575	4905129
W-R14	Non-Participating Residence	369961	4904911
W-R15	Non-Participating Residence	369827	4906079
W-R16	Non-Participating Residence	370314	4906430
W-R17	Non-Participating Residence	370314	4906490
W-R18	Non-Participating Residence	370804	4907054
W-R19	Non-Participating Residence	370930	4907207
W-R20	Non-Participating Residence	370967	4907225
W-R21	Non-Participating Residence	370825	4907285
W-R22	Non-Participating Residence	369522	4905120
W-V1	Vacant Lot Receptor	368414	4906049
W-V2	Vacant Lot Receptor	368508	4906042
W-V3	Vacant Lot Receptor	369878	4906079
W-V4	Vacant Lot Receptor	370318	4906716
W-V7	Vacant Lot Receptor	370468	4906874
W-V8	Vacant Lot Receptor	370670	4906952
W-V11	Vacant Lot Receptor	369215	4908086
W-V13	Vacant Lot Receptor	369147	4905546
W-V14	Vacant Lot Receptor	369794	4908129
W-V15	Vacant Lot Receptor	369215	4905469
W-V16	Vacant Lot Receptor	369991	4905253
W-V17	Vacant Lot Receptor	370902	4907096
W-V18	Vacant Lot Receptor	369098	4908093
W-V19	Vacant Lot Receptor	369899	4908142

Note: The initial letter for each receptor refers to the respective solar project (W: Westbrook, G: Gardiner Hwy 2, and S: Sol-Luce).

"Participating Residence" – receptors that are on the same lot as the proposed project components and are participating in the project.

7. Procedure for Assessing Noise Impacts at Each POR

7.1 Method Selection Factors

The worst-case noise emission scenario at each POR was modeled using the CADNA/A software program from DataKustik GmbH. The outdoor noise propagation model is based on ISO 9613, Part 1: Calculation of the absorption of sound by the atmosphere, 1993 and Part 2: General method of calculation (ISO-9613-2: 1996). The model is capable of incorporating various site-specific features such as elevation, berms, ground absorption and barriers to accurately predict noise levels at specific receptors, pertaining to noise emissions from a particular source(s). Graphical outputs generated by the CADNA/A noise model, showing the noise level contours are presented in Figures 4 and 5 for 1.5m and 4.5m receptor heights, respectively.

7.2 Ambient Determination

No on-site measurements were made to assess the background ambient noise level at the noise-sensitive receptors. Therefore, the MOE's default daytime and nighttime criteria for a Class 3 Area were used for this assessment.

7.3 Parameter/Assumptions for Calculations

Manufacturer-specified noise data and calculated noise levels were used in the CADNA/A software to model the noise impact at each Point of Reception (POR). Also incorporated in the modelling was the site layout for the project. The noise impact for each receptor was modelled assuming the worst-case noise emission scenario at the site. The significant noise sources for the facility include:

- Inverters Stations; and,
- Substation Transformer.

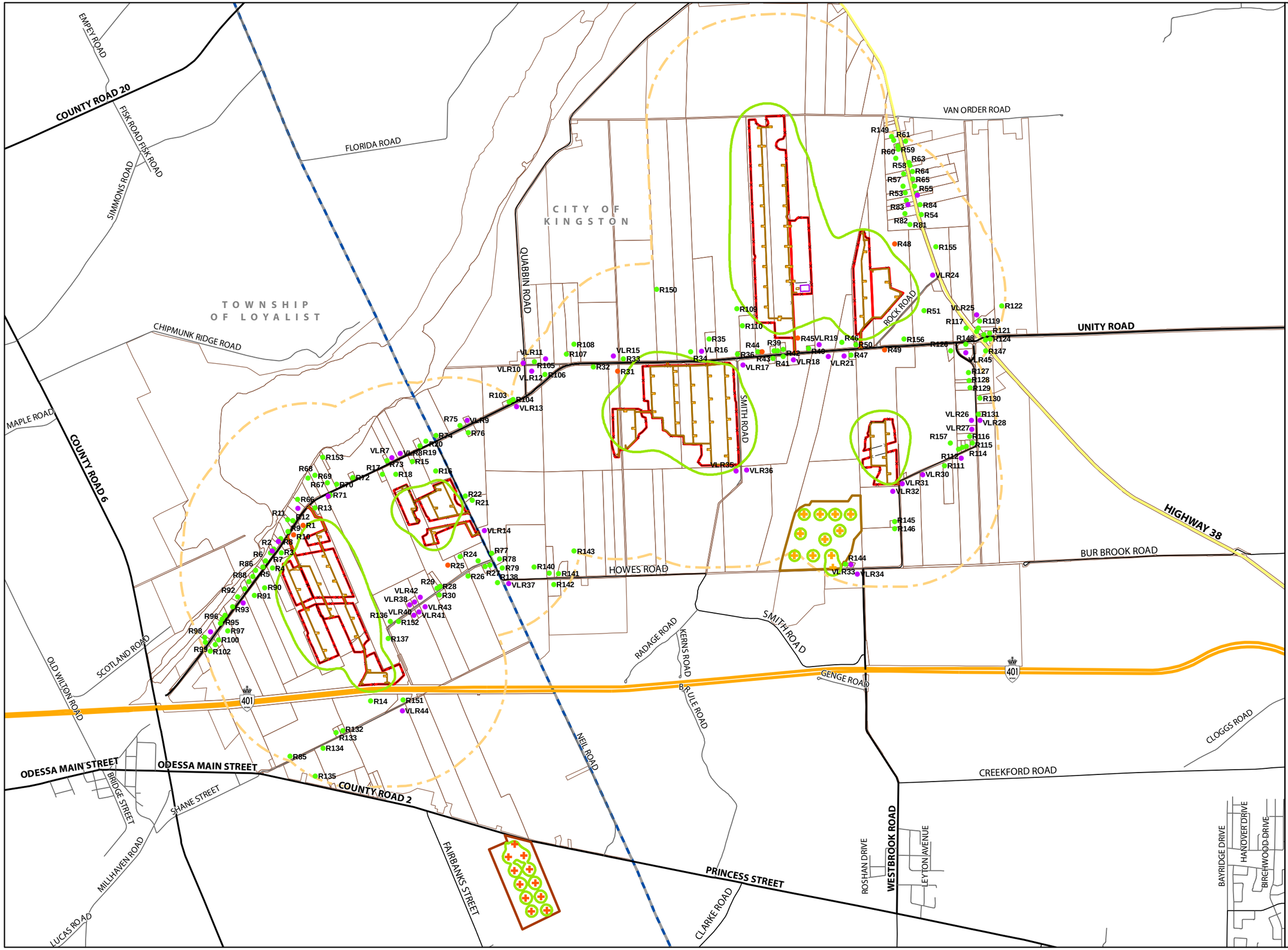
Inverter Stations – For the Sol-Luce Kingston Solar PV Energy Project, there are 78 Medium Voltage (MV) Inverter Stations, 70 of which consist of two (2) 800 kW inverters and one (1) 1.6 MVA inverter transformer and eight (8) of them consist of one (1) 800 kW inverter and one (1) 0.8 MVA inverter transformer. In all cases, the inverters will each be contained in a cabinet (as per the specifications presented in Appendix A) and a secondary enclosure. The components are

expected to be operational primarily during the daytime period; however, to be conservative the contributions from these sources were also included in the nighttime scenario. The inverter transformers (0.8 MVA and 1.6 MVA) were modeled using calculated transformer sound power spectrum based on the NEMA (noise) rating provided by the manufacturer and IEEE calculation (see Appendix A). As per the MOE requirement, a 5 dB tonal penalty was added to the inverter and inverter transformer noise spectrums for the tonal aspect of the noise generated by these sources. The inverter units were modeled as point sources with hemi-spherical spreading.

Substation Transformer – The substation transformer were modeled using calculated transformer sound power spectrum based on the NEMA (noise) rating provided by the manufacturer and the calculation used in the previously approved version of the NSR for the project (see Appendix A). A 5 dB tonal penalty was also added to the transformer noise spectrum. Like the inverter units, the transformers were conservatively modeled using the same data for nighttime as for daytime. The transformers were modeled as point sources with hemi-spherical spreading.

Sol-luce Kingston Solar PV Energy Project

Figure 4
Predicted Noise Level Contours at 1.5m Height



- Non-Participating Noise Receptor
- Participating Noise Receptor
- Vacant Lot Receptor
- Kingston Gardiner Hwy2 Noise Source
- SunE Westbrook Noise Source
- 40 dBA Noise Contour at 1.5 m Height
- Kingston Gardiner Hwy 2 South Solar Farm
- SunE Westbrook Solar Farm
- 1000 m Project Setback
- Freeway
- Expressway / Highway
- Arterial Road
- Collector Road
- Local Road
- Project Boundary
- Parcel Boundary

N
W E
S

1:35,000

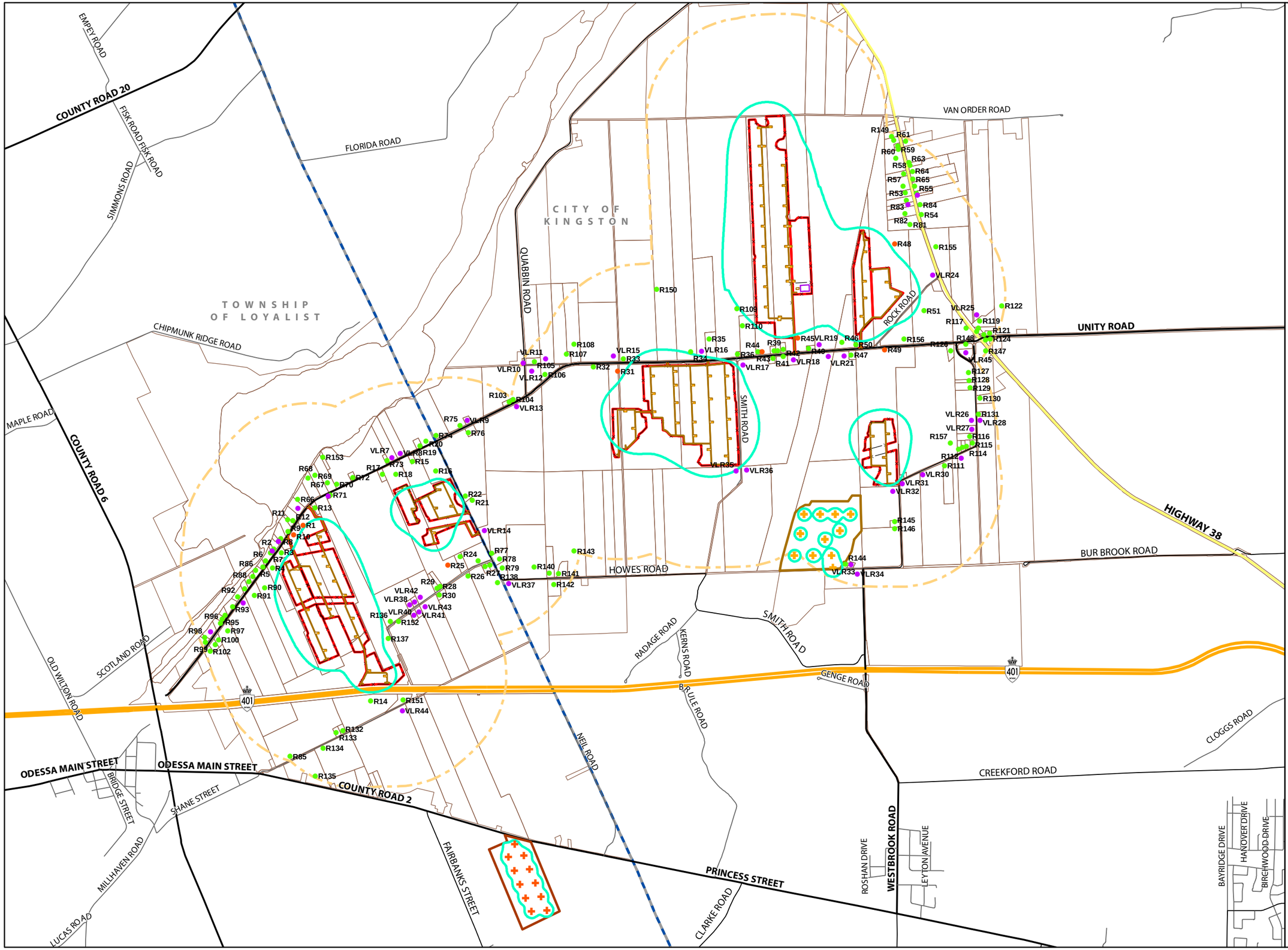
0 200 400 600 m

DILLON CONSULTING

Created By: GM
Checked By: JLP
Date Created: 9/17/2013
Date Modified: 12/12/2013
File Path:I:\GIS\138504 Kingston Solar REA Amendment\Mapping\Noise Assessment\

Sol-luce Kingston Solar PV Energy Project

Figure 4
Predicted Noise Level Contours at 4.5m Height



- Non-Participating Noise Receptor
- Participating Noise Receptor
- Vacant Lot Receptor
- Kingston Gardiner Hwy2 Noise Source
- SunE Westbrook Noise Source
- 40 dBA Noise Contour at 4.5 m Height
- Kingston Gardiner Hwy 2 South Solar Farm
- SunE Westbrook Solar Farm
- 1000 m Project Setback
- Freeway
- Expressway / Highway
- Arterial Road
- Collector Road
- Local Road
- Project Boundary
- Parcel Boundary

N
W E
S

1:35,000

0 200 400 600 m

DILLON CONSULTING

Created By: GM
Checked By: JLP
Date Created: 9/17/2013
Date Modified: 12/12/2013
File Path:I:\GIS\138504 Kingston Solar REA Amendment\Mapping\Noise Assessment\

Receptors – Conservatively, a receptor height of 4.5 metres representing a receiver in the plane of a second floor window (i.e., 2-storey dwelling) was assumed for all receptor locations.

Topography – There are topographical features that extend beyond the property boundary of the project sites, and can reduce the noise impact from the proposed projects. However, conservatively, topography was not included in the noise modelling.

Reflections – Conservatively, sources were modeled assuming a third order reflection.

Ground Absorption – For the noise modeling, a global ground absorption coefficient of 0.7 was used to represent the mostly absorptive, vegetated areas, between the onsite sources and receptors.

7.4 Point of Reception Noise Impact Tables

Tables 5 summarizes the partial noise levels (i.e., contribution from each of the onsite noise sources to the receptor noise levels) and corresponding source-receptor distance for the closest (most impacted) PORs in various directions for the Sol-Luce Kingston Solar PV Energy Project. The sound level at the POR accounts for attenuation by divergence (distance), barriers, ground effects and atmospheric absorption. This table gives the sum total of these attenuations for each source. Details of the noise modelling (CADNA output file), including partial levels for all the PORs are provided in Appendix B – CADNA\A Model Output. Graphical output generated by CADNA noise model, showing the noise level contours are presented in Figures 4 and 5 for 1.5m and 4.5m receptor heights, respectively.

Table 5: Point of Reception Beam Noise Impact Tables – Partial Levels (dBA)

VLR-16		SR137		SR109		SR50	
Source ID	Partial Level (dBA)	Source ID	Partial Level (dBA)	Source ID	Partial Level (dBA)	Source ID	Partial Level (dBA)
S_12_1_I	9.7	S_12_1_I	-4.8	S_12_1_I	10.2	S_12_1_I	19.6
S_12_1_T	1.6	S_12_1_T	-7.4	S_12_1_T	1.9	S_12_1_T	8.2
S_12_2_I	10.6	S_12_2_I	-4.3	S_12_2_I	10.9	S_12_2_I	19.8
S_12_2_T	2.1	S_12_2_T	-7.1	S_12_2_T	2.3	S_12_2_T	8.4
S_12_3_I	9.3	S_12_3_I	-4.4	S_12_3_I	9.4	S_12_3_I	17
S_12_3_T	1.2	S_12_3_T	-7.2	S_12_3_T	1.3	S_12_3_T	6.5
S_12_4_I	1.9	S_12_4_I	-10.5	S_12_4_I	1.9	S_12_4_I	8.1
S_12_4_T	0.7	S_12_4_T	-7.2	S_12_4_T	0.7	S_12_4_T	5.3
S_14A_1_I	22.3	S_14A_1_I	-7.2	S_14A_1_I	15.4	S_14A_1_I	8.2
S_14A_1_T	16.5	S_14A_1_T	-5.2	S_14A_1_T	11.1	S_14A_1_T	5.3
S_14A_10_I	23.2	S_14A_10_I	-5.8	S_14A_10_I	12.7	S_14A_10_I	4.5
S_14A_10_T	16.9	S_14A_10_T	-4.4	S_14A_10_T	8.9	S_14A_10_T	2.5
S_14A_11_I	22.6	S_14A_11_I	-6	S_14A_11_I	12.7	S_14A_11_I	5.5
S_14A_11_T	16.5	S_14A_11_T	-4.5	S_14A_11_T	8.8	S_14A_11_T	3.2
S_14A_12_I	27.1	S_14A_12_I	0.6	S_14A_12_I	18.5	S_14A_12_I	12
S_14A_12_T	13.3	S_14A_12_T	-4.3	S_14A_12_T	7.5	S_14A_12_T	3
S_14A_13_I	23.2	S_14A_13_I	1	S_14A_13_I	16.6	S_14A_13_I	11.5
S_14A_13_T	10.7	S_14A_13_T	-4	S_14A_13_T	6.1	S_14A_13_T	2.7
S_14A_14_I	21	S_14A_14_I	1.3	S_14A_14_I	15.3	S_14A_14_I	11.1
S_14A_14_T	9.2	S_14A_14_T	-3.8	S_14A_14_T	5.2	S_14A_14_T	2.4
S_14A_2_I	17.8	S_14A_2_I	-6.7	S_14A_2_I	12.4	S_14A_2_I	7.7
S_14A_2_T	13.1	S_14A_2_T	-5	S_14A_2_T	8.7	S_14A_2_T	4.9
S_14A_3_I	22.8	S_14A_3_I	-0.2	S_14A_3_I	17.6	S_14A_3_I	14.1
S_14A_3_T	10.4	S_14A_3_T	-4.7	S_14A_3_T	6.9	S_14A_3_T	4.4
S_14A_4_I	20	S_14A_4_I	0.2	S_14A_4_I	15.6	S_14A_4_I	13.2
S_14A_4_T	8.5	S_14A_4_T	-4.5	S_14A_4_T	5.5	S_14A_4_T	3.8
S_14A_5_I	10.5	S_14A_5_I	-5.5	S_14A_5_I	7	S_14A_5_I	5.3
S_14A_5_T	7.1	S_14A_5_T	-4.2	S_14A_5_T	4.4	S_14A_5_T	3.1
S_14A_6_I	19.1	S_14A_6_I	1.2	S_14A_6_I	14.3	S_14A_6_I	11.3
S_14A_6_T	7.9	S_14A_6_T	-3.9	S_14A_6_T	4.6	S_14A_6_T	2.6
S_14A_7_I	23.1	S_14A_7_I	0.5	S_14A_7_I	17.1	S_14A_7_I	12.7
S_14A_7_T	10.6	S_14A_7_T	-4.3	S_14A_7_T	6.5	S_14A_7_T	3.5
S_14A_8_I	28	S_14A_8_I	0	S_14A_8_I	19.7	S_14A_8_I	13.4
S_14A_8_T	13.9	S_14A_8_T	-4.6	S_14A_8_T	8.3	S_14A_8_T	4
S_14A_9_I	25.7	S_14A_9_I	-6.7	S_14A_9_I	14.7	S_14A_9_I	6.9
S_14A_9_T	18.8	S_14A_9_T	-4.9	S_14A_9_T	10.5	S_14A_9_T	4.3
S_14B_1_I	29.7	S_14B_1_I	0.7	S_14B_1_I	19.2	S_14B_1_I	11.1
S_14B_1_T	14.9	S_14B_1_T	-4.2	S_14B_1_T	7.9	S_14B_1_T	2.4
S_14B_2_I	25.9	S_14B_2_I	1.1	S_14B_2_I	17.6	S_14B_2_I	10.8

VLR-16		SR137		SR109		SR50	
Source ID	Partial Level (dBA)	Source ID	Partial Level (dBA)	Source ID	Partial Level (dBA)	Source ID	Partial Level (dBA)
S_14B_2_T	12.5	S_14B_2_T	-3.9	S_14B_2_T	6.8	S_14B_2_T	2.2
S_14B_3_I	22.4	S_14B_3_I	1.6	S_14B_3_I	15.8	S_14B_3_I	10.4
S_14B_3_T	10.2	S_14B_3_T	-3.6	S_14B_3_T	5.6	S_14B_3_T	1.9
S_14B_4_I	22.2	S_14B_4_I	2.1	S_14B_4_I	15.4	S_14B_4_I	9.2
S_14B_4_T	10	S_14B_4_T	-3.4	S_14B_4_T	5.3	S_14B_4_T	1.2
S_14B_5_I	24.5	S_14B_5_I	1.6	S_14B_5_I	16.8	S_14B_5_I	9.5
S_14B_5_T	11.6	S_14B_5_T	-3.7	S_14B_5_T	6.3	S_14B_5_T	1.3
S_14B_6_I	26.5	S_14B_6_I	1.1	S_14B_6_I	18	S_14B_6_I	9.7
S_14B_6_T	12.9	S_14B_6_T	-3.9	S_14B_6_T	7.1	S_14B_6_T	1.5
S_14C_1_I	18.5	S_14C_1_I	3.3	S_14C_1_I	13.1	S_14C_1_I	7.6
S_14C_1_T	7.5	S_14C_1_T	-2.6	S_14C_1_T	3.8	S_14C_1_T	0.2
S_14C_2_I	19.3	S_14C_2_I	3	S_14C_2_I	13.7	S_14C_2_I	7.5
S_14C_2_T	8.1	S_14C_2_T	-2.8	S_14C_2_T	4.2	S_14C_2_T	0.1
S_19_1_I	-1.8	S_19_1_I	6.3	S_19_1_I	-4	S_19_1_I	-7.6
S_19_1_T	-1.9	S_19_1_T	3.8	S_19_1_T	-3.3	S_19_1_T	-5.5
S_19_2_I	-1.7	S_19_2_I	7.1	S_19_2_I	-4	S_19_2_I	-7.4
S_19_2_T	-1.8	S_19_2_T	4.4	S_19_2_T	-3.3	S_19_2_T	-5.4
S_19_3_I	4	S_19_3_I	14.8	S_19_3_I	1.6	S_19_3_I	-1.8
S_19_3_T	-2.2	S_19_3_T	4.9	S_19_3_T	-3.7	S_19_3_T	-5.7
S_19_5_I	0.3	S_19_5_I	14.2	S_19_5_I	-2	S_19_5_I	-5.2
S_19_5_T	-1.8	S_19_5_T	7.4	S_19_5_T	-3.2	S_19_5_T	-5.1
S_2_1_I	10.2	S_2_1_I	-6.9	S_2_1_I	13.6	S_2_1_I	23.5
S_2_1_T	1.8	S_2_1_T	-8.6	S_2_1_T	4.1	S_2_1_T	10.9
S_2_2_I	9.9	S_2_2_I	-6.9	S_2_2_I	13	S_2_2_I	24.8
S_2_2_T	1.6	S_2_2_T	-8.6	S_2_2_T	3.7	S_2_2_T	11.8
S_20_1_I	3	S_20_1_I	15.5	S_20_1_I	0.8	S_20_1_I	-2.6
S_20_1_T	-2.8	S_20_1_T	5.4	S_20_1_T	-4.2	S_20_1_T	-6.2
S_21_1_I	-3.9	S_21_1_I	13.4	S_21_1_I	-5.7	S_21_1_I	-8.7
S_21_1_T	-4.3	S_21_1_T	6.9	S_21_1_T	-5.3	S_21_1_T	-7
S_21_2_I	-1.1	S_21_2_I	18.4	S_21_2_I	-2.9	S_21_2_I	-5.8
S_21_2_T	-5.3	S_21_2_T	7.4	S_21_2_T	-6.3	S_21_2_T	-8
S_21_3_I	-1.1	S_21_3_I	19.7	S_21_3_I	-3	S_21_3_I	-5.8
S_21_3_T	-5.3	S_21_3_T	8.3	S_21_3_T	-6.4	S_21_3_T	-8
S_21_4_I	-1.2	S_21_4_I	21.9	S_21_4_I	-3.1	S_21_4_I	-5.8
S_21_4_T	-5.3	S_21_4_T	9.9	S_21_4_T	-6.4	S_21_4_T	-8
S_21_5_I	-4.1	S_21_5_I	22.1	S_21_5_I	-6	S_21_5_I	-8.7
S_21_5_T	-4.4	S_21_5_T	12.9	S_21_5_T	-5.5	S_21_5_T	-7
S_21_6_I	-1.4	S_21_6_I	30.5	S_21_6_I	-3.3	S_21_6_I	-5.8
S_21_6_T	-5.5	S_21_6_T	15.4	S_21_6_T	-6.6	S_21_6_T	-8
S_21_7_I	-1.7	S_21_7_I	33.4	S_21_7_I	-3.6	S_21_7_I	-6
S_21_7_T	-5.7	S_21_7_T	17.3	S_21_7_T	-6.7	S_21_7_T	-8.1

VLR-16		SR137		SR109		SR50	
Source ID	Partial Level (dBA)	Source ID	Partial Level (dBA)	Source ID	Partial Level (dBA)	Source ID	Partial Level (dBA)
S_22_1_I	-1.7	S_22_1_I	20.6	S_22_1_I	-3.5	S_22_1_I	-6.2
S_22_1_T	-5.7	S_22_1_T	8.9	S_22_1_T	-6.7	S_22_1_T	-8.2
S_22_2_I	-4.9	S_22_2_I	21.3	S_22_2_I	-6.7	S_22_2_I	-9.2
S_22_2_T	-4.9	S_22_2_T	12.3	S_22_2_T	-5.9	S_22_2_T	-7.3
S_23_1_I	-8.3	S_23_1_I	9.8	S_23_1_I	-10	S_23_1_I	-12.8
S_23_1_T	-5.9	S_23_1_T	6.5	S_23_1_T	-6.9	S_23_1_T	-8.5
S_23_2_I	-2.4	S_23_2_I	18.8	S_23_2_I	-4.2	S_23_2_I	-6.8
S_23_2_T	-6.1	S_23_2_T	7.6	S_23_2_T	-7.1	S_23_2_T	-8.5
S_23_3_I	-2.5	S_23_3_I	21	S_23_3_I	-4.3	S_23_3_I	-6.8
S_23_3_T	-6.1	S_23_3_T	9.1	S_23_3_T	-7.1	S_23_3_T	-8.5
S_23_4_I	-2.7	S_23_4_I	23.3	S_23_4_I	-4.5	S_23_4_I	-6.9
S_23_4_T	-6.2	S_23_4_T	10.7	S_23_4_T	-7.2	S_23_4_T	-8.6
S_23_5_I	-5.9	S_23_5_I	21.5	S_23_5_I	-7.6	S_23_5_I	-9.9
S_23_5_T	-5.4	S_23_5_T	12.4	S_23_5_T	-6.4	S_23_5_T	-7.7
S_24_1_I	-8.1	S_24_1_I	21.7	S_24_1_I	-9.9	S_24_1_I	-12
S_24_1_T	-5.8	S_24_1_T	16	S_24_1_T	-6.8	S_24_1_T	-8
S_24_2_I	-2.2	S_24_2_I	31.5	S_24_2_I	-4	S_24_2_I	-6.1
S_24_2_T	-5.9	S_24_2_T	16	S_24_2_T	-7	S_24_2_T	-8.2
S_25A_1_I	7.8	S_25A_1_I	-7.6	S_25A_1_I	11.1	S_25A_1_I	7.9
S_25A_1_T	0.3	S_25A_1_T	-9	S_25A_1_T	2.4	S_25A_1_T	0.3
S_25A_10_I	13	S_25A_10_I	-9.9	S_25A_10_I	20.1	S_25A_10_I	13.6
S_25A_10_T	9.1	S_25A_10_T	-6.8	S_25A_10_T	14.7	S_25A_10_T	9.7
S_25A_11_I	13.2	S_25A_11_I	-9.8	S_25A_11_I	20.1	S_25A_11_I	13.6
S_25A_11_T	9.3	S_25A_11_T	-6.8	S_25A_11_T	14.7	S_25A_11_T	9.7
S_25A_2_I	6.1	S_25A_2_I	-10.1	S_25A_2_I	9.6	S_25A_2_I	5.8
S_25A_2_T	2	S_25A_2_T	-7.8	S_25A_2_T	4.3	S_25A_2_T	1.8
S_25A_3_I	9.8	S_25A_3_I	-7	S_25A_3_I	13.8	S_25A_3_I	10.5
S_25A_3_T	1.6	S_25A_3_T	-8.7	S_25A_3_T	4.2	S_25A_3_T	2
S_25A_4_I	11.1	S_25A_4_I	-6.6	S_25A_4_I	15.5	S_25A_4_I	11.8
S_25A_4_T	2.4	S_25A_4_T	-8.4	S_25A_4_T	5.4	S_25A_4_T	2.9
S_25A_5_I	12.4	S_25A_5_I	-6.2	S_25A_5_I	17.4	S_25A_5_I	13.3
S_25A_5_T	3.3	S_25A_5_T	-8.2	S_25A_5_T	6.7	S_25A_5_T	3.9
S_25A_6_I	13.8	S_25A_6_I	-5.8	S_25A_6_I	19.5	S_25A_6_I	14.9
S_25A_6_T	4.2	S_25A_6_T	-8	S_25A_6_T	8.1	S_25A_6_T	5
S_25A_7_I	15.2	S_25A_7_I	-5.3	S_25A_7_I	21.8	S_25A_7_I	16.6
S_25A_7_T	5.2	S_25A_7_T	-7.7	S_25A_7_T	9.7	S_25A_7_T	6.2
S_25A_8_I	16.6	S_25A_8_I	-4.9	S_25A_8_I	24.2	S_25A_8_I	18.5
S_25A_8_T	6.2	S_25A_8_T	-7.5	S_25A_8_T	11.4	S_25A_8_T	7.5
S_25A_9_I	17.7	S_25A_9_I	-4.7	S_25A_9_I	25.8	S_25A_9_I	19.8
S_25A_9_T	6.9	S_25A_9_T	-7.3	S_25A_9_T	12.4	S_25A_9_T	8.4
S_25B_1_I	5.1	S_25B_1_I	-10.4	S_25B_1_I	8.3	S_25B_1_I	4.7

VLR-16		SR137		SR109		SR50	
Source ID	Partial Level (dBA)	Source ID	Partial Level (dBA)	Source ID	Partial Level (dBA)	Source ID	Partial Level (dBA)
S_25B_1_T	1.3	S_25B_1_T	-8	S_25B_1_T	3.4	S_25B_1_T	1.1
S_25B_10_I	14	S_25B_10_I	-9.7	S_25B_10_I	24.6	S_25B_10_I	11.6
S_25B_10_T	9.9	S_25B_10_T	-6.7	S_25B_10_T	17.8	S_25B_10_T	8
S_25B_2_I	9.2	S_25B_2_I	-7	S_25B_2_I	12.6	S_25B_2_I	8.7
S_25B_2_T	1.1	S_25B_2_T	-8.7	S_25B_2_T	3.5	S_25B_2_T	0.8
S_25B_3_I	10.4	S_25B_3_I	-6.6	S_25B_3_I	14.2	S_25B_3_I	9.8
S_25B_3_T	1.9	S_25B_3_T	-8.4	S_25B_3_T	4.5	S_25B_3_T	1.6
S_25B_4_I	11.7	S_25B_4_I	-6.2	S_25B_4_I	16.1	S_25B_4_I	11.1
S_25B_4_T	2.8	S_25B_4_T	-8.2	S_25B_4_T	5.8	S_25B_4_T	2.4
S_25B_5_I	13.2	S_25B_5_I	-5.7	S_25B_5_I	18.3	S_25B_5_I	12.4
S_25B_5_T	3.8	S_25B_5_T	-7.9	S_25B_5_T	7.3	S_25B_5_T	3.3
S_25B_6_I	14.8	S_25B_6_I	-5.3	S_25B_6_I	20.8	S_25B_6_I	13.7
S_25B_6_T	4.9	S_25B_6_T	-7.7	S_25B_6_T	9	S_25B_6_T	4.2
S_25B_7_I	16.5	S_25B_7_I	-4.9	S_25B_7_I	23.8	S_25B_7_I	15.2
S_25B_7_T	6.1	S_25B_7_T	-7.5	S_25B_7_T	11.1	S_25B_7_T	5.2
S_25B_8_I	18.3	S_25B_8_I	-4.4	S_25B_8_I	27.6	S_25B_8_I	16.6
S_25B_8_T	7.3	S_25B_8_T	-7.2	S_25B_8_T	13.6	S_25B_8_T	6.2
S_25B_9_I	20.2	S_25B_9_I	-4	S_25B_9_I	32.1	S_25B_9_I	18
S_25B_9_T	8.6	S_25B_9_T	-7	S_25B_9_T	16.3	S_25B_9_T	7.2
S_3_1_I	10.6	S_3_1_I	-7	S_3_1_I	14.7	S_3_1_I	19.8
S_3_1_T	2.1	S_3_1_T	-8.6	S_3_1_T	4.9	S_3_1_T	8.4
S_3_2_I	11.6	S_3_2_I	-6.4	S_3_2_I	15.6	S_3_2_I	24.5
S_3_2_T	2.8	S_3_2_T	-8.3	S_3_2_T	5.5	S_3_2_T	11.6
S_3_3_I	12	S_3_3_I	-6.2	S_3_3_I	15.7	S_3_3_I	28.3
S_3_3_T	3.1	S_3_3_T	-8.2	S_3_3_T	5.6	S_3_3_T	14.1
S_3_4_I	12.7	S_3_4_I	-5.8	S_3_4_I	16.1	S_3_4_I	34.9
S_3_4_T	3.5	S_3_4_T	-8	S_3_4_T	5.8	S_3_4_T	18.1
S_4_1_I	13.5	S_4_1_I	-5.9	S_4_1_I	19.2	S_4_1_I	15.1
S_4_1_T	4.1	S_4_1_T	-8	S_4_1_T	8	S_4_1_T	5.1
S_4_2_I	14.9	S_4_2_I	-5.4	S_4_2_I	21.4	S_4_2_I	16.9
S_4_2_T	5	S_4_2_T	-7.8	S_4_2_T	9.5	S_4_2_T	6.3
S_4_3_I	16.3	S_4_3_I	-5	S_4_3_I	23.6	S_4_3_I	18.8
S_4_3_T	6	S_4_3_T	-7.5	S_4_3_T	11	S_4_3_T	7.6
S_4_4_I	14.1	S_4_4_I	-7.8	S_4_4_I	21.7	S_4_4_I	17.4
S_4_4_T	7.4	S_4_4_T	-6.5	S_4_4_T	12.7	S_4_4_T	9.7
S_Substation	9.3	S_Substation	-10.8	S_Substation	14.9	S_Substation	14.2
G_Sub	-7.3	G_Sub	3.1	G_Sub	-8.7	G_Sub	-9.3
G_Inv1	-7	G_Inv1	3.1	G_Inv1	-8.3	G_Inv1	-8.9
G_Inv2	-6.8	G_Inv2	2.8	G_Inv2	-8.1	G_Inv2	-8.7
G_Inv3	-7.2	G_Inv3	2.5	G_Inv3	-8.6	G_Inv3	-9.1
G_Inv4	-7.1	G_Inv4	2.2	G_Inv4	-8.4	G_Inv4	-8.9

VLR-16		SR137		SR109		SR50	
Source ID	Partial Level (dBA)	Source ID	Partial Level (dBA)	Source ID	Partial Level (dBA)	Source ID	Partial Level (dBA)
G_Inv5	-7.5	G_Inv5	1.8	G_Inv5	-8.8	G_Inv5	-9.3
G_Inv6	-7.4	G_Inv6	1.5	G_Inv6	-8.7	G_Inv6	-9.1
G_Inv7	-7.8	G_Inv7	1.2	G_Inv7	-9.1	G_Inv7	-9.6
G_Inv8	-7.7	G_Inv8	0.9	G_Inv8	-9	G_Inv8	-9.3
G_Inv9	-8.1	G_Inv9	0.6	G_Inv9	-9.4	G_Inv9	-9.8
G_Inv10	-8	G_Inv10	0.3	G_Inv10	-9.2	G_Inv10	-9.6
W_H1T	-6.3	W_H1T	-15.2	W_H1T	-7.5	W_H1T	-4.6
W_H1I1	-3.7	W_H1I1	-12.2	W_H1I1	-4.8	W_H1I1	-2
W_H1I2	-3.7	W_H1I2	-12.2	W_H1I2	-4.8	W_H1I2	-2
W_H2T	-5.8	W_H2T	-14.5	W_H2T	-7.2	W_H2T	-4.8
W_H2I1	-3.1	W_H2I1	-11.6	W_H2I1	-4.5	W_H2I1	-2.2
W_H2I2	-3.1	W_H2I2	-11.6	W_H2I2	-4.5	W_H2I2	-2.2
W_H3T	-5.3	W_H3T	-13.9	W_H3T	-6.9	W_H3T	-5.1
W_H3I1	-2.7	W_H3I1	-11	W_H3I1	-4.3	W_H3I1	-2.4
W_H3I2	-2.7	W_H3I2	-11	W_H3I2	-4.3	W_H3I2	-2.4
W_H4T	-3.4	W_H4T	-14.6	W_H4T	-4.9	W_H4T	-2.4
W_H4I1	-0.7	W_H4I1	-11.6	W_H4I1	-2.2	W_H4I1	0.3
W_H4I2	-0.7	W_H4I2	-11.6	W_H4I2	-2.2	W_H4I2	0.3
W_H5T	-5.1	W_H5T	-16.1	W_H5T	-5.9	W_H5T	-1.8
W_H5I1	-2.5	W_H5I1	-13	W_H5I1	-3.3	W_H5I1	0.8
W_H5I2	-2.5	W_H5I2	-13	W_H5I2	-3.3	W_H5I2	0.8
W_H6T	-5.5	W_H6T	-15.6	W_H6T	-6.5	W_H6T	-3
W_H6I1	-2.8	W_H6I1	-12.6	W_H6I1	-3.8	W_H6I1	-0.4
W_H6I2	-2.8	W_H6I2	-12.6	W_H6I2	-3.8	W_H6I2	-0.4
W_H7T	-4.5	W_H7T	-15.6	W_H7T	-5.5	W_H7T	-1.9
W_H7I1	-1.9	W_H7I1	-12.6	W_H7I1	-2.9	W_H7I1	0.7
W_H7I2	-1.9	W_H7I2	-12.6	W_H7I2	-2.9	W_H7I2	0.7
W_H8T	-4	W_H8T	-15.1	W_H8T	-5.2	W_H8T	-2.1
W_H8I1	-1.3	W_H8I1	-12.1	W_H8I1	-2.5	W_H8I1	0.5
W_H8I2	-1.3	W_H8I2	-12.1	W_H8I2	-2.5	W_H8I2	0.5
W_H9T	-4.3	W_H9T	-14.3	W_H9T	-5.9	W_H9T	-3.7
W_H9I1	-1.7	W_H9I1	-11.3	W_H9I1	-3.2	W_H9I1	-1
W_H9I2	-1.7	W_H9I2	-11.3	W_H9I2	-3.2	W_H9I2	-1
W_H10T	-5.3	W_H10T	-15.1	W_H10T	-6.6	W_H10T	-3.7
W_H10I1	-2.7	W_H10I1	-12.1	W_H10I1	-3.9	W_H10I1	-1
W_H10I2	-2.7	W_H10I2	-12.1	W_H10I2	-3.9	W_H10I2	-1
W_ST	5.4	W_ST	-2.8	W_ST	4.2	W_ST	7

8. Acoustic Assessment Summary

8.1 Acoustic Assessment Summary Table

Table 6 summarizes the compliance of the proposed Sol-Luce Kingston Solar PV Energy project with the applicable Sound Level Performance Limits at the designated Points of Reception. The performance limits in the table reflect the applicable sound level limits in the MOE Publication NPC-232 for Class 3 Areas.

Table 6: Acoustic Assessment Summary Table

Point of Reception		Sound Level at POR (dBA, Leq)*	Verified by Acoustic Audit (Yes/No)	Performance Limit		
ID	Description			Daytime (dBA)	Nighttime (dBA)	Compliance (Yes/No)
S-R1	Participating Residence	38.9	No	45	40	Yes
S-R2	Non-Participating Residence	35.8	No	45	40	Yes
S-R3	Non-Participating Residence	37.7	No	45	40	Yes
S-R4	Non-Participating Residence	37.5	No	45	40	Yes
S-R5	Non-Participating Residence	35.3	No	45	40	Yes
S-R6	Non-Participating Residence	35.4	No	45	40	Yes
S-R7	Non-Participating Residence	35.6	No	45	40	Yes
S-R8	Non-Participating Residence	35.8	No	45	40	Yes
S-R9	Non-Participating Residence	36.3	No	45	40	Yes
S-R10	Participating Residence	38.1	No	45	40	Yes
S-R11	Non-Participating Residence	34.6	No	45	40	Yes
S-R12	Non-Participating Residence	35.6	No	45	40	Yes
S-R13	Non-Participating Residence	35.6	No	45	40	Yes
S-R14	Non-Participating Residence	36.3	No	45	40	Yes
S-R15	Non-Participating Residence	32.9	No	45	40	Yes
S-R16	Non-Participating Residence	36	No	45	40	Yes
S-R17	Non-Participating Residence	32.7	No	45	40	Yes
S-R18	Non-Participating Residence	34.1	No	45	40	Yes
S-R19	Non-Participating Residence	30.6	No	45	40	Yes
S-R20	Non-Participating Residence	30.1	No	45	40	Yes
S-R21	Non-Participating Residence	35.5	No	45	40	Yes
S-R22	Non-Participating Residence	37.3	No	45	40	Yes
S-R23	Non-Participating Residence	30.9	No	45	40	Yes
S-R24	Non-Participating Residence	33.6	No	45	40	Yes
S-R25	Participating Residence	33.8	No	45	40	Yes

Point of Reception		Sound Level at POR (dBA, Leq)*	Verified by Acoustic Audit (Yes/No)	Performance Limit		
ID	Description			Daytime (dBA)	Nighttime (dBA)	Compliance (Yes/No)
S-R26	Non-Participating Residence	30.6	No	45	40	Yes
S-R27	Non-Participating Residence	29.9	No	45	40	Yes
S-R28	Non-Participating Residence	31.8	No	45	40	Yes
S-R29	Non-Participating Residence	31.8	No	45	40	Yes
S-R30	Non-Participating Residence	31.3	No	45	40	Yes
S-R31	Participating Residence	38.1	No	45	40	Yes
S-R32	Non-Participating Residence	34	No	45	40	Yes
S-R33	Non-Participating Residence	37.5	No	45	40	Yes
S-R34	Non-Participating Residence	39	No	45	40	Yes
S-R35	Non-Participating Residence	36.7	No	45	40	Yes
S-R36	Non-Participating Residence	37.3	No	45	40	Yes
S-R37	Non-Participating Residence	36.1	No	45	40	Yes
S-R38	Non-Participating Residence	36.1	No	45	40	Yes
S-R39	Non-Participating Residence	36.1	No	45	40	Yes
S-R40	Non-Participating Residence	35.5	No	45	40	Yes
S-R41	Non-Participating Residence	35.7	No	45	40	Yes
S-R42	Non-Participating Residence	35.5	No	45	40	Yes
S-R43	Non-Participating Residence	36.3	No	45	40	Yes
S-R44	Participating Residence	36.2	No	45	40	Yes
S-R45	Participating Residence	36.9	No	45	40	Yes
S-R46	Non-Participating Residence	37.4	No	45	40	Yes
S-R47	Non-Participating Residence	35.7	No	45	40	Yes
S-R48	Participating Residence	38.2	No	45	40	Yes
S-R49	Participating Residence	35.7	No	45	40	Yes
S-R50	Non-Participating Residence	38	No	45	40	Yes
S-R51	Non-Participating Residence	36.9	No	45	40	Yes
S-R52	Non-Participating Residence	31.4	No	45	40	Yes
S-R53	Non-Participating Residence	31.2	No	45	40	Yes
S-R54	Non-Participating Residence	31.7	No	45	40	Yes
S-R55	Non-Participating Residence	30.7	No	45	40	Yes
S-R56	Non-Participating Residence	30.4	No	45	40	Yes
S-R57	Non-Participating Residence	30.4	No	45	40	Yes
S-R58	Non-Participating Residence	30.2	No	45	40	Yes
S-R59	Non-Participating Residence	29.6	No	45	40	Yes
S-R60	Non-Participating Residence	29.5	No	45	40	Yes
S-R61	Non-Participating Residence	29.5	No	45	40	Yes
S-R62	Non-Participating Residence	29.7	No	45	40	Yes

Point of Reception		Sound Level at POR (dBA, Leq)*	Verified by Acoustic Audit (Yes/No)	Performance Limit		
ID	Description			Daytime (dBA)	Nighttime (dBA)	Compliance (Yes/No)
S-R63	Non-Participating Residence	29.6	No	45	40	Yes
S-R64	Non-Participating Residence	29.8	No	45	40	Yes
S-R65	Non-Participating Residence	30.2	No	45	40	Yes
S-R66	Non-Participating Residence	32.6	No	45	40	Yes
S-R67	Non-Participating Residence	30.3	No	45	40	Yes
S-R68	Non-Participating Residence	30.1	No	45	40	Yes
S-R69	Non-Participating Residence	31.3	No	45	40	Yes
S-R70	Non-Participating Residence	31.5	No	45	40	Yes
S-R71	Non-Participating Residence	33	No	45	40	Yes
S-R72	Non-Participating Residence	31.1	No	45	40	Yes
S-R73	Non-Participating Residence	31.2	No	45	40	Yes
S-R74	Non-Participating Residence	29.4	No	45	40	Yes
S-R75	Non-Participating Residence	28.3	No	45	40	Yes
S-R76	Non-Participating Residence	28.6	No	45	40	Yes
S-R77	Non-Participating Residence	30.1	No	45	40	Yes
S-R78	Non-Participating Residence	29.1	No	45	40	Yes
S-R79	Non-Participating Residence	28.6	No	45	40	Yes
S-R80	Non-Participating Residence	29.6	No	45	40	Yes
S-R81	Non-Participating Residence	33.5	No	45	40	Yes
S-R82	Non-Participating Residence	33	No	45	40	Yes
S-R83	Non-Participating Residence	31.9	No	45	40	Yes
S-R84	Non-Participating Residence	31.1	No	45	40	Yes
S-R85	Non-Participating Residence	26	No	45	40	Yes
S-R86	Non-Participating Residence	34.2	No	45	40	Yes
S-R87	Non-Participating Residence	33.9	No	45	40	Yes
S-R88	Non-Participating Residence	33.4	No	45	40	Yes
S-R89	Non-Participating Residence	32.8	No	45	40	Yes
S-R90	Non-Participating Residence	36.8	No	45	40	Yes
S-R91	Non-Participating Residence	34.5	No	45	40	Yes
S-R92	Non-Participating Residence	31.8	No	45	40	Yes
S-R93	Non-Participating Residence	31	No	45	40	Yes
S-R94	Non-Participating Residence	29.9	No	45	40	Yes
S-R95	Non-Participating Residence	29.6	No	45	40	Yes
S-R96	Non-Participating Residence	29.3	No	45	40	Yes
S-R97	Non-Participating Residence	29.8	No	45	40	Yes
S-R98	Non-Participating Residence	27.4	No	45	40	Yes
S-R99	Non-Participating Residence	27.3	No	45	40	Yes

Point of Reception		Sound Level at POR (dBA, Leq)*	Verified by Acoustic Audit (Yes/No)	Performance Limit		
ID	Description			Daytime (dBA)	Nighttime (dBA)	Compliance (Yes/No)
S-R100	Non-Participating Residence	28.6	No	45	40	Yes
S-R101	Non-Participating Residence	28.1	No	45	40	Yes
S-R102	Non-Participating Residence	27.5	No	45	40	Yes
S-R103	Non-Participating Residence	27.9	No	45	40	Yes
S-R104	Non-Participating Residence	28	No	45	40	Yes
S-R105	Non-Participating Residence	28.5	No	45	40	Yes
S-R106	Non-Participating Residence	29.5	No	45	40	Yes
S-R107	Non-Participating Residence	30.5	No	45	40	Yes
S-R108	Non-Participating Residence	30.7	No	45	40	Yes
S-R109	Non-Participating Residence	38.1	No	45	40	Yes
S-R110	Non-Participating Residence	37.2	No	45	40	Yes
S-R111	Non-Participating Residence	30.8	No	45	40	Yes
S-R112	Non-Participating Residence	29.5	No	45	40	Yes
S-R113	Non-Participating Residence	29.1	No	45	40	Yes
S-R114	Non-Participating Residence	28.7	No	45	40	Yes
S-R115	Non-Participating Residence	28.2	No	45	40	Yes
S-R116	Non-Participating Residence	28.5	No	45	40	Yes
S-R117	Non-Participating Residence	29.7	No	45	40	Yes
S-R118	Non-Participating Residence	28.6	No	45	40	Yes
S-R119	Non-Participating Residence	28.6	No	45	40	Yes
S-R120	Non-Participating Residence	28.1	No	45	40	Yes
S-R121	Non-Participating Residence	27.7	No	45	40	Yes
S-R122	Non-Participating Residence	27	No	45	40	Yes
S-R123	Non-Participating Residence	27.9	No	45	40	Yes
S-R124	Non-Participating Residence	27.6	No	45	40	Yes
S-R125	Non-Participating Residence	29.3	No	45	40	Yes
S-R126	Non-Participating Residence	30.3	No	45	40	Yes
S-R127	Non-Participating Residence	28.6	No	45	40	Yes
S-R128	Non-Participating Residence	28.5	No	45	40	Yes
S-R129	Non-Participating Residence	28.4	No	45	40	Yes
S-R130	Non-Participating Residence	27.7	No	45	40	Yes
S-R131	Non-Participating Residence	27.8	No	45	40	Yes
S-R132	Non-Participating Residence	29.7	No	45	40	Yes
S-R133	Non-Participating Residence	29.4	No	45	40	Yes
S-R134	Non-Participating Residence	27.5	No	45	40	Yes
S-R135	Non-Participating Residence	25.2	No	45	40	Yes
S-R136	Non-Participating Residence	37.3	No	45	40	Yes

Point of Reception		Sound Level at POR (dBA, Leq)*	Verified by Acoustic Audit (Yes/No)	Performance Limit		
ID	Description			Daytime (dBA)	Nighttime (dBA)	Compliance (Yes/No)
S-R137	Non-Participating Residence	38.2	No	45	40	Yes
S-R138	Non-Participating Residence	28.3	No	45	40	Yes
S-R139	Non-Participating Residence	27.2	No	45	40	Yes
S-R140	Non-Participating Residence	26.7	No	45	40	Yes
S-R141	Non-Participating Residence	26.6	No	45	40	Yes
S-R142	Non-Participating Residence	26.4	No	45	40	Yes
S-R143	Non-Participating Residence	27.3	No	45	40	Yes
S-R144	Non-Participating Residence	37.7	No	45	40	Yes
S-R145	Non-Participating Residence	31.1	No	45	40	Yes
S-R146	Non-Participating Residence	30.6	No	45	40	Yes
S-R147	Non-Participating Residence	27.7	No	45	40	Yes
S-R148	Non-Participating Residence	28.7	No	45	40	Yes
S-R149	Non-Participating Residence	29.4	No	45	40	Yes
S-R150	Non-Participating Residence	32.3	No	45	40	Yes
S-R151	Non-Participating Residence	32.9	No	45	40	Yes
S-R152	Non-Participating Residence	35.7	No	45	40	Yes
S-R153	Non-Participating Residence	28.6	No	45	40	Yes
S-R154	Non-Participating Residence	28.8	No	45	40	Yes
S-R155	Non-Participating Residence	32.5	No	45	40	Yes
S-R156	Non-Participating Residence	35.6	No	45	40	Yes
S-R157	Non-Participating Residence	30.6	No	45	40	Yes
S-VLR1	Vacant Lot Receptor	28.1	No	45	40	Yes
S-VLR2	Vacant Lot Receptor	32.5	No	45	40	Yes
S-VLR3	Vacant Lot Receptor	35.6	No	45	40	Yes
S-VLR4	Vacant Lot Receptor	35.7	No	45	40	Yes
S-VLR5	Vacant Lot Receptor	34.1	No	45	40	Yes
S-VLR6	Vacant Lot Receptor	33.2	No	45	40	Yes
S-VLR7	Vacant Lot Receptor	31.2	No	45	40	Yes
S-VLR8	Vacant Lot Receptor	31	No	45	40	Yes
S-VLR9	Vacant Lot Receptor	27.9	No	45	40	Yes
S-VLR10	Vacant Lot Receptor	27.8	No	45	40	Yes
S-VLR11	Vacant Lot Receptor	29.1	No	45	40	Yes
S-VLR12	Vacant Lot Receptor	28.5	No	45	40	Yes
S-VLR13	Vacant Lot Receptor	28.3	No	45	40	Yes
S-VLR14	Vacant Lot Receptor	32.2	No	45	40	Yes
S-VLR15	Vacant Lot Receptor	35.5	No	45	40	Yes
S-VLR16	Vacant Lot Receptor	38.5	No	45	40	Yes

Point of Reception		Sound Level at POR (dBA, Leq)*	Verified by Acoustic Audit (Yes/No)	Performance Limit		
ID	Description			Daytime (dBA)	Nighttime (dBA)	Compliance (Yes/No)
S-VLR17	Vacant Lot Receptor	38	No	45	40	Yes
S-VLR18	Vacant Lot Receptor	35	No	45	40	Yes
S-VLR19	Vacant Lot Receptor	35.8	No	45	40	Yes
S-VLR20	Vacant Lot Receptor	35.4	No	45	40	Yes
S-VLR21	Vacant Lot Receptor	34.9	No	45	40	Yes
S-VLR22	Vacant Lot Receptor	32	No	45	40	Yes
S-VLR23	Vacant Lot Receptor	30.7	No	45	40	Yes
S-VLR24	Vacant Lot Receptor	34.9	No	45	40	Yes
S-VLR25	Vacant Lot Receptor	29	No	45	40	Yes
S-VLR26	Vacant Lot Receptor	28.3	No	45	40	Yes
S-VLR27	Vacant Lot Receptor	28.3	No	45	40	Yes
S-VLR28	Vacant Lot Receptor	27.6	No	45	40	Yes
S-VLR29	Vacant Lot Receptor	29	No	45	40	Yes
S-VLR30	Vacant Lot Receptor	33.9	No	45	40	Yes
S-VLR31	Vacant Lot Receptor	37.3	No	45	40	Yes
S-VLR32	Vacant Lot Receptor	36.5	No	45	40	Yes
S-VLR33	Vacant Lot Receptor	35.3	No	45	40	Yes
S-VLR34	Vacant Lot Receptor	32.8	No	45	40	Yes
S-VLR35	Vacant Lot Receptor	39.2	No	45	40	Yes
S-VLR36	Vacant Lot Receptor	37.8	No	45	40	Yes
S-VLR37	Vacant Lot Receptor	27.7	No	45	40	Yes
S-VLR38	Vacant Lot Receptor	33.7	No	45	40	Yes
S-VLR39	Vacant Lot Receptor	33.2	No	45	40	Yes
S-VLR40	Vacant Lot Receptor	33.3	No	45	40	Yes
S-VLR41	Vacant Lot Receptor	32.7	No	45	40	Yes
S-VLR42	Vacant Lot Receptor	32.7	No	45	40	Yes
S-VLR43	Vacant Lot Receptor	32.1	No	45	40	Yes
S-VLR44	Vacant Lot Receptor	31.3	No	45	40	Yes
S-VLR45	Vacant Lot Receptor	29.1	No	45	40	Yes
G-1	Non-Participating Residence	36	No	45	40	Yes
G-2	Non-Participating Residence	33.5	No	45	40	Yes
G-3	Non-Participating Residence	31.9	No	45	40	Yes
G-4	Non-Participating Residence	32.6	No	45	40	Yes
G-5	Non-Participating Residence	31.2	No	45	40	Yes
G-6	Non-Participating Residence	31	No	45	40	Yes
G-7	Non-Participating Residence	34.1	No	45	40	Yes
G-8	Non-Participating Residence	30.7	No	45	40	Yes

Point of Reception		Sound Level at POR (dBA, Leq)*	Verified by Acoustic Audit (Yes/No)	Performance Limit		
ID	Description			Daytime (dBA)	Nighttime (dBA)	Compliance (Yes/No)
G-9	Non-Participating Residence	30.2	No	45	40	Yes
G-10	Non-Participating Residence	33.2	No	45	40	Yes
G-11	Non-Participating Residence	29.8	No	45	40	Yes
G-12	Non-Participating Residence	31.9	No	45	40	Yes
G-13	Non-Participating Residence	29.2	No	45	40	Yes
G-14	Non-Participating Residence	31.5	No	45	40	Yes
G-15	Non-Participating Residence	28.4	No	45	40	Yes
G-16	Non-Participating Residence	29	No	45	40	Yes
G-17	Non-Participating Residence	28.7	No	45	40	Yes
G-18	Non-Participating Residence	28.2	No	45	40	Yes
G-19	Non-Participating Residence	28.3	No	45	40	Yes
G-20	Non-Participating Residence	28.3	No	45	40	Yes
G-21	Non-Participating Residence	28.4	No	45	40	Yes
G-22	Non-Participating Residence	28.3	No	45	40	Yes
G-23	Non-Participating Residence	27.9	No	45	40	Yes
G-24	Non-Participating Residence	28.2	No	45	40	Yes
G-25	Non-Participating Residence	28.1	No	45	40	Yes
G-26	Non-Participating Residence	27.2	No	45	40	Yes
G-27	Non-Participating Residence	27.2	No	45	40	Yes
G-28	Non-Participating Residence	27.6	No	45	40	Yes
G-29	Non-Participating Residence	27.2	No	45	40	Yes
G-30	Non-Participating Residence	27.4	No	45	40	Yes
G-31	Non-Participating Residence	25.5	No	45	40	Yes
G-32	Non-Participating Residence	26.8	No	45	40	Yes
G-33	Non-Participating Residence	26.3	No	45	40	Yes
G-34	Non-Participating Residence	26.7	No	45	40	Yes
G-35	Non-Participating Residence	25.7	No	45	40	Yes
G-36	Non-Participating Residence	25.7	No	45	40	Yes
G-37	Non-Participating Residence	26	No	45	40	Yes
G-38	Non-Participating Residence	25.8	No	45	40	Yes
G-39	Non-Participating Residence	24.5	No	45	40	Yes
G-40	Non-Participating Residence	26.1	No	45	40	Yes
G-41	Non-Participating Residence	24.3	No	45	40	Yes
G-42	Non-Participating Residence	25.7	No	45	40	Yes
G-43	Non-Participating Residence	26	No	45	40	Yes
G-44	Non-Participating Residence	25.1	No	45	40	Yes
G-45	Non-Participating Residence	23.9	No	45	40	Yes

Point of Reception		Sound Level at POR (dBA, Leq)*	Verified by Acoustic Audit (Yes/No)	Performance Limit		
ID	Description			Daytime (dBA)	Nighttime (dBA)	Compliance (Yes/No)
G-46	Non-Participating Residence	25	No	45	40	Yes
G-47	Non-Participating Residence	23.8	No	45	40	Yes
G-48	Non-Participating Residence	25.2	No	45	40	Yes
G-49	Non-Participating Residence	25	No	45	40	Yes
G-50	Non-Participating Residence	22.9	No	45	40	Yes
G-51	Non-Participating Residence	24.8	No	45	40	Yes
G-52	Non-Participating Residence	23.3	No	45	40	Yes
G-53	Non-Participating Residence	25.2	No	45	40	Yes
G-54	Non-Participating Residence	24.1	No	45	40	Yes
G-55	Non-Participating Residence	22.7	No	45	40	Yes
G-56	Non-Participating Residence	22.6	No	45	40	Yes
G-57	Non-Participating Residence	23.2	No	45	40	Yes
G-58	Non-Participating Residence	24.8	No	45	40	Yes
G-59	Non-Participating Residence	25	No	45	40	Yes
G-60	Non-Participating Residence	22.5	No	45	40	Yes
G-61	Non-Participating Residence	22.4	No	45	40	Yes
G-62	Non-Participating Residence	22.6	No	45	40	Yes
G-63	Non-Participating Residence	24.2	No	45	40	Yes
G-64	Non-Participating Residence	24.8	No	45	40	Yes
G-65	Non-Participating Residence	23.5	No	45	40	Yes
G-66	Non-Participating Residence	22	No	45	40	Yes
G-67	Non-Participating Residence	24.9	No	45	40	Yes
G-68	Non-Participating Residence	21.7	No	45	40	Yes
G-69	Non-Participating Residence	21.6	No	45	40	Yes
G-70	Non-Participating Residence	24.4	No	45	40	Yes
G-71	Non-Participating Residence	21.5	No	45	40	Yes
G-72	Non-Participating Residence	24.3	No	45	40	Yes
G-73	Non-Participating Residence	24.7	No	45	40	Yes
G-74	Non-Participating Residence	21.1	No	45	40	Yes
G-75	Non-Participating Residence	20.8	No	45	40	Yes
G-76	Non-Participating Residence	20.9	No	45	40	Yes
G-77	Non-Participating Residence	20.8	No	45	40	Yes
G-78	Non-Participating Residence	20.8	No	45	40	Yes
G-79	Non-Participating Residence	24.6	No	45	40	Yes
G-80	Non-Participating Residence	20.6	No	45	40	Yes
G-81	Non-Participating Residence	20.4	No	45	40	Yes
G-82	Non-Participating Residence	20.2	No	45	40	Yes

Point of Reception		Sound Level at POR (dBA, Leq)*	Verified by Acoustic Audit (Yes/No)	Performance Limit		
ID	Description			Daytime (dBA)	Nighttime (dBA)	Compliance (Yes/No)
G-83	Non-Participating Residence	20.3	No	45	40	Yes
G-84	Non-Participating Residence	20.2	No	45	40	Yes
G-85	Non-Participating Residence	20.2	No	45	40	Yes
G-86	Non-Participating Residence	20.1	No	45	40	Yes
G-87	Non-Participating Residence	24.7	No	45	40	Yes
G-88	Non-Participating Residence	20.1	No	45	40	Yes
G-89	Non-Participating Residence	20	No	45	40	Yes
G-90	Non-Participating Residence	20.2	No	45	40	Yes
G-91	Non-Participating Residence	19.9	No	45	40	Yes
G-92	Non-Participating Residence	24.4	No	45	40	Yes
G-93	Non-Participating Residence	20.1	No	45	40	Yes
G-94	Non-Participating Residence	24.7	No	45	40	Yes
G-95	Non-Participating Residence	24.7	No	45	40	Yes
G-96	Non-Participating Residence	24.8	No	45	40	Yes
G-97	Non-Participating Residence	19.7	No	45	40	Yes
G-98	Non-Participating Residence	24.7	No	45	40	Yes
G-99	Non-Participating Residence	24.8	No	45	40	Yes
G-100	Non-Participating Residence	19.6	No	45	40	Yes
G-101	Non-Participating Residence	24.8	No	45	40	Yes
G-102	Non-Participating Residence	24.2	No	45	40	Yes
G-103	Non-Participating Residence	24.4	No	45	40	Yes
G-104	Non-Participating Residence	19.4	No	45	40	Yes
G-105	Non-Participating Residence	24.8	No	45	40	Yes
G-106	Non-Participating Residence	24.9	No	45	40	Yes
G-107	Non-Participating Residence	19.3	No	45	40	Yes
G-108	Non-Participating Residence	25.1	No	45	40	Yes
G-109	Non-Participating Residence	25.1	No	45	40	Yes
G-110	Non-Participating Residence	24.5	No	45	40	Yes
G-111	Non-Participating Residence	24.8	No	45	40	Yes
G-112	Non-Participating Residence	24.5	No	45	40	Yes
G-113	Non-Participating Residence	24.4	No	45	40	Yes
G-114	Non-Participating Residence	24.9	No	45	40	Yes
G-115	Non-Participating Residence	32.7	No	45	40	Yes
G-116	Non-Participating Residence	24.9	No	45	40	Yes
G-117	Non-Participating Residence	36.1	No	45	40	Yes
G-118	Non-Participating Residence	37.3	No	45	40	Yes
G-119	Non-Participating Residence	29.6	No	45	40	Yes

Point of Reception		Sound Level at POR (dBA, Leq)*	Verified by Acoustic Audit (Yes/No)	Performance Limit		
ID	Description			Daytime (dBA)	Nighttime (dBA)	Compliance (Yes/No)
G-120	Non-Participating Residence	36	No	45	40	Yes
G-121	Non-Participating Residence	29.4	No	45	40	Yes
G-122	Non-Participating Residence	29.3	No	45	40	Yes
G-123	Non-Participating Residence	27	No	45	40	Yes
G-124	Non-Participating Residence	27.4	No	45	40	Yes
G-V1	Vacant Lot Receptor	21.8	No	45	40	Yes
G-V2	Vacant Lot Receptor	25.3	No	45	40	Yes
G-V3	Vacant Lot Receptor	25.5	No	45	40	Yes
G-V4	Vacant Lot Receptor	20.1	No	45	40	Yes
G-V5	Vacant Lot Receptor	22.8	No	45	40	Yes
G-V6	Vacant Lot Receptor	26.4	No	45	40	Yes
G-V7	Vacant Lot Receptor	27.4	No	45	40	Yes
G-V8	Vacant Lot Receptor	21	No	45	40	Yes
G-V9	Vacant Lot Receptor	33.5	No	45	40	Yes
G-V10	Vacant Lot Receptor	34.1	No	45	40	Yes
G-V11	Vacant Lot Receptor	32.3	No	45	40	Yes
G-V12	Vacant Lot Receptor	35.4	No	45	40	Yes
G-V13	Vacant Lot Receptor	30.6	No	45	40	Yes
G-V14	Vacant Lot Receptor	30.7	No	45	40	Yes
G-V15	Vacant Lot Receptor	23.8	No	45	40	Yes
G-V16	Vacant Lot Receptor	26.2	No	45	40	Yes
G-V17	Vacant Lot Receptor	25.4	No	45	40	Yes
G-V18	Vacant Lot Receptor	20.7	No	45	40	Yes
G-V19	Vacant Lot Receptor	20.1	No	45	40	Yes
G-V20	Vacant Lot Receptor	20.1	No	45	40	Yes
G-V21	Vacant Lot Receptor	20.1	No	45	40	Yes
W-R1	Non-Participating Residence	26.2	No	45	40	Yes
W-R2	Non-Participating Residence	25.8	No	45	40	Yes
W-R3	Non-Participating Residence	25.9	No	45	40	Yes
W-R4	Non-Participating Residence	25.6	No	45	40	Yes
W-R5	Non-Participating Residence	25.5	No	45	40	Yes
W-R6	Non-Participating Residence	25	No	45	40	Yes
W-R7	Non-Participating Residence	24.7	No	45	40	Yes
W-R8	Non-Participating Residence	24.6	No	45	40	Yes
W-R9	Non-Participating Residence	24.4	No	45	40	Yes
W-R10	Non-Participating Residence	24.4	No	45	40	Yes
W-R11	Non-Participating Residence	24.4	No	45	40	Yes

Point of Reception		Sound Level at POR (dBA, Leq)*	Verified by Acoustic Audit (Yes/No)	Performance Limit		
ID	Description			Daytime (dBA)	Nighttime (dBA)	Compliance (Yes/No)
W-R12	Non-Participating Residence	24.4	No	45	40	Yes
W-R13	Non-Participating Residence	24.4	No	45	40	Yes
W-R14	Non-Participating Residence	22.7	No	45	40	Yes
W-R15	Non-Participating Residence	37.7	No	45	40	Yes
W-R16	Non-Participating Residence	30.5	No	45	40	Yes
W-R17	Non-Participating Residence	31	No	45	40	Yes
W-R18	Non-Participating Residence	30.7	No	45	40	Yes
W-R19	Non-Participating Residence	29.5	No	45	40	Yes
W-R20	Non-Participating Residence	29.1	No	45	40	Yes
W-R21	Non-Participating Residence	30.9	No	45	40	Yes
W-R22	Non-Participating Residence	24.4	No	45	40	Yes
W-V1	Vacant Lot Receptor	28.3	No	45	40	Yes
W-V2	Vacant Lot Receptor	28.4	No	45	40	Yes
W-V3	Vacant Lot Receptor	35.3	No	45	40	Yes
W-V4	Vacant Lot Receptor	33.9	No	45	40	Yes
W-V7	Vacant Lot Receptor	35	No	45	40	Yes
W-V8	Vacant Lot Receptor	32.2	No	45	40	Yes
W-V11	Vacant Lot Receptor	35.3	No	45	40	Yes
W-V13	Vacant Lot Receptor	27	No	45	40	Yes
W-V14	Vacant Lot Receptor	35.3	No	45	40	Yes
W-V15	Vacant Lot Receptor	26.6	No	45	40	Yes
W-V16	Vacant Lot Receptor	24.7	No	45	40	Yes
W-V17	Vacant Lot Receptor	29.6	No	45	40	Yes
W-V18	Vacant Lot Receptor	35.7	No	45	40	Yes
W-V19	Vacant Lot Receptor	35.8	No	45	40	Yes

Note: "Participating Residence" – receptors that are on the same lot as proposed project components and are participating in the project.

8.2 Rationale for Selecting Applicable Noise Guideline Limits

8.2.1 Acoustic Environment

The background ambient noise, exclusive of the proposed Sol-Luce Kingston Solar PV Energy project, can be characterized as a Class 3 Area as described in NPC-232. The sources that contribute to the background sound include sounds of nature as well as occasional vehicle traffic noise from nearby roadways.

For a project located in a Class 3 Area, the project is considered compliant with NPC-232 if the predicted cumulative noise levels at the nearby receptors are at or below either the exclusion limits (see Table 7) or the background ambient levels as measured or calculated.

Table 7: NPC-232 – Class 3 Area Exclusion Limits

Time of Day	One Hour Leq (dBA) Class 3 Area
07:00 – 19:00	45
19:00 – 23:00	40
23:00 – 07:00	40

The applicable nighttime limit is the most restrictive level for operation of a stationary source. The background ambient sound level at the points of reception were not measured or modeled. Therefore, the NPC-232 exclusion limits have been adopted as the performance limit at each of the PORs.

8.2.2 Predictable Worst Case Operating Scenario

The inverters, inverter transformers and substation transformers were all assumed to operate on a continuous basis at their maximum load during daytime, evening and nighttime hours. These sources were modeled as such.

9. Conclusion

This *Noise Study Report* was prepared as a supporting document for a REA amendment application for the proposed Sol-Luce Kingston Solar PV Energy Project conforms to the guidelines for an Acoustic Assessment Report as defined in Ministry of the Environment publication NPC-233 *Information to be Submitted for the Approval of Stationary Sources of Sound*. All procedures used in this assessment were conducted in accordance with requirements of NPC-233 and additional general direction provided by the MOE for preparation of acoustic assessment reports for solar facilities under the REA. In this NSR, it was determined that noise mitigation measures consisting of acoustic louvers to be installed on all the ventilation openings of 14 inverter enclosures would be required to achieve compliance. With the implementation of the noise mitigation measures determined in this study, the proposed Sol-Luce Kingston Solar PV Energy project will comply with the daytime and nighttime noise criteria as defined in the Ontario Ministry of the Environment Noise Pollution Control Publication NPC-232 *Sound Level Limits for Stationary Sources in Class 3 Areas (Rural)*, for all sources assessed in this study.

10. Closure

This *Noise Study Report* has been prepared based on the information provided and/or approved by Kingston Solar LP. This report was prepared by Dillon for the sole benefit of Kingston Solar LP to satisfy reporting requirements for the Ontario Ministry of the Environment. The material in the report reflects Dillon's judgment in light of the information available to Dillon at the time of this report preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Dillon accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Respectfully Submitted,

DILLON CONSULTING LIMITED

Amir A. Iravani, Ph.D.
Associate

11. References

AMEC. Kingston Solar LP Sol-Luce Kingston Solar PV Energy Project Design and Operations Report. September 2012.

Industrial Noise Control Fundamentals and Applications, Bell, Lewis H., Marcel Dekker, Inc. 1982.

Ministry of Environment Publication NPC- 205 Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban), October 1995.

Ministry of Environment Publication NPC- 232 Sound Level Limits for Stationary Sources in Class 3 Areas (Rural), October 1995.

Ministry of Environment Publication NPC-233 Information to be Submitted for Approval of Stationary Sources of Sound, October 1995.

Transformers, Regulators and Reactors, NEMA Standards Publication No. TR 1-1993(R2000), National Electrical Manufacturers Association.

APPENDIX A

Manufacturer's Equipment Specifications

Transformer Performance Specification

For: Amec Date: 8/24/2011
Quote: 10Q1325733 Item: 10 Spec:

Rating								
Type	Substation Non-Auto	Class	H Winding		X Winding		Y Winding	
Phase	3		240	kV	34.5	kV	-	
Hertz	60	ONAN	65000	KVA	65000	KVA	-	KVA
Temp Rise	65 C	ONAF	85000	KVA	85000	KVA	-	KVA
Insulating Type	Mineral Oil	ONAF	110000	KVA	110000	KVA	-	KVA

Additional Tap Voltages	
H Winding (kV)	+16 , -16 x 1.25%, OLTC Full Capacity Below Nominal
X Winding (kV)	No Taps
Y Winding ()	-

Connections for Operation									
Transformers in Bank	To Transform from	Phase	Connected	To Transform from	Phase	Connected	To Transform To	Phase	Connected
1	240 kV	3	Wye	34.5 kV	3	Delta	-	3	-

Dielectric Tests				Insulation Levels	
Applied Voltage (To other windings and ground)	H Winding	95	kV	ITEMS	Basic Lightning Impulse Insulation Level (BIL kV)
	X Winding	95	kV		
	Y Winding	-	kV	H line	900
Induced Voltage	Enhancement level / 7200 Cycle (L-G)	360	kV	H neutral	250
				X line	250
	One hour level (L-G)	315	kV	X neutral	-
				Y line	-

Loss Data based on	NL @ 20C, LL @ 85C						
Based on loading at	240 kV	To	34.5 kV				
Winding Load KVA	H	110000	X	110000	Y	-	
No Load Loss	60 kW		Load Losses	116.3 kW			
			Total Loss	333 kW			

Regulation at		
240 kV / 34.5 kV		
110000 KVA		
Power Factor	% Reg	% Load
1.0	1.03	100
0.8	7.69	100

Auxiliary Losses (Not included in above)	Percent Exciting Current	
	100% V	110% V
4.5 kW	0.08	0.20

Average Sound Level	
dB(A)	Class
81	ONAN
83	ONAF
84	ONAF

Percent Impedance Voltage		
% IZ	Between Windings	At KVA
7	HV-LV	65000

Mechanical Data Not for Construction Purposes		
Drawing		
Height	(A)	336 in
Length	(B)	388 in
Width	(C)	228 in
Height over Cover	(D)	187 in
Untanking (Plus Slings)	(E)	331 in
Shipping Height		189 in
Shipping Width		124 in
Shipping Length		292 in
Oil Preservation		Cops
Weights (approximate) (lbs)		
Core and Coils		167924 lbs
Tank and Fittings		63094 lbs
Fluid 14952 gal		112140 lbs
Total Weight		343179 lbs
Untanking Weight		167924 lbs
Shipping Weight		205407 lbs
Shipped in		Dry Air

ITEM	kVA	NL	TL	%Z	Iex	Sound
30	1600	2024 @ 85	18690	4.25	0.2	49

ITEM	Shipment
30	10-12 Weeks

Quoted loss values are guaranteed average values.
Lead times for orders subject to drawing approval will be confirmed upon receipt of approval and release for manufacturing.

Description:

Type	:	Liquid-Filled MTR Padmounted Transformer
Fluid	:	Natural Ester Fluid
Core	:	Grain Oriented Steel
Phase	:	3 Phase
Frequency	:	60 Hz
Average Winding Rise	:	65 °C
Ambient Temperature	:	30 °C
High Voltage	:	27600 Delta
High Voltage Taps	:	+2 -2 2.5%
High Voltage BIL	:	150kV BIL
Low Voltage	:	360Y x 360Y
Low Voltage BIL	:	30kV BIL x 30kV BIL
Feed Configuration	:	Loop feed
Color	:	Equipment green (Munsell 9GY 1.5/2.6)

Features (included in price):

TANK & CABINET
- Dry Nitrogen Blanket
- Ground strap from tank to cabinet
- No high low barrier
- Penta-head cabinet handle bolt

GROUNDING
- Ground bus
- Core Grounding - Accessible through handhole
- Two 2-Hole ground spades(Canada CSA/CEA) x 3

BUSHINGS
- 600 amp dead-break bushings (dead front) x 6
- ANSI C57.12.26 Fig 2 & 3 HV bushing pattern (minimum)
- 10-hole integral spade bushings x 3
- Spade Supports
- ANSI C57.12.26 Fig 3&4a minimum stgrd LV bushing pattern
- Porcelain Ho With Spade

ARRESTERS
- 21 kV elbow arrester - 35 kV interface x 3

FUSES
- Internal expulsion fuse x 3
- Oil-immersed partial range current limiting fuse x 3

SWITCHES
- 2-position 300 amp LBOR transformer switch
- Two (2), 2-position 600 amp switch
- Special off circuit switch label

MONITORING
- Liquid level gauge with alarm contacts
- Pressure relief valve
- Pressure vacuum gauge with alarm contacts
- Schrader valve
- Dial type thermometer with alarm contacts

FITTINGS
- Drain valve and sampler

MARKINGS
- Non-PCB label
- EEMAC decals (Canada)
- Special Canadian nameplate requirements

OTHER
- 30" deep cabinet
- Aluminum Electrostatic Shield
- Step-up application
- Dyn11 Phase Shift
- SST hardware
- CSA Standard

TESTS
- One Dissolved Gas Test ‡

Contains less-flammable biodegradable natural ester fluid with no detectable level of PCB, less than 1PPM, at the time of manufacture.

For information about natural ester fluid, go to:
http://www.cargill.com/products/industrial/dielectric-fluid/index.jsp

Item 30 General Comments and Exceptions

- ABB Designs applicable to renewable energy offer standard features not typically supplied by others. Our experience in renewable energy led us to provide differentiators for optimal performance and customer satisfaction, among which are the following:

  -Dissolved Gas analysis results with Certified Test Report for each transformer
  -Core ground accessible and removable through the tank hand hole
  -Induction (flux density) well below core saturation levels which provides enhanced protection from system harmonics
  -Heavy 18" stainless steel door rods for improved safety in high wind speed conditions
  -Sloped cabinet cover to channel water, ice, and snow off of the cabinet and away from personnel
  -Auto-locking device for cabinet cover to allow one hand operation without compromising safety
  -Cabinet cover rotable nearly 180 degrees to provide optimal access during installation and maintenance

  TRANSFORMER APPLICATION CONDITIONS AND LIMITATIONS
  These transformers are designed for application up to 110% no load over-excitation or 105% full load over-excitation in accordance with IEEE C57.12.00, section 4.1.6.1. All other parameters in IEEE C57.12.00 also apply to the design of these transformers. Operations outside these parameters may void product warranty.

ITEM	kVA	NL	TL	%Z	Iex	Sound
40	800	1388 @ 85	8977	5.75	0.77	51

ITEM	Shipment
40	10-12 Weeks

Quoted loss values are guaranteed average values.
Lead times for orders subject to drawing approval will be confirmed upon receipt of approval and release for manufacturing.

Description:

Type	:	Liquid-Filled MTR Padmounted Transformer
Fluid	:	Natural Ester Fluid
Core	:	Grain Oriented Steel
Phase	:	3 Phase
Frequency	:	60 Hz
Average Winding Rise	:	65 °C
Ambient Temperature	:	30 °C
High Voltage	:	27600 Delta
High Voltage Taps	:	+2 -2 2.5%
High Voltage BIL	:	150kV BIL
Low Voltage	:	360Y
Low Voltage BIL	:	30kV BIL
Feed Configuration	:	Loop feed
Color	:	Equipment green (Munsell 9GY 1.5/2.6)

Features (included in price):

TANK & CABINET
- Dry Nitrogen Blanket
- Ground strap from tank to cabinet
- No high low barrier
- Penta-head cabinet handle bolt

GROUNDING
- Ground bus
- Core Grounding - Accessible through handhole

BUSHINGS
- Threaded stud LV bushings x 3
- 600 amp dead-break bushings (dead front) x 6
- ANSI C57.12.26 Fig 2 & 3 HV bushing pattern (minimum)
- 6-hole NEMA spade terminals x 3
- ANSI C57.12.26 Fig 3&4a minimum stgrd LV bushing pattern
- Porcelain Ho With Spade

ARRESTERS
- 21 kV elbow arrester - 35 kV interface x 3

FUSES
- Internal expulsion fuse x 3
- Oil-immersed partial range current limiting fuse x 3

SWITCHES
- 2-position 300 amp LBOR transformer switch
- Two (2), 2-position 600 amp switch

- Special off circuit switch label

MONITORING
- Liquid level gauge with alarm contacts
- Pressure relief valve
- Pressure vacuum gauge with alarm contacts
- Schrader valve
- Dial type thermometer with alarm contacts

FITTINGS
- Drain valve and sampler

MARKINGS
- Non-PCB label
- EEMAC decals (Canada)
- Special Canadian nameplate requirements

OTHER
- 30" deep cabinet
- Aluminum Electrostatic Shield
- Copper Electrostatic Shield
- Step-up application
- Dyn11 Phase Shift
- SST hardware
- CSA Standard

TESTS
- One Dissolved Gas Test ‡

Contains less-flammable biodegradable natural ester fluid with no detectable level of PCB, less than 1PPM, at the time of manufacture.

For information about natural ester fluid, go to:
http://www.cargill.com/products/industrial/dielectric-fluid/index.jsp

Item 40 General Comments and Exceptions

- ABB Designs applicable to renewable energy offer standard features not typically supplied by others. Our experience in renewable energy led us to provide differentiators for optimal performance and customer satisfaction, among which are the following:

  -Dissolved Gas analysis results with Certified Test Report for each transformer
  -Core ground accessible and removable through the tank hand hole
  -Induction (flux density) well below core saturation levels which provides enhanced protection from system harmonics
  -Heavy 18" stainless steel door rods for improved safety in high wind speed conditions
  -Sloped cabinet cover to channel water, ice, and snow off of the cabinet and away from personnel
  -Auto-locking device for cabinet cover to allow one hand operation without compromising safety
  -Cabinet cover rotable nearly 180 degrees to provide optimal access during installation and maintenance

  TRANSFORMER APPLICATION CONDITIONS AND LIMITATIONS
  These transformers are designed for application up to 110% no load over-excitation or 105% full load over-excitation in accordance with IEEE C57.12.00, section 4.1.6.1. All other parameters in IEEE C57.12.00 also apply to the design of these transformers. Operations outside these parameters may void product warranty.

Terms and Conditions:

- Quote validity period: 30 days
- Payment Terms: Payment is due B_PAIDIN60DAYS_CIT from invoice date.
- Freight Terms: Shipment is DDP - Delivery Duty Paid (ONBU, CA)
- Warranty: 60 months from delivery or 54 months from commissioning, whichever occurs first.

Shipments:

- Lead times are subject to change based on availability of production space and/or materials at time of order. Please contact your ABB representative to confirm the lead time at order entry.
- Lead times for orders requiring drawing approval will be confirmed after receipt of approval and release for manufacturing.
- Transportation costs are based on truckload quantities and one stop within the 48 contiguous states of the United States. Multiple stops will be charged a minimum of $150 per stop.
- Packaging and handling beyond what is stated in the quote, including blue water transport, are at the expense of the purchaser.
- Shipments by dedicated truck must be specified as such on the purchase order and billed accordingly.
- This quote does not include installation, training and field testing unless noted otherwise.
- For destinations outside of the United States, purchaser is to identify seller for customs reporting as ABB Inc, 150 Ardmore Blvd. Suite 401, Pittsburgh, PA 15221, Attention: International Contracts Management.

Price Validity:

- Prices are valid for the quantities stated in this quote and subject to change for orders less than quoted.
- Approval order pricing is firm for 30 days after initial mailing date of approval drawings. Orders not released for manufacture within 30 days of the initial drawing date are subject to price adjustment.
- Prices and lead time are subject to change should there be changes to specifications, configurations and accessories.

Approval Drawings:

- Purchaser to provide e-mail address at time of order entry for transmission of drawings.
- Drawing lead times are typically 3 - 4 weeks after receipt of order for Padmount transformers.
- Drawing lead times are typically 5 - 6 weeks after receipt of order for Secondary Unit Substation transformers.
- Drawings in less than typical lead time are available upon request and will be priced accordingly.
- Drawings can be supplied in “pdf” format at customer request

NEC & NFPA Exception:

Product will be designed, built and tested in accordance with ANSI, NEMA and IEEE (and UL if applicable) standards. Cabinetry is designed in accordance with NEMA 3R unless stated otherwise in the body of the quote. Exception is taken to NEC & NFPA as compliance is the responsibility of the installing contractor and/or end user.

Testing:

- Routine production tests are in accordance with IEEE C57.12.00.
- Fluid supply is regularly tested for PCB content.
- Nameplates state “Filled with non-PCB fluid that contains less than 1 ppm at time of manufacture.”
- Comprehensive leak testing is completed on all products.
- Computer generated certified test reports provided as standard.

Special Test Price Adders:

- Chopped Wave at $1,000 net each.
- Temperature Rise (base rating only) at $2,000 net each.
- Temperature Rise (base rating plus max) at $3,000 net each.
- Sound Level for product rated less than 2000 kVA at $1,000 net each
- Power Factor at $1,000 net each.
- Witness Testing at $5,000 net each. (may be of a similar unit depending on availability of product at time of testing)

General Notes:

Quote date: Feb 04, 2013.

Please verify bill of materials meets customer's requirements.

Complete bid includes general notes.

Quote expires under any of the following conditions referred to the quote's date listed above:

- After 30 days.
- If the cost of any of the 5 main materials increases by more than 5%.

Notes and Exceptions:

- Only routine test are included, if customer needs Special test please refer to the price list on the bottom of this Doc.
- ANSI/IEEE standards apply. We do not meet IEC or NEC standards
- Padlocks not supplied.
- Vegetable Oil (FR3) has some limitations in extreme low temperatures, please refer to Oil Specs for more detail or contact us, customer is responsible for the selection made.
- Standard Mineral Oil included, if Luminol is required please request a revision.
- Special certification upon request & confirmation, this offer does not include any Special Certification or Calculations.
- We do not build our transformers any differently verses step-up or step down. The HV will always be on the left with the LV on the right. It's up to the installer to bring the incoming lines to the transformer correctly.
- The Transformers provided in this quote are build with Mild Steel. Suitability for installation conditions, site characteristics, environment (gases, dust, etc) are responsibility of the company in charge of the engineering, planning and start up or commissioning not of ABB.
- Termination for the high voltage or low voltage connections not supplied unless suspectfully stated in the bill of material.
- ABB is only responsible for the bill of material as quoted. This is our best interpretation of the data supplied. If the transformer is manufactured, shipped and does not meet the customer's needs, it's solely the responsibility of the end user to rectify and bare all cost associated with the mistake. ABB will not be held liable for transformers made which do not meet the customer's needs.
- BayOnet Fuses are not available for HV 27.6 kV Delta
- Partial Range Current Limited Fuse included.
- If Seismic Anchor are needed please add $750 per unit.
- Transformer can be used with arresters and fuses only if power lines feeding transformers belong to a 4-wire multi-grounded neutral system. If power lines belong to a delta connected system; no fuses or arresters are applicable.
- Feed Thru inserts NOT available for 600A .
- Customer must use a Cooper T-OP Elbow connector to be able to connect the surge arresters to the 600A Bushing. Without this elbow customer cannot connect the surge arresters to the 600A Bushing.
- Exception to Cover mounted Primary Bushing, we are quoting Side Wall Mounted Bushings.
- Removable radiators can be provided, but will have TamperResistand issues. If Customer need us to include this feature we need confirmation.
- If Impact rec. are needed, please add $350 per unit.

Please note:

- Quoted unit(s) as listed below. Any change in accessories and/or performance(s) may change price(s).Exception is taken to any requirement contained in a customer spec and not specifically identified above or contained in our standard product offering.
- Prices valid for total package - if individual items and/or less quantity(ies) are required; prices will change.
- Ex-works shipment time frame does not include time spent to design unit, send drawings for approval and received approved drawings.
- If shipments by dedicated truck are required; it must be specified in P.O.
- If dedicated truck shipment; it will be billed accordingly.
- Export crating not supplied unless listed in below bill of materials.
- The following guidelines apply for cancellation:
  - 10% After ABB has received P.O.
  - 20% After ABB has issued approval drawings and sent them to customer.
  - 50% After ABB has received approved drawings from customer.
  - 100% After ABB has released unit(s) for manufacturing.
- This quote assumes these products will have as final destination the country specified in the request for quote. Diverting them to a different country is prohibited and it may be punishable with fines and prison by USA Federal Laws.

Kirk key interlocks not provided in base price of quote. Please use adder of $450 per unit if needed.
Standard ANSI C57.12.28 provided. Paint process and coverages will be supplied. ABB Paint system meets or exceeds all applicable industry standards with a nominal 3 mil thickness. Since the paint thickness is not associated with the protection quality of the finish, we will not always meet the specified 4 mil minimum paint thickness.
Routine tests are listed below:

- Core demagnetization
- Transformer turns ratio
- Polarity
- No-load loss and exciting current test at rated voltage
- Resistance, load loss, and impedance test at rated voltage
- Low frequency test
- Induced voltage
- Impulse
- Leaks

- Witness test and inspection adders are as follows:
  - $2000 per unit tested for standard ANSI tests.
  - $2000 per order for inspection of final product.
  - Inspection must not interfere with production or manufacturing flow.
  - Adders for witness test and final inspection must be added to price quoted. Order must be entered with this adder; if not, then witness test and inspection requirements will be considered waived.
  - Transformer factory routine tests are free of charge.
  - Temperature rise test is design test. if required, add $2000 (base rating), $3000 (max rating) per unit. If not included with order, test will be considered waived.
  - Test reports of similar units may be available on request.
- If other tests are required; price adders are:

Test	Adder/unit
Fluid	$ 500
DGA	$ 350
Radio Interference Voltage	$ 2000
Insulation Power Factor	$ 2000
Insulation Resistance	$ 2000
Polarization Index	$ 2000
Sound Level	$ 2000
Short Circuit Force Withstand	$80000 plus price of transformer

No-load loss and exciting current at 90 to 110% rated voltage in 5% steps	$ 3000
Resistance measurement on extreme taps	$ 2000
Impedance measurement on extreme taps	$ 2000
Chopped wave impulse test	$ 2000

- Zero-phase-sequence impedance voltage not required for Delta/Wye connected unit.
- Impulse test: Written approval allowing ANSI C57.12.90 section 10.4 method 1 test must accompany the order. Without written approval from customer the order will be returned.
- Photograph or oscilloscope display waveforms are available only with witness test.
- Above charges do not include transportation, meals or lodging expenses to visit plant and/or witness tests.

ABB Jefferson City takes exception to all documentation required except the following which can be provided.

- Drawings:
  Outline/Bill of Material Drawing
  Base Detail
  Bushing Details
  Wiring Drawings
  Nameplate
- Certified Test Reports
- Certificate of Compliance
- Instruction Manuals
- Spare Parts List
- Standard Cut Sheets for Monitoring, etc. Devices
- Inspection and Test Plan
- Milestone Schedule
- Fluid MSDS

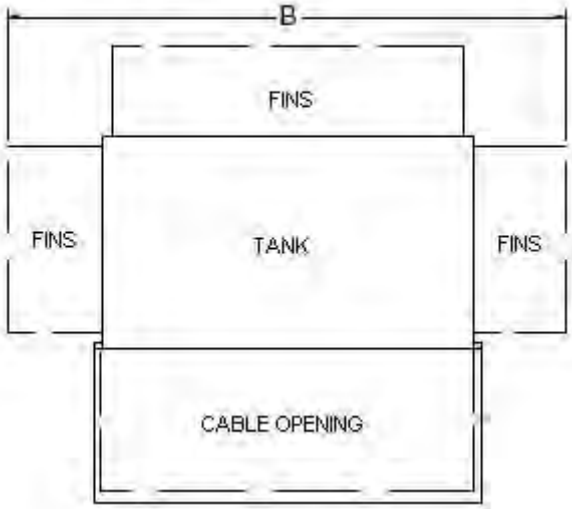
- Order should reference this negotiation number and applicable items.
- Extended warranty available upon request and will be priced accordingly.
- Units are quoted for normal service conditions as defined by ANSI/IEEE standards.
- Notify ABB should unit(s) be subject to harmonics, motor starting, shovel duty or other.
- Accessories not included with the product are T-Ops, secondary terminating lugs, grounding lugs, padlocks, wrenches and warning signs unless noted otherwise in the quote.
- UL labeling and FM certification are available for most configurations upon request.
- Nameplates are laser etched anodized aluminum.
- Penta-head door fastening bolt compliant to ANSI C57.12.28-1998.
- Door fastening hardware made of stainless steel or silicon bronze.
- Paint system is compliant with ANSI/IEEE C57.12.28.
- Ground pads are made of stainless steel.
- Instruction manuals and order status information are available at www.abb.us/transformers. Select *United States of America* as a preference, click OK and then select *Jefferson City Distribution Transformer site.*

KVA	FEED	A	B	C	D	E	F	WT
1600	Loop (Dead)	72	96	88.8	74.8	70	30	12800
1000	Loop (Dead)	68	86	74.8	66.8	66	30	8200

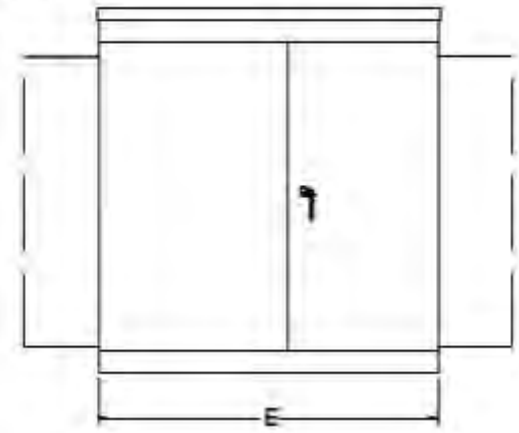
All weights and dimensions are approximate. Dimensions may change to meet specific customer requirements. Weights are in pounds. Dimensions are in inches.

Cooling fins may be required on the back and/or side of the tank if necessary. Maximum cooling fin depth is 16".

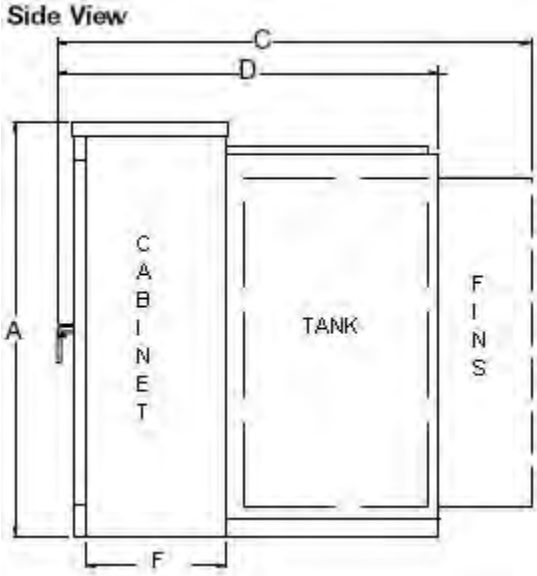
Top View



Front View



Side View



	Canada Solar -- SMA Inverters	
3/27/2013	**3-Phase Padmounted Transformer**	ABB Inc, Jefferson City, MO

TERMS AND CONDITIONS OF SALE

These terms and conditions of sale shall apply to all services, equipment, goods or products manufactured, distributed or sold by ABB Inc. (“Seller”) unless otherwise agreed in writing by the Seller and the Purchaser.

1. ACCEPTANCE OF CONDITIONS

The Purchaser, upon receipt of the Seller's acknowledgement of an order, or upon receipt in whole or in part of the shipment sold under an order, or upon payment in whole or in part for the equipment, workmanship, goods, products, and the license of software, related materials supplied hereunder, ('Equipment') or rendition of services ('Services') or both shall be deemed an unconditional acceptance by Purchaser of these terms and conditions. Any deletions from, alterations or modifications or additions to the terms and conditions of this order, shall not be binding unless they are expressed in writing and signed by both the Seller and the Purchaser's authorized representatives.

2. DELIVERY

2.1 Equipment sold hereunder unless agreed otherwise shall be delivered Ex Works (... named place) as per Incoterms 2000, depending on specified means of transportation. Delivery dates specified in any quote are approximate, unless specified as binding. Delivery performance is dependent upon prompt receipt from the Purchaser of all specifications, final approved drawings and any other details essential to the proper execution of the Purchaser's order.

2.2 Upon notification of readiness of Equipment by Seller to Purchaser, Purchaser shall promptly take delivery of the Equipment. Purchaser's delay to take delivery of the Equipment shall result in Purchaser paying storage, maintenance and associated charges and Seller shall invoice Purchaser as if shipment or other performance had been made as originally scheduled. Such storage, handling maintenance shall be performed at Purchaser's cost and risk. Failure of Purchaser to take prompt delivery shall result in payment terms tied to such delivery becoming due immediately and payable. The Warranty Period hereinafter defined will begin upon such notification of readiness.

2.3 Unless otherwise agreed upon between the parties, Purchaser shall have the sole responsibility of choosing the carrier and routing from Seller's manufacturing facilities to the final destination.

3. FORCE MAJEURE

The Seller shall not be liable for delays in the execution of its obligations due to causes beyond its reasonable control including but not limited to acts of God, acts of the Purchaser, fires, strikes, labour disturbances, floods, epidemics, quarantine restrictions, war, insurrection or riot, acts of a civil or military authority, compliance with priority orders or preference ratings issued by any Government, acts of Government authorities with respect with to revocation of export or reexport permits/licenses, freight embargoes, car shortages, wrecks or delays in transportation, unusually severe weather, or inability to obtain necessary labour, materials or manufacturing facilities or supplies or delays of sub-contractors. In the event of any such delay, the date of shipment will be extended for a minimum of time equal to the period of the delay. The contract of sale will in no event be subject to cancellation by the Purchaser, due either to delay in delivery or to any other cause, without the prior written consent of the Seller. In the case of cancellation, cancellation charges judged adequate by Seller shall apply.

4. WARRANTIES

4.1 The Seller warrants that during the warranty period hereinafter defined the Equipment sold shall be free from defects in material and workmanship and shall be of the kind and quality designated or described in the specifications.

4.2 If within eighteen (18) months from the date of notification of readiness of shipment or twelve (12) months from date of first use by Purchaser or the end user, whichever date occurs first, the Equipment does not meet the warranties specified above, the Seller agrees to correct any defect, at its option, either by repairing any defective parts, or by making available Ex Works, repaired or replacement parts, provided the Purchaser notifies the Seller promptly of any such defects.

4.3 The cost of removal of the defective Equipment from its related system, site and/or ancillary equipment, and the cost of its reinstallation in such system, site and/or ancillary equipment, including all transportation costs to and from Seller's plant or repair shop, shall be borne exclusively by the Purchaser. The Purchaser shall not return or dispose of any Equipment or part thereof with respect to which it intends to make a claim under the foregoing warranty, without the Seller's express prior written authorization.

4.4 Seller warrants that it shall repair or replace, at its option and Ex Works, software products which fail in manner which significantly and adversely affects operating performance to conform to Seller's published software product description applicable to the specific software version as delivered to the Purchaser,

provided Seller receives written notification of any such failure to conform within ninety (90) days from the readiness of shipment software. Seller does not warrant that the functions contained in the software will operate in combinations which may be selected for use by the Purchaser, or that the software products are free from errors.

4.5 Where Seller supplies Services, Seller warrants that it shall re-perform Services which are found to have been performed other than in a professional manner and in accordance with sound, generally accepted and professional practices in effect at the time of performance, provided Seller receives written notification of the defect within thirty (30) days from date of such performance.

4.6 Any repair or replacement to the foregoing warranties pursuant hereto shall not renew or extend the warranties. The foregoing warranties shall be void to any deficiency or defect resulting from, the Equipment being improperly installed or cared for, operated under abnormal conditions or contrary to specifications or instructions of Seller, normal wear and tear, modifications or alterations made by Purchaser or a third party without Seller's consent.

4.7 THE EXPRESS WARRANTIES SET FORTH IN THIS ARTICLE ARE EXCLUSIVE AND NO OTHER WARRANTIES OF ANY KIND, WHETHER STATUTORY, ORAL, WRITTEN, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY. THE PURCHASER'S EXCLUSIVE REMEDIES AND THE SELLER'S ONLY OBLIGATIONS ARISING OUT OF OR IN CONNECTION WITH DEFECTIVE EQUIPMENT OR SERVICES OR BOTH, WHETHER BASED ON WARRANTY, CONTRACT, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, SHALL BE THOSE STATED HEREIN.

5. INSURANCE, CHARGES & PROPER CARE

So long as sums shall remain owing by Purchaser to Seller hereunder, Purchaser shall exercise proper care in the possession and use of the Equipment and shall keep same at all times in good repair and free of all liens, options, taxes, charges, pledges, privileges and encumbrances. Purchaser shall insure Equipment against loss, destruction or theft for the full value of the replacement purchase price of the Equipment.

6. TITLE & RISK

6.1 The title to and property in the Equipment sold hereunder and any substitutions or additions thereto and the right to possession thereof, whether attached to realty or otherwise, shall pass from the Seller to the Purchaser when the full purchase price of the Equipment has been paid. Upon failure to make any payment as herein provided, the whole purchase price and any note or security given on account therefore shall forthwith become due and payable and the Seller may immediately enter the premises where the Equipment is located and take possession of and remove the same as its personal property, and may retain any or all partial payments already received as a rental charge for the use of the Equipment without affecting any further or other claims which Seller may have against the Purchaser.

6.2 Equipment sold hereunder shall be at the Purchaser's risk on delivery to it as specified in Article 2 above, and the loss or destruction of all or part of said Equipment shall not release Purchaser from any obligations of payment hereunder.

7. LIMITATION OF LIABILITY

7.1 Modifications or adjustments to Purchaser's processes or equipment which is made by Purchaser upon the good faith recommendations of Seller shall be made at Purchaser's risk. In no event shall Seller be liable for conditions of Purchaser's site.

7.2 The liability of the Seller, its agents, directors, officers, subcontractors, suppliers, for all claims, actions, judgments, expenses related to or resulting from any loss or damage arising out of performance or non performance of obligations in connection with the design, manufacture, sale, delivery, storage, of the Equipment shall in no case exceed Seller's net unit price Ex Works of such Equipment or part thereof involved in a claim. Where Seller sells Services, the liability of the Seller, its agents, directors, officers, employees, subcontractors, suppliers for all claims, actions, judgment, expenses related to or resulting from any loss or damage arising out of performance or non performance of Services, shall in no case exceed in the aggregate the amount paid by the Purchaser to Seller for the Services performed under the order.

7.3 No such claim shall be asserted against the Seller, its agents, directors, officers, employees, subcontractors, suppliers, unless the injury, loss or damage giving rise to the claim is sustained prior to the expiration of the period of warranty herein and no suit or action thereon shall be instituted or maintained unless it is filed in a court of competent jurisdiction within one year after the date the cause of action accrues.

7.4 In no event shall Seller be liable for loss of profit and for any indirect, special, incidental or consequential damages of any nature or kind including but not limited to delays, loss of revenue, loss of use, loss of data, loss of production, costs of capital or costs of replacement power, even if Seller has been advised of the

possibility of such damages.

7.5 The limitations set forth in this Article 7 shall apply and be effective with respect to any claim, cause of action, or legal theory whatsoever including, but not limited to, contract or warranty (including performance guarantees) or breach thereof, indemnity, tort (including negligence), strict liability.

8. PRICES & PAYMENT TERMS

8.1 Prices are valid thirty (30) days from date of quotation by Seller. Price adjustment clauses, if applicable, will be stated at the time of quotation and a copy will be included as part of these Terms and Conditions, in an Appendix thereto.

8.2 All prices are Ex Works unless otherwise specified in writing by Seller. Prices quoted do not include federal, provincial, local or any other taxes, charges, levies and duties, and if same are applicable these shall be promptly paid by the Purchaser. Purchaser shall reimburse Seller any late payment penalty.

8.3 In cases where Seller's price includes taxes, charges, levies and duties, in the event of any changes in any taxes, charges, levies or duties, imposed under any federal, provincial municipal or local legislation or authority, after the date of submitting of Seller's tender or quotation and applicable to Equipment sold hereunder, the Seller's sale price shall be adjusted to reflect such increases or decreases. Any penalty or interest charge levied against the Seller due to the Purchaser's late payment shall be to Purchaser's account.

8.4 Price information published in catalogues, bulletins or price lists is not a definite quotation or offer to sell.

8.5 Seller reserves the right to adjust prices on any order for any alterations or changes authorized or made by the Purchaser subsequent to acceptance of the order.

8.6 All prices are in Canadian Dollars unless otherwise specified.

8.7 Payment shall be made direct to Seller's office in accordance with the conditions stated in the order. Unless otherwise specified, payment shall be due net thirty (30) days from the date of sending of the relevant invoice by the Seller, and time is of the essence in Purchaser's execution of any payment hereunder. Any late payment shall bear interest at the rate set by the Seller from time to time which is one and a half percent (1.5%) per month, eighteen percent per annum (18%), at the date of issue, calculated and due on a monthly basis.

8.8 Where Seller supplies Services, In the event of a request by Purchaser for additional specialist services, the services will be invoiced at the current per diem per person rate for those services. Associated travel and living costs will be added to those invoices. For extended hours (beyond 8 hours/daily), the rate for specialist services will change to an hourly rate person at one and a half (1.5) times the equivalent rate based on the per diem. Similarly, weekend and holiday requirements will be charged at two (2) times the hourly rate. All prices/rates quoted are valid for ninety (90) days from proposal date. Otherwise, prices are subject to change without notice. Travel and lodging will be billed at actual cost plus a ten percent (10%) administration charge.

9. PATENT INFRINGEMENT

The Seller will, at Seller's expense, defend any suit which may be brought against the Purchaser based on a claim that any Equipment or part furnished under contract constitutes an infringement of any letter patent (provided the Seller is notified promptly of such suit and copies of all papers therein are promptly delivered to Seller) and the Seller agrees to pay all judgments and costs recovered for any reasonable costs or expenses incurred in the defense of any such claim or suits. In case said Equipment or any part is held to constitute infringement and the use of the Equipment or part is enjoined, the Seller shall, at its own expense, either procure for the Purchaser the right to continue using the Equipment or part; or replace with non-infringing Equipment; or modify it so that it becomes non-infringing; or remove the Equipment and refund the purchase price and the transportation and installation costs thereof. The foregoing states the entire liability of the Seller for patent infringement by the Equipment or any part thereof. This provision shall not apply to any equipment or part which is manufactured by Seller or third parties, to Purchaser's design or specifications. The Seller assumes no liability for any such infringement and the Purchaser agrees to defend any suit against Seller for alleged infringement arising through the manufacture and sale of Equipment made to Purchaser's design or specifications and to indemnify and hold Seller harmless from any liability arising from any such infringement.

10. DAMAGES & LOSS CLAIMS

10.1 Seller shall carefully pack all Equipment sold hereunder and the Seller shall assume no responsibility for damage after having received 'in good order' receipts from the carrier at Seller's works.

10.2 All claims for loss, damage and delay in transit are to be transacted by the consignee directly with the carrier. Claims for shortages or incorrect equipment must be made in writing to the Seller within fifteen (15) days after receipt of the shipment. Failure to give such notice shall constitute unqualified acceptance and a waiver by the Purchaser of all claims for shortages or incorrect equipment.

11. CHANGES

Seller reserves the right to make changes in design or to add any improvement on Equipment or other goods at any time, without incurring any obligations to install same on equipment or goods previously purchased or leased. Any changes caused or requested by Purchaser affecting the Equipment or otherwise affecting the scope of work must be accepted by Seller and resulting adjustment to price, schedule, or both, mutually agreed in writing.

12. TESTING & ACCEPTANCE OF GOODS

12.1 Testing of the Equipment before shipment is carried out in accordance with Seller's test procedures and at Seller's cost. Additional tests shall be agreed upon specifically between Seller and Purchaser and shall be charged to the Purchaser.

12.2 The Purchaser shall examine the Equipment upon taking possession of same and shall inform Seller immediately in writing of all defects and deficiencies for which Seller is responsible. If Purchaser omits to so notify Seller within thirty (30) days of Purchaser's possession of the Equipment, same shall be deemed to have been accepted.

12.3 Acceptance tests are carried out only if they have been agreed upon in writing by the Seller. As far as circumstances allow, such tests will be carried out in Seller's factory. If, for reasons beyond Seller's control, the acceptance tests cannot be carried out within the specified time, the qualities to be determined by these tests shall be deemed proved.

12.4 If it is found from one of the aforementioned tests that the Equipment does not fulfill the terms of the order, the Purchaser shall make available to Seller suitable opportunity to remedy any deficiency.

12.5 The Purchaser shall have no other rights than the rights outlined above, in case of delivery of deficient equipment.

13. TECHNICAL DOCUMENTS

13.1 Technical documents, such as drawings, descriptions, illustrations and the like, and all weight data, shall serve as an approximate indication only, provided they have not been expressly specified as binding. Seller reserves the right to make any alterations considered necessary.

13.2 All plans, drawings, technical specifications, documents, software, microfilm, data, or proprietary information relating to the Equipment sold, distributed or manufactured hereunder shall be treated in confidence by the Purchaser, who shall ensure the confidentiality thereof. They remain Seller's exclusive property and may be neither copied nor reproduced nor communicated to a third party in any way whatever nor used for manufacture of the Equipment, or parts thereof. They may be used only for operation and maintenance of the Equipment, under terms and conditions specified by the Seller.

13.3 All documents submitted with tenders that do not result in an order shall be returned to Seller on request.

14. SOFTWARE

14.1 Where Seller supplies a system program, Seller hereby grants to Purchaser a revocable non-transferable and non-exclusive license to use the computer software packages, related materials, and the intellectual property contained therein, furnished hereunder (collectively, the “Program”) for the limited use described herein and in the other documents transmitted to Purchaser by Seller. This license shall remain in effect unless terminated by Seller due to Purchaser's breach of the provisions of this Agreement.

14.2 The Program shall be used only in connection with Seller's Equipment. Purchaser shall have no right to use, print, display modify or disclose the Program nor duplicate or copy the Program, with the exception that one copy may be made for security purposes.

14.3 The Program is proprietary to Seller and this license allows the Purchaser only the limited right to use the Program, and nothing contained herein shall be deemed to convey any title to or ownership in the Program to the Purchaser.

15. DELAYS

Where Seller supplies Services, if there is a delay in the engineering or servicing due to any clause beyond the reasonable control of contractor, then the Purchaser shall pay the Seller all additional charges with respect to the delay, including but not limited to temporary relocation of contractor's personnel performing under this order.

16. RESPONSIBILITY OF PURCHASER

16.1 The operation of the Equipment is within the exclusive control of the Purchaser and the Purchaser shall indemnify and save the Seller harmless from any and all expense and liability (including attorney's fees) incurred by or imposed upon the Seller based upon injury to persons (including death) or damage to property (including the Equipment) resulting from the Purchaser's tests, cleaning, operation, or maintenance of the Equipment of from modifications to the Equipment by the Purchaser.

16.2 The Seller's Service Representative(s) are not authorized to supervise operation nor are they authorized or licensed to operate the Equipment and therefore neither the Seller not its representative(s) shall be deemed to have any responsibility for the operation of the Equipment.

16.3 Purchaser agrees to provide Seller with safety practices at site where Services will be performed and identify any potential health hazards or other hazardous working conditions. Seller agrees to comply with identified safety practices and applicable laws and regulations at such site. Purchaser shall be responsible for any influencing deficiencies at Purchaser's site, including, but not limited to input signals of poor quality, different environmental conditions, improper application engineering, process problems or difficulties and delays.

17. CANCELLATION

17.1 Where Seller supplies Services, either party may cancel a portion or all of this agreement with written notice one hundred and twenty (120) days in advance only under the following conditions:

17.2 Where Seller supplies Services, during the notification period, Seller will continue to deliver the full scope of supply.

17.3 Where Seller supplies Services, Purchaser will continue to pay the rate defined in the agreement during the one hundred and twenty (120) day period.

17.4 Cancellation of this agreement by Purchaser for any reason will result in a twenty percent (20%) cancellation charge unless Seller and Purchaser have agreed to any other amount in an addendum to this Agreement.

18. EXPORT CONTROL

18.1 Purchaser represents and warrants that the Equipment and Services provided hereunder and the 'direct product' thereof are intended for civil use only and will not be used, directly or indirectly, for the production of chemical or biological weapons or of precursor chemicals for such weapons, or for any direct or indirect nuclear end use. Purchaser agrees not to disclose, use, export or re-export, directly or indirectly, any information provided by Seller or the 'direct product' thereof as defined in the applicable Export Control Regulations, except in compliance with such Regulations.

18.2 If applicable, Seller shall file for an export license, but only after appropriate documentation for the license application has been provided by Purchaser. Purchaser shall furnish such documentation within a reasonable time after order acceptance. Any delay in obtaining such license shall suspend performance of this Agreement by Seller. If an export license is not granted or, if once granted, is thereafter revoked or modified by the appropriate authorities, this Agreement may be canceled by Seller without liability for damages of any kind resulting from such cancellation. At Seller's request, Purchaser shall provide to Seller a Letter of Assurance and End-User Statement in a form reasonably satisfactory to Seller.

19. GENERAL

19.1 Purchaser shall not assign this contract or any part thereof without the written consent of the Seller.

19.2 Any order received by the Seller is subject to credit approval and may be cancelled if the Purchaser's credit standing is not satisfactory to Seller.

19.3 This Agreement and any order or contract placed hereunder shall be interpreted according to the laws of the Canadian Province in which the Purchaser has placed the order under this Agreement, or failing such, the Province of Quebec; the Courts of the Canadian Province in which the Purchaser has placed the order under this Agreement shall have jurisdiction in any matter relating to same, but Seller shall also have access to the jurisdiction of the Courts of the residence of the Purchaser.

19.4 No terms of Purchaser's purchase order shall apply to this contract, even if subsequent to the terms and conditions hereof, unless agreed in writing by an authorized representative of the Seller.

19.5 No penalties or liquidated damages shall apply pursuant to the in execution of Seller's obligations hereunder, unless accepted in writing by an officer of the Seller.

19.6 These terms and conditions shall supersede and abrogate all previous communications, obligations, commitments or agreements, oral or written, expressed or implied, between the Purchaser and the Seller, in relation to this Agreement and all provisions under the United Nations Convention on Contracts for the International Sale of Goods.

19.7 Purchaser and Seller acknowledge having specifically requested that this Agreement and all related documents and correspondence be drafted in English.

19.8 Any addenda or appendices to this Agreement, to be applicable to any order hereunder, must be signed by both Purchaser's and Seller's respective authorized representatives.

Acoustic Environmental Test

SC 800CP-US central inverter

(Extract of Test report SC800CP-US-91:LE1613)

1 Overview

Project title:	SC800CP-US
Type of test / thresholds and requirements:	Sound level measurement according to DIN EN ISO 3744:2011-02 and DIN EN ISO 9614-2:2010-11 of sinusoidal, irregularly shaped, transient signals. Classification of ambient conditions in compliance with the German Noise Control Guidelines (TA Lärm). (according to Section 2)
Type of device:	e.g. solar central inverter for large-scale PV power plants
Type designation:	SC800CP-US
Test specification:	Level of emissions according to the German Noise Control Guidelines and acoustic power

2 Results

The EN 3744:04/2005 and German Noise Control Guidelines form the testing specification for the thresholds and requirements	Requirement		Results [dBA]/ without fan (distance 1m)	Results [dBA]/ with fan (distance 1m)
	Standard (Germany)	SMA		
EN 3744:2011-02 typical value; LAeq averaged [1]	-	-	-	78,74
§48 of the German Federal Emission Control ACT (BImSchG): 09-2002 German Noise Control Guidelines; L_{pa} [2]	-	-	-	77,81
EN 9614-2 sound power L_{WA} [3]	-	-	-	92,30
Sound pressure level in 10m L_{xpA} [4]	-	-	-	64,31
Sound pressure level in 50m L_{xpA} [4]	-	-	-	50,32
Overall result (if applicable)			*Standard requirments: - passed	

* Dependent on the local conditions at the mounting location (distance of 10m standard)

3 Operating States

The following states and configurations have been defined as operating conditions:

- Operation of the inverter.
- Operating conditions: UDC =820 V; 800 kW
- The device fans must be running.
- The unit under test must have reached its operating temperature.
- The unit under test must have reached an operating temperature of 25°C.

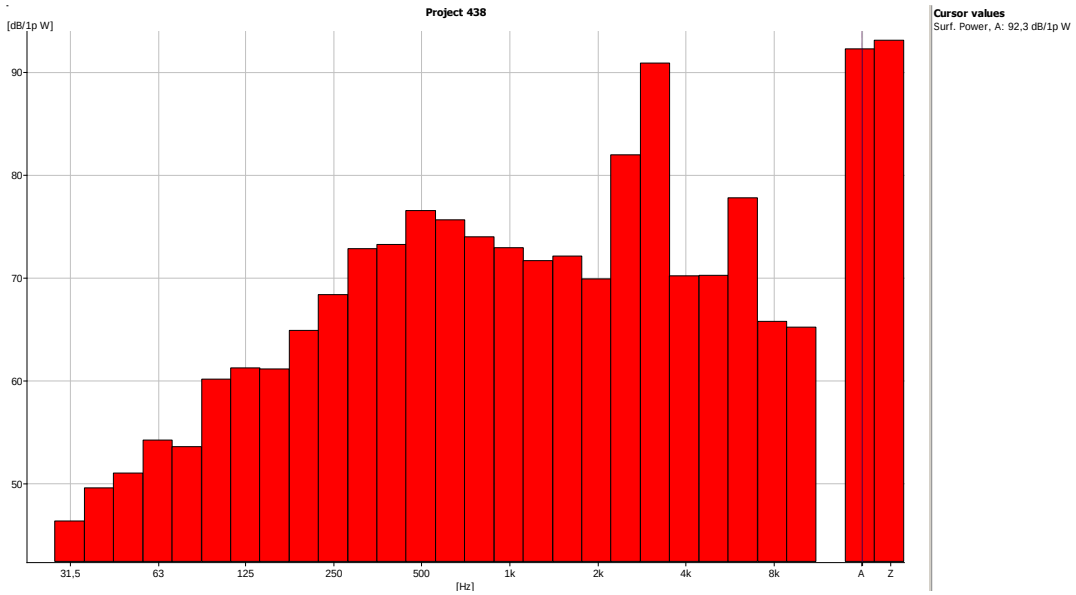
4 Calculating the Acoustic Power

L_{pA} =	average sound pressure level on the measurement surface [dB_A] *	77.81
S =	overall measurement surface [m^2]	28.09
S_0 =	1 [m^2]	

* This specified spatially/temporally averaged sound pressure level was determined using the calcu-lated acoustic power level.
$L_{PA} = L_{WA} - 10\log (S/S_0)$

Acoustic power of L_{WA}= 92,3 dBA/W results for the measurement.

Acoustic Power Levels of the Third Octave Band Frequencies According to EN ISO 9614-2



A-rated sound power = 92.3 $dB_{A/W}$

Z-rated sound power = 93.1 $dB_{A/W}$

A-rated acoustic power – based on physiologic human hearing

Z-rated acoustic power – technically linear measured value

5 Overview of the Acoustic Power

Third octave band center frequency [Hz]	Acoustic power- level LwA [dBA/pW] 880 kW	Acoustic power- level LwZ [dBA/pW] 880 kW
25 Hz	42,33	–
31.5 Hz	46,34	–
40 Hz	49,56	–
50 Hz	51	–
63 Hz	54,21	–
80 Hz	53,57	–
100 Hz	60,14	–
125 Hz	61,23	–
160 Hz	61,13	–
200 Hz	64,88	–
250 Hz	68,36	–
315 Hz	72,83	–
400 Hz	73,24	–
500 Hz	76,54	–
630 Hz	75,64	–
800 Hz	73,99	–
1 kHz	72,93	–
1.25 kHz	71,67	–
1.6 kHz	72,11	–
2 kHz	69,89	–
2.5 kHz	81,96	–
3.15 kHz	90,89	–
4 kHz	70,19	–
5 kHz	70,24	–
6.3 kHz	77,78	–
8 kHz	65,76	–
10 kHz	65,2	–
Acoustic power above the surface	A-rated	Z-rated
	92,3	93.1

6 Deriving the Emission Sound Pressure Level at a Distance

The calculated acoustic power can be used to derive an A-rated sound pressure level L_{xpA} for undirected sources at any distance x.

$$LxpA = LwA + Ko - 10 \cdot \log\left(4 \cdot \pi \cdot \frac{X^2}{So}\right)$$

K_0 = solid angle index on the floor 3 [dB]
X = distance from the source [m]
S_0 = 1 m

Device	Distance X [m]	Sound pressure level LxpA [dBA] without fan	Sound pressure level LxpA [dBA] with fan
SC800CP-US	10	–	64,30
	50	–	50.33

7 Appendix - Calculations

deriving sound pressure level at a distance

LxpA = LWA + K0 - 10log (4*PI*(x^2/S0))

LWA 92,3dB
K0 3dB
x 10m
S0 1m

LxpA 64,31dBA

SMA America, LLC
3801 N. Havana Street
Denver, CO 80239
+1 720 369 7712
ken.christensen@SMA-America.com

June 17, 2013

To whom it may concern:

The purpose of this letter is to confirm that the SMA SC 800CP-CA inverter is in every way technically equivalent to the SC 800CP-US inverter. The only difference between these two inverters is that the CP-CA is manufactured at Celestica to meet the local content requirements of projects in Ontario.

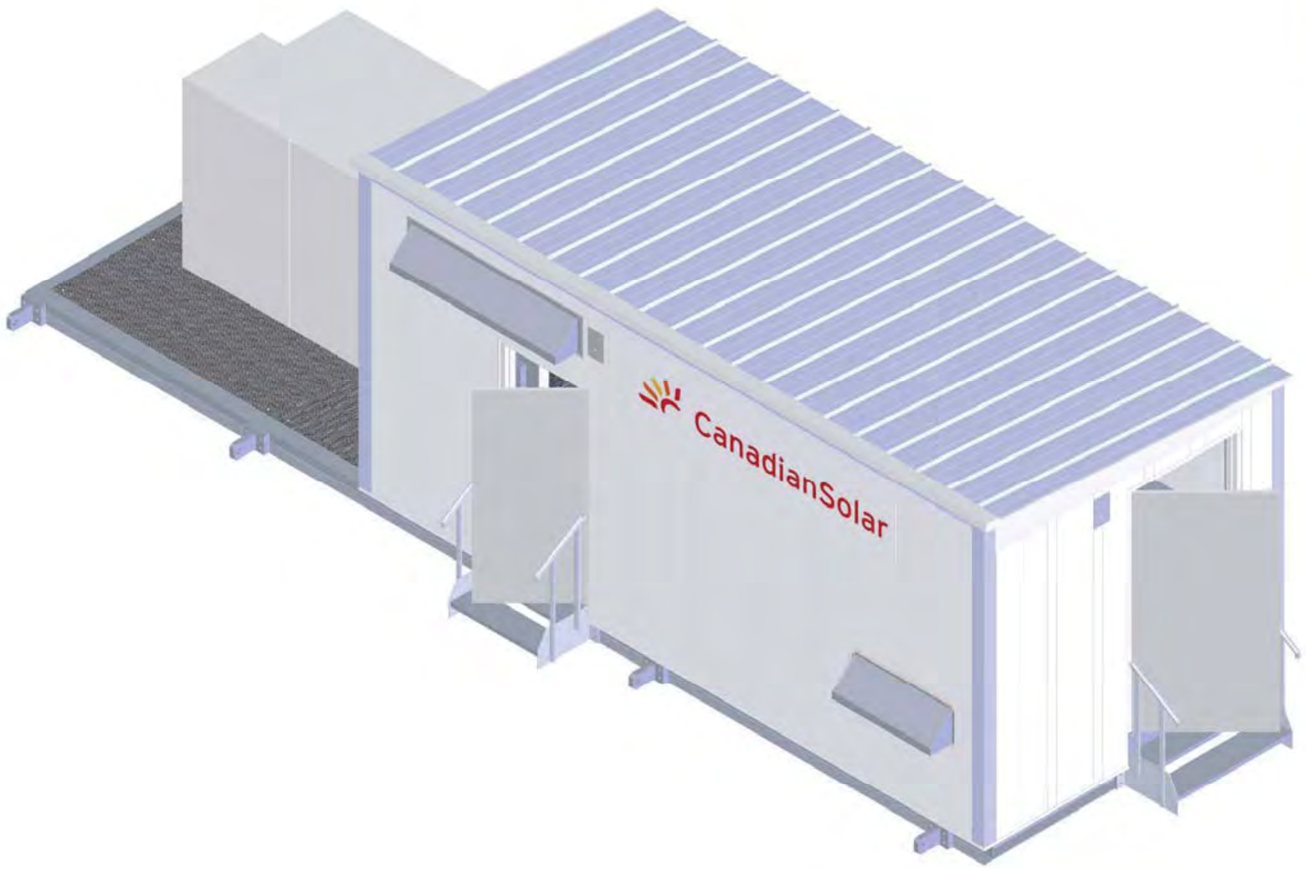
The installation manual and operators manual call out both the "CP-CA" and "CP-US" inverter names. A datasheet with the "CP-CA" name is currently being drafted and SMA will send that datasheet to you as soon as possible.

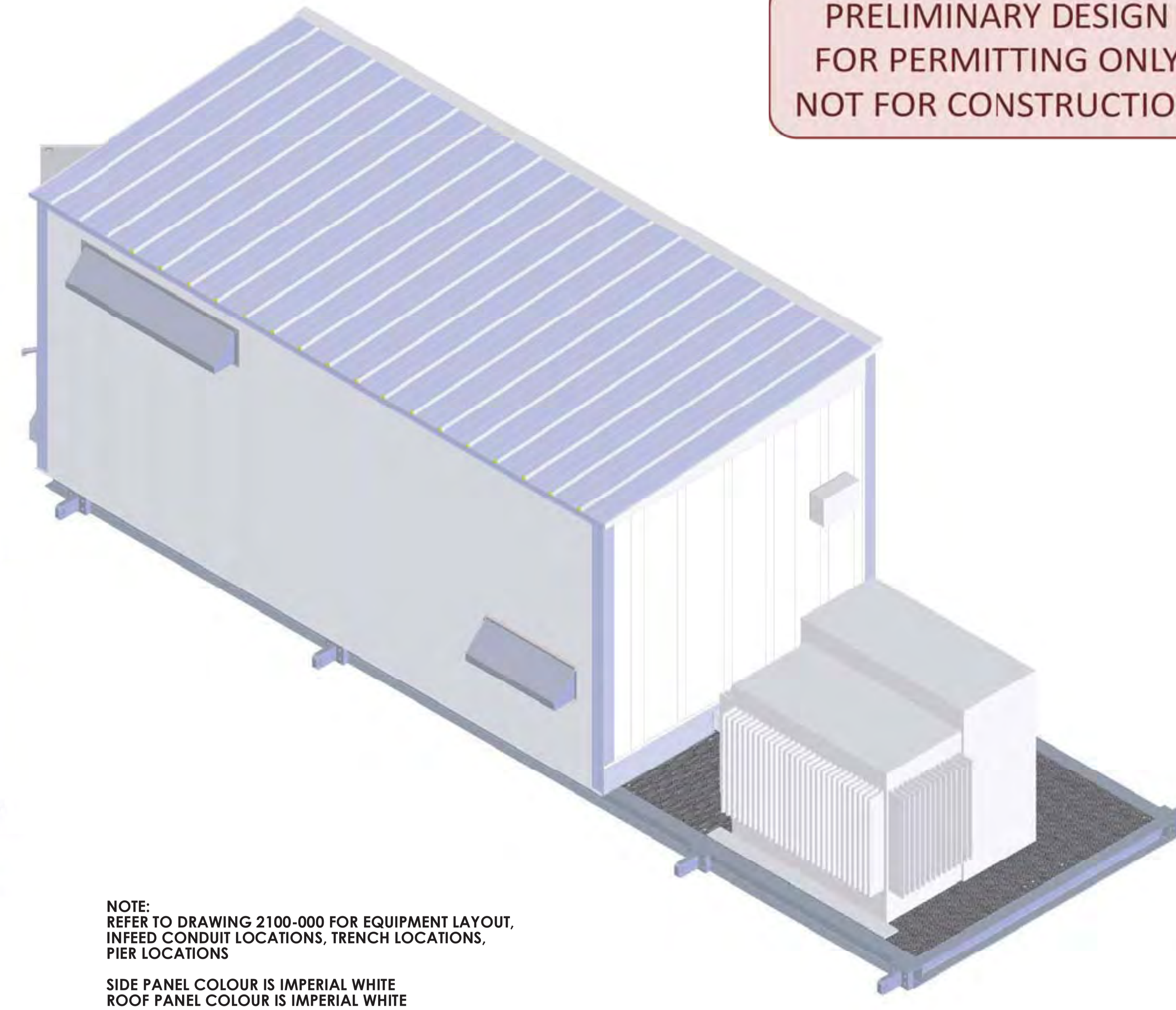
SMA values our established partnership and we look forward to supporting your PV solar projects in Ontario and the rest of the world. Should you have any questions or need additional information, please do not hesitate to contact me or anyone on the SMA team.

Sincerely,

Ken Christensen
Global Product Manager, North America

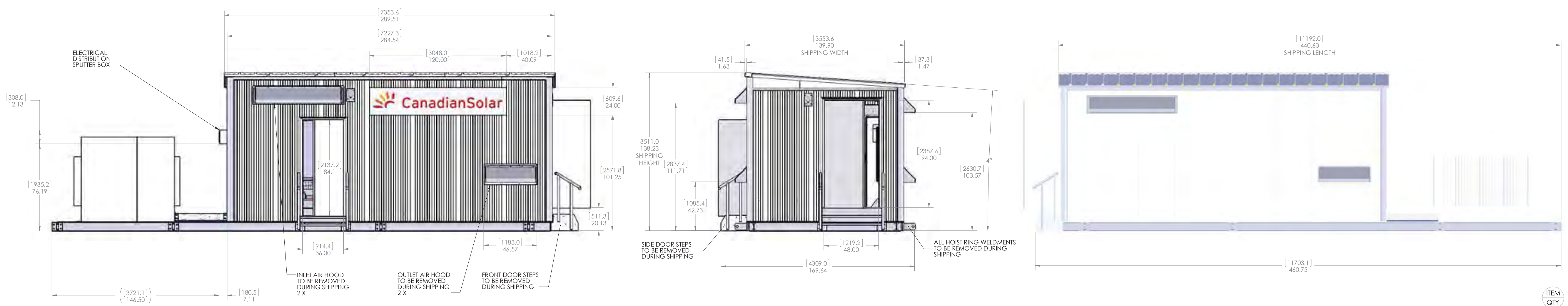
PRELIMINARY DESIGN
FOR PERMITTING ONLY
NOT FOR CONSTRUCTION





NOTE:
REFER TO DRAWING 2100-000 FOR EQUIPMENT LAYOUT, INFEED CONDUIT LOCATIONS, TRENCH LOCATIONS, PIER LOCATIONS

SIDE PANEL COLOUR IS IMPERIAL WHITE
ROOF PANEL COLOUR IS IMPERIAL WHITE



NOTE:

1. ALL STRUCTURAL FASTENERS TO BE A325 BOLTS OR GRADE 8 BOLTS
2. ALL STRUCTURAL BOLTS NEED TO BE TIGHTENED USING THE TURN OF NUT METHOD.
3. ALL BOLTS REQUIRE FIRST A SNUG FIT BETWEEN THE NUT AND BOLT AND THAN TURNED 1/3 ROTATION ±30°.

ITEM
QTY

REMOVE ALL SHARP EDGES
ALL WELDS TO BE CONTINUOUS UNLESS OTHERWISE NOTED
ALL WELDS TO CONFORM TO CWB 47.1 - LATEST EDITION

REV	REVISION DESCRIPTION	DATE	BY

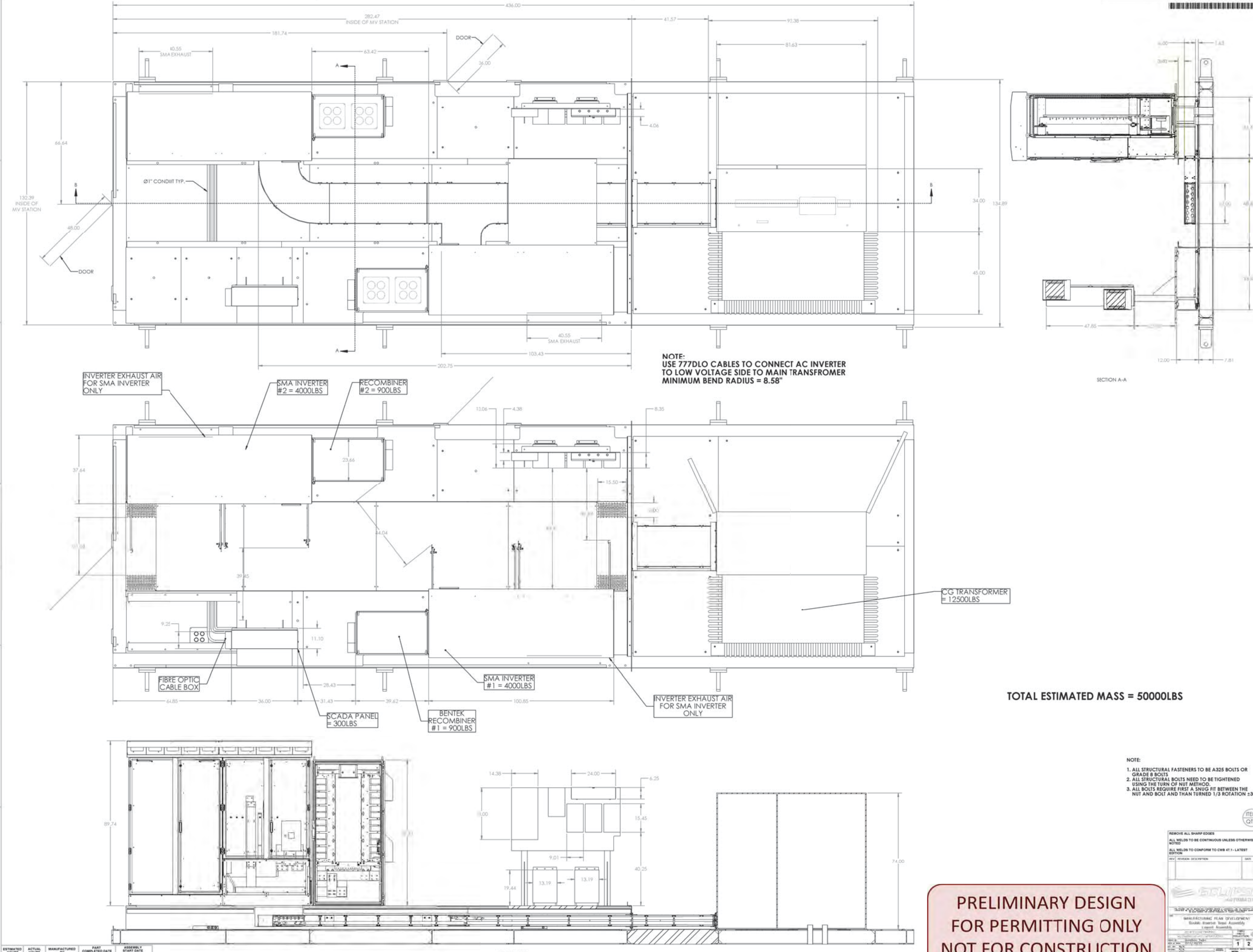
ECLIPSE AUTOMATION

MANUFACTURING PLAN DEVELOPMENT
Double Inverter General Layout
Layout Assembly

DO NOT SCALE DRAWING

M 13156-02000-000 1 1:32

ESTIMATED HOURS	ACTUAL HOURS	MANUFACTURED BY	PART COMPLETED DATE (YYYY / MM / DD)	ASSEMBLY START DATE (YYYY / MM / DD)



NOTE:
USE 777DLO CABLES TO CONNECT AC INVERTER TO LOW VOLTAGE SIDE TO MAIN TRANSFROMER
MINIMUM BEND RADIUS = 8.58"

TOTAL ESTIMATED MASS = 50000LBS

NOTE:
1. ALL STRUCTURAL FASTENERS TO BE A325 BOLTS OR GRADE B BOLTS
2. ALL STRUCTURAL BOLTS NEED TO BE TIGHTENED USING THE TURN OF NUT METHOD.
3. ALL BOLTS REQUIRE FIRST A SNUG FIT BETWEEN THE NUT AND BOLT AND THAN TURNED 1/3 ROTATION ±30°.

REMOVE ALL SHARP EDGES

ALL WELDS TO BE CONTINUOUS UNLESS OTHERWISE NOTED

ALL WELDS TO CONFORM TO CWB 47.1 - LATEST EDITION

REV	REVISION DESCRIPTION	DATE	BY

MANUFACTURING PLAN DEVELOPMENT

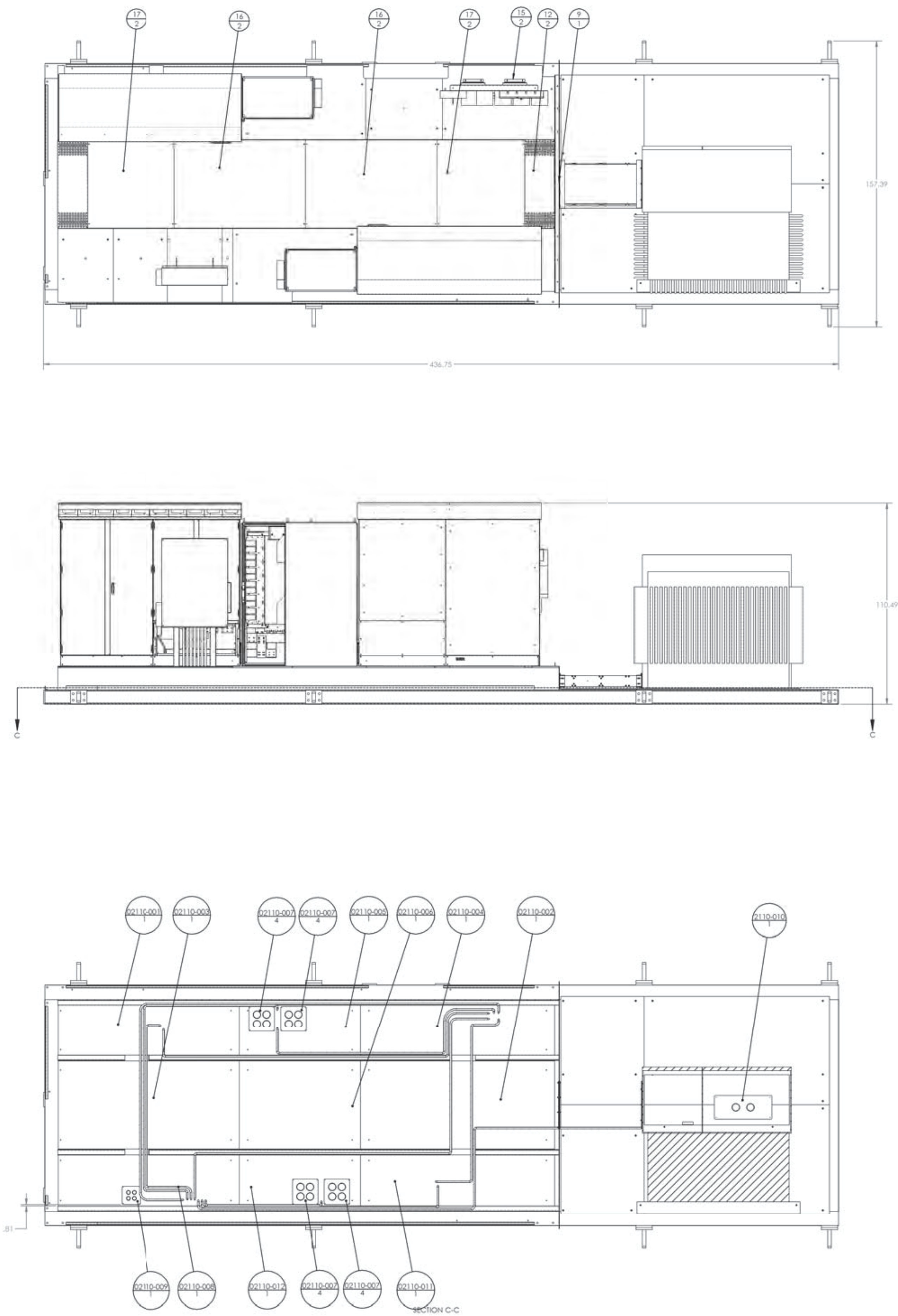
M | 13156-02100-000 | 2 | 1:16

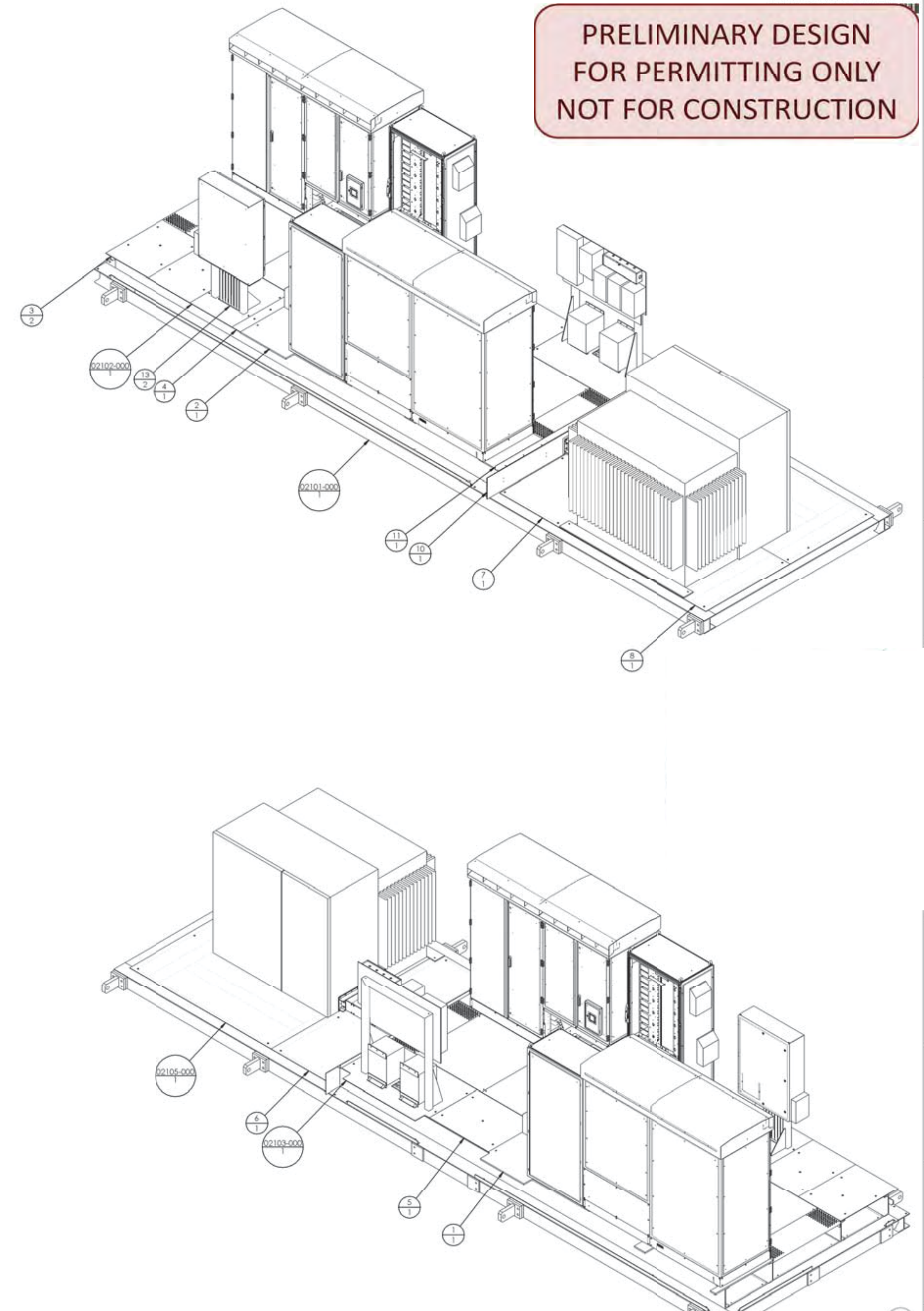
1 | 2 | E

PRELIMINARY DESIGN
FOR PERMITTING ONLY
NOT FOR CONSTRUCTION

ESTIMATED HOURS	ACTUAL HOURS	MANUFACTURED BY	PART COMPLETED DATE (YYYY-MM-DD)	ASSEMBLY START DATE (YYYY-MM-DD)

PRELIMINARY DESIGN
FOR PERMITTING ONLY
NOT FOR CONSTRUCTION





NOTE:

1. ALL STRUCTURAL FASTENERS TO BE A325 BOLTS OR GRADE 8 BOLTS
2. ALL STRUCTURAL BOLTS NEED TO BE TIGHTENED USING THE TURN OF NUT METHOD.
3. ALL BOLTS REQUIRE FIRST A SNUG FIT BETWEEN THE NUT AND BOLT AND THAN TURNED 1/3 ROTATION ±30°.

NOTE:

USE ITEMS 504,505,506 (1/2-13 HHCS) TO CONNECT THE INVERTER/RECOMBINER TO THE INVERTER MOUNTING PLATES &BASE FRAME
USE ITEMS 507,508,509 (5/8-11 HHCS) TO CONNECT THE MAIN TRANSFORMER TO THE BASE FRAME
USE ITEM 510,511,512 (1/4-20) TO CONNECT THE C CHANNEL COVER #010 TO THE MAIN FRAME
USE ITEMS 513,515,516 (1/4-20) TO CONNECT THE SMALL TRANSFORMER TO THE AC POWER STAND WELDMENT #1103
USE ITEMS 514,515,516,517 (1/4-20) TO CONNECT THE PANEL SUPPORT #011 TO THE MAIN FRAME
USE ITEMS 518,519,520,521 (3/8-16) TO CONNECT THE SMALL TRANSFORMER TO THE MOUNTING BRACKET #015

ITEM / QTY

REMOVE ALL SHARP EDGES
ALL WELDS TO BE CONTINUOUS UNLESS OTHERWISE NOTED
ALL WELDS TO CONFORM TO CWB 47.1 - LATEST EDITION

REV	REVISION DESCRIPTION	DATE	BY

MANUFACTURING PLAN DEVELOPMENT
Double Inverter Tape Assembly
Layout Assembly

2	2	E
1		

M 13156-02100-000 2 1:24

ESTIMATED HOURS	ACTUAL HOURS	MANUFACTURED BY	PART COMPLETED DATE (YYYY-MM-DD)	ASSEMBLY START DATE (YYYY-MM-DD)

1.6 MVA Inverter Transformer - Sound Power Calc. based on Manufacturer-specified rating of 49 dBA (ONAN)

Tranformer Length	79.1	in.
Transformer Width	92.5	in.
Transformer Height	77.0	in.
Horizontal surface area (transformer top + 0.3m)	11926	$in.^2$
Vertical Surface area (+ 0.3m in each direction)	33699	$in.^2$
	317	ft^2
Total Surface area	29.5	m^2

Lw = Lp + 10 x log (S)

Lp	49	dBA
Lw	63.69	dBA

Centre Frequency	Corr1	Corr2	PWL	add 5 dB	PWL (A-weighted)
31.5	-1	-2.4	60.29	65.29	65.29
63	5	-2.4	66.29	71.29	71.29
125	7	-2.4	68.29	73.29	73.29
250	2	-2.4	63.29	68.29	68.29
500	2	-2.4	63.29	68.29	68.29
1000	-4	-2.4	57.29	62.29	62.29
2000	-9	-2.4	52.29	57.29	57.29
4000	-14	-2.4	47.29	52.29	52.29
8000	-21	-2.4	40.29	45.29	45.29
Overall:			**72.3**	**77.3**	**77.3**

Lp: Sound pressure level
Lw: Sound Power Level

0.8 MVA Inverter Transformer - Sound Power Calc. based on Manufacturer-specified rating of 51 dBA (ONAN)

Tranformer Length	74.0	in.
Transformer Width	61.0	in.
Transformer Height	74.0	in.
Horizontal surface area (transformer top + 0.3m)	8261	$in.^2$
Vertical Surface area (+ 0.3m in each direction)	26972	$in.^2$
	245	ft^2
Total Surface area	22.7	m^2

Lw = Lp + 10 x log (S)

Lp	51	dBA
Lw	64.57	dBA

Centre Frequency	Corr1	Corr2	PWL	add 5 dB	PWL (A-weighted)
31.5	-1	-2.4	61.17	66.17	66.17
63	5	-2.4	67.17	72.17	72.17
125	7	-2.4	69.17	74.17	74.17
250	2	-2.4	64.17	69.17	69.17
500	2	-2.4	64.17	69.17	69.17
1000	-4	-2.4	58.17	63.17	63.17
2000	-9	-2.4	53.17	58.17	58.17
4000	-14	-2.4	48.17	53.17	53.17
8000	-21	-2.4	41.17	46.17	46.17
Overall:			**73.2**	**78.2**	**78.2**

Lp: Sound pressure level
Lw: Sound Power Level

CONVERSION OF SOUND PRESSURE LEVELS TO SOUND POWER LEVELS

Project Name: Sol-Luce Kingston PV Energy Project
Project Number: TC111406
Location: Kingston ON

A-WEIGHTING (dB) - Applied to total PWL							
-26.2	-16.1	-8.6	-3.2	0.0	1.2	1.0	-1.1

1/4 WAVELENGTH CRITERION (m)							
1.361	0.686	0.343	0.172	0.086	0.043	0.021	0.011

Source ID	Source Description	Calc Type [1] (A, C, or S)	SPL Ref Distance [2] (S or C) (m)	Length [3] (C only) (m)	Area (A only) (m^2)	Partition Coefficient (S or C) (%)	Net Surface Area [6] (m^2)	Spectral Weighting (A or Flat)	Octave Band Sound Pressure Level Data (dB) [5] 63	125	250	500	1000	2000	4000	8000	Total (dBA)
Sub_Transf	Substation Transformer	A			162.2		162.2	Flat	86.6	88.6	83.6	83.6	77.6	72.6	67.6	60.6	84.0

Sound Power Level Adjustment (dB)	Purpose	Octave Band Sound Power Level Data (dB) 63	125	250	500	1000	2000	4000	8000	Total (dBA)
		108.7	110.7	105.7	105.7	99.7	94.7	89.7	82.7	106.1

Notes:
1. Calc Type of C, A, or S refer to the source geometry, and represent Cylindrical, Area, or Spherical sources, respectively.
2. SPL Ref Distance refers to the radial distance from the microphone to the acoustic centre of a spherical source or the symmetrical axis of a cylindrical source.
3. Length refers to the length of a cylindrical source or line source. A length of 1.0 m may be used to define a PWL per metre.
4. Net surface area refers to surface area corrected for partition coefficient. Partition coefficient applies only to spherical and cylindrical geometries. Sound power level is estimated using an area correction 10 log A.
5. Tansformer Spectral Shape for 84 dBA overal.

APPENDIX B
CADNA Noise Modelling & Calculations

Receiver: Vacant Lot Receptor
ID: S-VLR16
X: 368417
Y: 4908173
Z: 4.5
Ground: 0

ISO	Description	ID	X	Y	Z	Ground	ReflOrd	LxT	LxN	L/A	Dist.	hm	Freq	Adiv	K0b	Agr	Abar	z	Aatm	Afol	Ahous	Cmet	CmetN	Dc	RL	LtotT	LtotN
	Inverters	S_14B_1_I	368168	4907839	2	0	0	100.3	100.3	1	416.61	3.25	0	63.39	0	-0.61	0	0	7.75	0	0	0	0	0	0	29.75	29.75
	Inverters	S_14A_8_I	368510	4907704	2	0	0	100.3	100.3	1	478.14	3.25	0	64.59	0	-0.56	0	0	8.31	0	0	0	0	0	0	27.95	27.95
	Inverters	S_14A_12_I	368343	4907668	2	0	0	100.3	100.3	1	510.4	3.25	0	65.16	0	-0.54	0	0	8.56	0	0	0	0	0	0	27.11	27.11
	Inverters	S_14B_6_I	367942	4907930	2	0	0	100.3	100.3	1	533.55	3.25	0	65.54	0	-0.52	0	0	8.73	0	0	0	0	0	0	26.54	26.54
	Inverters	S_14B_2_I	368175	4907668	2	0	0	100.3	100.3	1	560	3.25	0	65.96	0	-0.5	0	0	8.91	0	0	0	0	0	0	25.92	25.92
	Inverters	S_14B_5_I	367950	4907759	2	0	0	100.3	100.3	1	624.09	3.25	0	66.9	0	-0.46	0	0	9.3	0	0	0	0	0	0	24.55	24.55
	Inverters	S_14A_13_I	368351	4907479	2	0	0	100.3	100.3	1	697.14	3.25	0	67.87	0	-0.41	0	0	9.68	0	0	0	0	0	0	23.16	23.16
	Inverters	S_14A_7_I	368520	4907479	2	0	0	100.3	100.3	1	701.61	3.25	0	67.92	0	-0.41	0	0	9.7	0	0	0	0	0	0	23.08	23.08
	Inverters	S_14A_3_I	368687	4907506	2	0	0	100.3	100.3	1	719.58	3.25	0	68.14	0	-0.4	0	0	9.78	0	0	0	0	0	0	22.76	22.76
	Inverters	S_14B_3_I	368184	4907470	2	0	0	100.3	100.3	1	740.61	3.25	0	68.39	0	-0.38	0	0	9.88	0	0	0	0	0	0	22.41	22.41
	Inverters	S_14B_4_I	367957	4907579	2	0	0	100.3	100.3	1	751.29	3.25	0	68.52	0	-0.38	0	0	9.93	0	0	0	0	0	0	22.23	22.23
	Inverters	S_14A_14_I	368357	4907344	2	0	0	100.3	100.3	1	831.17	3.25	0	69.39	0	-0.33	0	0	10.26	0	0	0	0	0	0	20.97	20.97
	Inverters	S_25B_9_I	369037	4908803	2	0	0	100.3	100.3	1	883.92	3.25	0	69.93	0	-0.3	0	0	10.46	0	0	0	0	0	0	20.21	20.21
	Inverters	S_14A_4_I	368695	4907317	2	0	0	100.3	100.3	1	900.01	3.25	0	70.08	0	-0.3	0	0	10.52	0	0	0	0	0	0	19.98	19.98
	Inverters	S_14A_9_I	368501	4907930	2	0	0	89	89	1	257.12	3.25	0	59.2	0	0.35	0	0	3.76	0	0	0	0	0	0	25.73	25.73
	Inverters	S_14C_2_I	367669	4907587	2	0	0	100.3	100.3	1	950.21	3.25	0	70.56	0	-0.27	0	0	10.69	0	0	0	0	0	0	19.31	19.31
	Inverters	S_14A_6_I	368484	4907209	2	0	0	100.3	100.3	1	966.33	3.25	0	70.7	0	-0.26	0	0	10.75	0	0	0	0	0	0	19.1	19.1
	Inverters	S_14C_1_I	367747	4907417	2	0	0	100.3	100.3	1	1010.2	3.25	0	71.09	0	-0.24	0	0	10.89	0	0	0	0	0	0	18.55	18.55
	Inverters	S_25B_8_I	369029	4909001	2	0	0	100.3	100.3	1	1029.6	3.25	0	71.25	0	-0.23	0	0	10.96	0	0	0	0	0	0	18.31	18.31
	Inverters	S_25A_9_I	369258	4908857	2	0	0	100.3	100.3	1	1084	3.25	0	71.7	0	-0.2	0	0	11.13	0	0	0	0	0	0	17.66	17.66
	Inverters	S_25A_8_I	369251	4909001	2	0	0	100.3	100.3	1	1175.2	3.25	0	72.4	0	-0.16	0	0	11.4	0	0	0	0	0	0	16.65	16.65
	Inverters	S_14A_10_I	368162	4907974	2	0	0	89	89	1	323.47	3.25	0	61.2	0	0.4	0	0	4.26	0	0	0	0	0	0	23.19	23.19
	Inverters	S_25B_7_I	369021	4909199	2	0	0	100.3	100.3	1	1190.6	3.25	0	72.52	0	-0.16	0	0	11.45	0	0	0	0	0	0	16.48	16.48
	Inverters	S_4_3_I	369294	4909001	2	0	0	100.3	100.3	1	1206.1	3.25	0	72.63	0	-0.15	0	0	11.49	0	0	0	0	0	0	16.32	16.32
	Inverters	S_14A_11_I	368336	4907840	2	0	0	89	89	1	342.72	3.25	0	61.7	0	0.41	0	0	4.39	0	0	0	0	0	0	22.55	22.55
	Inverters	S_14A_1_I	368669	4907930	2	0	0	89	89	1	350.08	3.25	0	61.88	0	0.42	0	0	4.43	0	0	0	0	0	0	22.32	22.32
	Inverters	S_25A_7_I	369242	4909199	2	0	0	100.3	100.3	1	1316.6	3.25	0	73.39	0	-0.1	0	0	11.8	0	0	0	0	0	0	15.2	15.2
	Inverters	S_4_2_I	369287	4909199	2	0	0	100.3	100.3	1	1345.2	3.25	0	73.58	0	-0.09	0	0	11.88	0	0	0	0	0	0	14.93	14.93
	Inverters	S_25B_6_I	369013	4909397	2	0	0	100.3	100.3	1	1361.4	3.25	0	73.68	0	-0.09	0	0	11.92	0	0	0	0	0	0	14.78	14.78
	Inverters	S_25A_6_I	369235	4909397	2	0	0	100.3	100.3	1	1472.2	3.25	0	74.36	0	-0.04	0	0	12.21	0	0	0	0	0	0	13.77	13.77
	Inverters	S_4_1_I	369280	4909397	2	0	0	100.3	100.3	1	1497.7	3.25	0	74.51	0	-0.03	0	0	12.27	0	0	0	0	0	0	13.55	13.55
	Inverters	S_25B_5_I	369005	4909595	2	0	0	100.3	100.3	1	1538.8	3.25	0	74.74	0	-0.02	0	0	12.37	0	0	0	0	0	0	13.19	13.19
	Inverters	S_4_4_I	369318	4908858	2	0	0	97.3	97.3	1	1131.8	3.25	0	72.08	0	-0.18	0	0	11.33	0	0	0	0	0	0	14.1	14.1
	Inverters	S_3_4_I	369981	4908514	2	0	0	100.3	100.3	1	1600.7	3.25	0	75.09	0	0	0	0	12.52	0	0	0	0	0	0	12.68	12.68
	Inverters	S_25A_5_I	369227	4909595	2	0	0	100.3	100.3	1	1636.5	3.25	0	75.28	0	0.02	0	0	12.6	0	0	0	0	0	0	12.39	12.39
	Inverters	S_3_3_I	370019	4908694	2	0	0	100.3	100.3	1	1684.6	3.25	0	75.53	0	0.03	0	0	12.72	0	0	0	0	0	0	12.01	12.01
	Inverters	S_25B_4_I	368997	4909793	2	0	0	100.3	100.3	1	1720.7	3.25	0	75.71	0	0.05	0	0	12.8	0	0	0	0	0	0	11.73	11.73
	Inverters	S_3_2_I	370014	4908857	2	0	0	100.3	100.3	1	1737.3	3.25	0	75.8	0	0.05	0	0	12.84	0	0	0	0	0	0	11.6	11.6
	Inverters	S_25A_4_I	369219	4909793	2	0	0	100.3	100.3	1	1807.7	3.25	0	76.14	0	0.07	0	0	13	0	0	0	0	0	0	11.08	11.08
	Inverters	S_12_2_I	370091	4907340	2	0	0	100.3	100.3	1	1869.8	3.25	0	76.44	0	0.09	0	0	13.13	0	0	0	0	0	0	10.63	10.63
	Inverters	S_3_1_I	370016	4909146	2	0	0	100.3	100.3	1	1871.8	3.25	0	76.45	0	0.09	0	0	13.14	0	0	0	0	0	0	10.61	10.61
	Inverters	S_25B_3_I	368989	4909991	2	0	0	100.3	100.3	1	1905.9	3.25	0	76.6	0	0.1	0	0	13.21	0	0	0	0	0	0	10.37	10.37
	Inverters	S_2_1_I	370225	4908848	2	0	0	100.3	100.3	1	1929.9	3.25	0	76.71	0	0.11	0	0	13.26	0	0	0	0	0	0	10.21	10.21
	Inverters	S_14A_2_I	368678	4907713	2	0	0	89	89	1	528.89	3.25	0	65.47	0	0.55	0	0	5.2	0	0	0	0	0	0	17.83	17.83
	Inverters	S_2_2_I	370320	4908704	2	0	0	100.3	100.3	1	1975.7	3.25	0	76.91	0	0.12	0	0	13.36	0	0	0	0	0	0	9.89	9.89
	Inverters	S_25A_3_I	369211	4909991	2	0	0	100.3	100.3	1	1983.8	3.25	0	76.95	0	0.13	0	0	13.38	0	0	0	0	0	0	9.84	9.84
	Inverters	S_12_1_I	370241	4907365	2	0	0	100.3	100.3	1	1995	3.25	0	77	0	0.13	0	0	13.45	0	0	0	0	0	0	9.73	9.73
	Inverters	S_12_3_I	370202	4907134	2	0	0	100.3	100.3	1	2065.4	3.25	0	77.3	0	0.15	0	0	13.55	0	0	0	0	0	0	9.29	9.29
	Inverters	S_25B_2_I	368982	4910180	2	0	0	100.3	100.3	1	2085	3.25	0	77.38	0	0.16	0	0	13.59	0	0	0	0	0	0	9.16	9.16

Inverters	S_25A_1_I	369091	4910370	2	0	0	100.3	100.3	1	2298.1	3.25	0	78.23	0	0.21	0	0	14.02	0	0	0	0	0	0	7.83	7.83
Inverters	S_25B_10_I	369045	4908605	2	0	0	89	89	1	762.24	3.25	0	68.64	0	0.63	0	0	5.8	0	0	0	0	0	0	13.97	13.97
Inverters	S_25A_2_I	369028	4910180	2	0	0	97.3	97.3	1	2098	3.25	0	77.44	0	0.16	0	0	13.62	0	0	0	0	0	0	6.08	6.08
Inverters	S_25A_11_I	369174	4908481	2	0	0	89	89	1	817.26	3.25	0	69.25	0	0.65	0	0	5.92	0	0	0	0	0	0	13.24	13.24
Inverters	S_19_3_I	365821	4906637	2	0	0	100.3	100.3	1	3016.4	3.25	0	80.59	0	0.37	0	0	15.35	0	0	0	0	0	0	3.98	3.98
Inverters	S_25A_10_I	369182	4908507	2	0	0	89	89	1	834.74	3.25	0	69.43	0	0.65	0	0	5.95	0	0	0	0	0	0	13.01	13.01
Inverters	S_25B_1_I	368975	4910359	2	0	0	97.3	97.3	1	2256.1	3.25	0	78.07	0	0.2	0	0	13.99	0	0	0	0	0	0	5.06	5.06
Inverters	S_20_1_I	365584	4906625	2	0	0	100.3	100.3	1	3228.3	3.25	0	81.18	0	0.41	0	0	15.72	0	0	0	0	0	0	2.98	2.98
Inverter Transformer	S_14A_9_T	368496	4907930	2	0	0	77.3	77.3	1	255.53	3.25	0	59.15	0	-0.8	0	0	0.2	0	0	0	0	0	0	18.79	18.79
Inverters	S_14A_5_I	368656	4907147	2	0	0	89	89	1	1053.5	3.25	0	71.45	0	0.7	0	0	6.37	0	0	0	0	0	0	10.52	10.52
Inverters	S_21_2_I	364717	4906166	2	0	0	100.3	100.3	1	4209.3	3.25	0	83.48	0	0.56	0	0	17.33	0	0	0	0	0	0	-1.08	-1.08
Inverters	S_21_3_I	364759	4906066	2	0	0	100.3	100.3	1	4221.4	3.25	0	83.51	0	0.56	0	0	17.35	0	0	0	0	0	0	-1.13	-1.13
Inverters	S_21_4_I	364821	4905922	2	0	0	100.3	100.3	1	4242.4	3.25	0	83.55	0	0.56	0	0	17.38	0	0	0	0	0	0	-1.21	-1.21
Inverters	S_21_6_I	365008	4905559	2	0	0	100.3	100.3	1	4295.8	3.25	0	83.66	0	0.57	0	0	17.46	0	0	0	0	0	0	-1.41	-1.41
Inverters	S_22_1_I	364678	4905894	2	0	0	100.3	100.3	1	4378.8	3.25	0	83.83	0	0.58	0	0	17.59	0	0	0	0	0	0	-1.71	-1.71
Inverters	S_21_7_I	365035	4905378	2	0	0	100.3	100.3	1	4387.5	3.25	0	83.84	0	0.58	0	0	17.61	0	0	0	0	0	0	-1.74	-1.74
Inverters	S_19_5_I	365801	4906394	2	0	0	97.3	97.3	1	3163.6	3.25	0	81	0	0.4	0	0	15.61	0	0	0	0	0	0	0.28	0.28
Inverters	S_24_2_I	365168	4905045	2	0	0	100.3	100.3	1	4510	3.25	0	84.08	0	0.6	0	0	17.79	0	0	0	0	0	0	-2.19	-2.19
Inverters	S_23_2_I	364481	4905840	2	0	0	100.3	100.3	1	4575.5	3.25	0	84.21	0	0.6	0	0	17.89	0	0	0	0	0	0	-2.42	-2.42
Inverter Transformer	S_14A_10_T	368157	4907974	2	0	0	77.3	77.3	1	327.43	3.25	0	61.3	0	-1.13	0	0	0.25	0	0	0	0	0	0	16.91	16.91
Inverters	S_23_3_I	364566	4905641	2	0	0	100.3	100.3	1	4608.8	3.25	0	84.27	0	0.61	0	0	17.94	0	0	0	0	0	0	-2.54	-2.54
Inverters	S_23_4_I	364662	4905414	2	0	0	100.3	100.3	1	4659.6	3.25	0	84.37	0	0.61	0	0	18.02	0	0	0	0	0	0	-2.71	-2.71
Inverter Transformer	S_14A_11_T	368331	4907840	2	0	0	77.3	77.3	1	343.93	3.25	0	61.73	0	-1.18	0	0	0.27	0	0	0	0	0	0	16.53	16.53
Inverter Transformer	S_14A_1_T	368664	4907930	2	0	0	77.3	77.3	1	346.5	3.25	0	61.79	0	-1.19	0	0	0.27	0	0	0	0	0	0	16.47	16.47
Inverters	S_21_1_I	364686	4906355	2	0	0	97.3	97.3	1	4150.4	3.25	0	83.36	0	0.55	0	0	17.24	0	0	0	0	0	0	-3.86	-3.86
Inverter Transformer	S_14B_1_T	368163	4907839	2	0	0	77.3	77.3	1	419.62	3.25	0	63.46	0	-1.37	0	0	0.32	0	0	0	0	0	0	14.94	14.94
Inverters	S_21_5_I	364930	4905785	2	0	0	97.3	97.3	1	4226.3	3.25	0	83.52	0	0.56	0	0	17.36	0	0	0	0	0	0	-4.15	-4.15
Inverters	S_22_2_I	364782	4905647	2	0	0	97.3	97.3	1	4426.5	3.25	0	83.92	0	0.59	0	0	17.67	0	0	0	0	0	0	-4.89	-4.89
Inverters	S_23_5_I	364735	4905244	2	0	0	97.3	97.3	1	4704.9	3.25	0	84.45	0	0.62	0	0	18.09	0	0	0	0	0	0	-5.87	-5.87
Inverter Transformer	S_14A_8_T	368505	4907704	2	0	0	77.3	77.3	1	477.19	3.25	0	64.57	0	-1.48	0	0	0.36	0	0	0	0	0	0	13.89	13.89
Inverter Transformer	S_14A_12_T	368338	4907668	2	0	0	77.3	77.3	1	511.15	3.25	0	65.17	0	-1.53	0	0	0.38	0	0	0	0	0	0	13.32	13.32
Inverter Transformer	S_14A_2_T	368673	4907713	2	0	0	77.3	77.3	1	526.44	3.25	0	65.43	0	-1.55	0	0	0.39	0	0	0	0	0	0	13.07	13.07
Inverter Transformer	S_14B_6_T	367937	4907930	2	0	0	77.3	77.3	1	538.01	3.25	0	65.62	0	-1.56	0	0	0.4	0	0	0	0	0	0	12.89	12.89
Sol_Luce Substation	S_Substation	369426	4908792	3	0	0	84	84	1	1183.7	3.75	0	72.47	0	-0.65	0	0	2.89	0	0	0	0	0	0	9.27	9.27
Inverter Transformer	S_14B_2_T	368170	4907668	2	0	0	77.3	77.3	1	562.17	3.25	0	66	0	-1.59	0	0	0.41	0	0	0	0	0	0	12.52	12.52
Inverters	S_12_4_I	370255	4906972	2	0	0	89	89	1	2195.6	3.25	0	77.83	0	0.96	0	0	8.32	0	0	0	0	0	0	1.94	1.94
SubstationTransformer	W_ST	369702.9	4906057	2.5	0	0	89.4	89.4	1	2476.1	3.5	0	78.88	0	-0.05	0	0	5.15	0	0	0	0	0	0	5.4	5.4
Inverter Transformer	S_14B_5_T	367945	4907759	2	0	0	77.3	77.3	1	627.84	3.25	0	66.96	0	-1.66	0	0	0.45	0	0	0	0	0	0	11.59	11.59
Inverter Transformer	S_14A_13_T	368346	4907479	2	0	0	77.3	77.3	1	697.63	3.25	0	67.87	0	-1.72	0	0	0.5	0	0	0	0	0	0	10.69	10.69
Inverter Transformer	S_14A_7_T	368515	4907479	2	0	0	77.3	77.3	1	700.89	3.25	0	67.91	0	-1.72	0	0	0.5	0	0	0	0	0	0	10.65	10.65
Inverter Transformer	S_14A_3_T	368682	4907506	2	0	0	77.3	77.3	1	717.72	3.25	0	68.12	0	-1.74	0	0	0.51	0	0	0	0	0	0	10.45	10.45
Inverter Transformer	S_14B_3_T	368179	4907470	2	0	0	77.3	77.3	1	742.2	3.25	0	68.41	0	-1.75	0	0	0.53	0	0	0	0	0	0	10.16	10.16
Inverters	S_19_2_I	365970	4906655	2	0	0	89	89	1	2879.6	3.25	0	80.19	0	1.12	0	0	9.39	0	0	0	0	0	0	-1.65	-1.65
Inverter Transformer	S_14B_4_T	367952	4907579	2	0	0	77.3	77.3	1	754.37	3.25	0	68.55	0	-1.76	0	0	0.53	0	0	0	0	0	0	10.02	10.02
Inverters	S_19_1_I	365849	4906817	2	0	0	89	89	1	2904	3.25	0	80.26	0	1.13	0	0	9.43	0	0	0	0	0	0	-1.77	-1.77
Inverter Transformer	S_25B_10_T	369050	4908605	2	0	0	77.3	77.3	1	766.37	3.25	0	68.69	0	-1.77	0	0	0.54	0	0	0	0	0	0	9.89	9.89
Inverter Transformer	S_25A_11_T	369179	4908481	2	0	0	77.3	77.3	1	821.9	3.25	0	69.3	0	-1.81	0	0	0.57	0	0	0	0	0	0	9.29	9.29
Inverter Transformer	S_14A_14_T	368352	4907344	2	0	0	77.3	77.3	1	831.55	3.25	0	69.4	0	-1.82	0	0	0.58	0	0	0	0	0	0	9.19	9.19
Inverter Transformer	S_25A_10_T	369187	4908507	2	0	0	77.3	77.3	1	839.32	3.25	0	69.48	0	-1.83	0	0	0.58	0	0	0	0	0	0	9.11	9.11
Inverter Transformer	S_25B_9_T	369042	4908803	2	0	0	77.3	77.3	1	887.43	3.25	0	69.96	0	-1.86	0	0	0.61	0	0	0	0	0	0	8.63	8.63
Inverter Transformer	S_14A_4_T	368690	4907317	2	0	0	77.3	77.3	1	898.48	3.25	0	70.07	0	-1.87	0	0	0.62	0	0	0	0	0	0	8.52	8.52
Inverter Transformer	S_14C_2_T	367674	4907587	2	0	0	77.3	77.3	1	946.28	3.25	0	70.52	0	-1.9	0	0	0.65	0	0	0	0	0	0	8.07	8.07
Inverter Transformer	S_14A_6_T	368489	4907209	2	0	0	77.3	77.3	1	966.69	3.25	0	70.71	0	-1.91	0	0	0.66	0	0	0	0	0	0	7.89	7.89
Inverter Transformer	S_14C_1_T	367752	4907417	2	0	0	77.3	77.3	1	1006.9	3.25	0	71.06	0	-1.94	0	0	0.68	0	0	0	0	0	0	7.54	7.54
Inverter Transformer	S_4_4_T	369313	4908858	2	0	0	78.2	78.2	1	1127.9	3.25	0	72.05	0	-2.01	0	0	0.75	0	0	0	0	0	0	7.45	7.45
Inverter Transformer	S_25B_8_T	369034	4909001	2	0	0	77.3	77.3	1	1032.6	3.25	0	71.28	0	-1.95	0	0	0.7	0	0	0	0	0	0	7.32	7.32
Inverter Transformer	S_14A_5_T	368661	4907147	2	0	0	77.3	77.3	1	1054.6	3.25	0	71.46	0	-1.97	0	0	0.71	0	0	0	0	0	0	7.14	7.14

Inverter Transformer	S_25A_9_T	369263	4908857	2	0	0	77.3	77.3	1	1087.9	3.25	0	71.73	0	-1.99	0	0	0.73	0	0	0	0	0	0	6.87	6.87
Gardiner Substation	G_Sub	366586.3	4903349.9	2.5	0	0	90.8	90.8	1	5158.9	4.25	0	85.25	0	1.69	2.34	0.39	8.81	0	0	0	0	0	0	-7.31	-7.31
Inverters	S_24_1_I	365313	4904994	2	0	0	89	89	1	4443.1	3.25	0	83.95	0	1.51	0	0	11.66	0	0	0	0	0	0	-8.08	-8.08
Inverters	S_23_1_I	364448	4906039	2	0	0	89	89	1	4506.3	3.25	0	84.08	0	1.52	0	0	11.75	0	0	0	0	0	0	-8.3	-8.3
Hut4Inverter1	W_H4I1	369417.3	4906578	2	0	0	81.4	81.4	1	1882.7	3.25	0	76.5	0	0.95	0	0	4.73	0	0	0	0	0	0	-0.73	-0.73
Hut4Inverter2	W_H4I2	369419.8	4906578	2	0	0	81.4	81.4	1	1884.1	3.25	0	76.5	0	0.95	0	0	4.73	0	0	0	0	0	0	-0.74	-0.74
Inverter Transformer	S_25A_8_T	369256	4909001	2	0	0	77.3	77.3	1	1178.8	3.25	0	72.43	0	-2.04	0	0	0.78	0	0	0	0	0	0	6.17	6.17
Inverter Transformer	S_25B_7_T	369026	4909199	2	0	0	77.3	77.3	1	1193.1	3.25	0	72.53	0	-2.05	0	0	0.79	0	0	0	0	0	0	6.07	6.07
Inverter Transformer	S_4_3_T	369289	4909001	2	0	0	77.3	77.3	1	1202.5	3.25	0	72.6	0	-2.05	0	0	0.79	0	0	0	0	0	0	6	6
Hut8Inverter1	W_H8I1	369575.8	4906578	2	0	0	81.4	81.4	1	1971.5	3.25	0	76.9	0	0.99	0	0	4.86	0	0	0	0	0	0	-1.31	-1.31
Hut8Inverter2	W_H8I2	369578.3	4906578	2	0	0	81.4	81.4	1	1973	3.25	0	76.9	0	0.99	0	0	4.86	0	0	0	0	0	0	-1.32	-1.32
Hut9Inverter1	W_H9I1	369382.1	4906387.6	2	0	0	81.4	81.4	1	2029.6	3.25	0	77.15	0	1.02	0	0	4.95	0	0	0	0	0	0	-1.67	-1.67
Hut9Inverter2	W_H9I2	369384.6	4906387.6	2	0	0	81.4	81.4	1	2030.7	3.25	0	77.15	0	1.02	0	0	4.95	0	0	0	0	0	0	-1.68	-1.68
Hut7Inverter1	W_H7I1	369722.3	4906578	2	0	0	81.4	81.4	1	2061	3.25	0	77.28	0	1.03	0	0	5	0	0	0	0	0	0	-1.87	-1.87
Hut7Inverter2	W_H7I2	369724.8	4906578	2	0	0	81.4	81.4	1	2062.6	3.25	0	77.29	0	1.03	0	0	5	0	0	0	0	0	0	-1.88	-1.88
Inverter Transformer	S_25A_7_T	369247	4909199	2	0	0	77.3	77.3	1	1319.7	3.25	0	73.41	0	-2.11	0	0	0.86	0	0	0	0	0	0	5.19	5.19
Inverter Transformer	S_4_2_T	369282	4909199	2	0	0	77.3	77.3	1	1342	3.25	0	73.55	0	-2.13	0	0	0.87	0	0	0	0	0	0	5.04	5.04
Hut5Inverter1	W_H5I1	369874.7	4906578	2	0	0	81.4	81.4	1	2160.8	3.25	0	77.69	0	1.07	0	0	5.14	0	0	0	0	0	0	-2.47	-2.47
Hut5Inverter2	W_H5I2	369877.2	4906578	2	0	0	81.4	81.4	1	2162.5	3.25	0	77.7	0	1.07	0	0	5.15	0	0	0	0	0	0	-2.48	-2.48
Inverter Transformer	S_25B_6_T	369018	4909397	2	0	0	77.3	77.3	1	1363.6	3.25	0	73.69	0	-2.14	0	0	0.88	0	0	0	0	0	0	4.9	4.9
Hut3Inverter1	W_H3I1	369323.4	4906173	2	0	0	81.4	81.4	1	2195.8	3.25	0	77.83	0	1.09	0	0	5.19	0	0	0	0	0	0	-2.67	-2.67
Hut3Inverter2	W_H3I2	369325.9	4906173	2	0	0	81.4	81.4	1	2196.8	3.25	0	77.84	0	1.09	0	0	5.2	0	0	0	0	0	0	-2.68	-2.68
Hut10Inverter1	W_H10I1	369622.5	4906334	2	0	0	81.4	81.4	1	2198.9	3.25	0	77.84	0	1.09	0	0	5.2	0	0	0	0	0	0	-2.69	-2.69
Hut10Inverter2	W_H10I2	369625.1	4906334	2	0	0	81.4	81.4	1	2200.3	3.25	0	77.85	0	1.09	0	0	5.2	0	0	0	0	0	0	-2.7	-2.7
Hut6Inverter1	W_H6I1	369769.3	4906417	2	0	0	81.4	81.4	1	2216.4	3.25	0	77.91	0	1.1	0	0	5.22	0	0	0	0	0	0	-2.79	-2.79
Hut6Inverter2	W_H6I2	369771.8	4906417	2	0	0	81.4	81.4	1	2217.9	3.25	0	77.92	0	1.1	0	0	5.23	0	0	0	0	0	0	-2.8	-2.8
Hut2Inverter1	W_H2I1	369505.1	4906173	2	0	0	81.4	81.4	1	2276.8	3.25	0	78.15	0	1.12	0	0	5.31	0	0	0	0	0	0	-3.14	-3.14
Hut2Inverter2	W_H2I2	369507.7	4906173	2	0	0	81.4	81.4	1	2278.1	3.25	0	78.15	0	1.12	0	0	5.31	0	0	0	0	0	0	-3.14	-3.14
Inverter Transformer	S_25A_6_T	369240	4909397	2	0	0	77.3	77.3	1	1475	3.25	0	74.38	0	-2.19	0	0	0.94	0	0	0	0	0	0	4.22	4.22
Hut1Inverter1	W_H1I1	369686.9	4906173	2	0	0	81.4	81.4	1	2369.1	3.25	0	78.49	0	1.16	0	0	5.44	0	0	0	0	0	0	-3.65	-3.65
Hut1Inverter2	W_H1I2	369689.4	4906173	2	0	0	81.4	81.4	1	2370.4	3.25	0	78.5	0	1.16	0	0	5.44	0	0	0	0	0	0	-3.66	-3.66
Inverter Transformer	S_4_1_T	369275	4909397	2	0	0	77.3	77.3	1	1494.8	3.25	0	74.49	0	-2.2	0	0	0.95	0	0	0	0	0	0	4.1	4.1
Inverter Transformer	S_25B_5_T	369010	4909595	2	0	0	77.3	77.3	1	1540.7	3.25	0	74.75	0	-2.22	0	0	0.98	0	0	0	0	0	0	3.83	3.83
Inverters	G_Inv2	366676.9	4903239.1	2	0	0	87.7	87.7	1	5231.8	3.25	0	85.37	0	2.88	0	0	6.18	0	0	0	0	0	0	-6.77	-6.77
Inverter Transformer	S_3_4_T	369986	4908514	2	0	0	77.3	77.3	1	1605.6	3.25	0	75.11	0	-2.25	0	0	1.01	0	0	0	0	0	0	3.47	3.47
Inverters	G_Inv1	366526.4	4903225.8	2	0	0	87.7	87.7	1	5296.2	3.25	0	85.48	0	2.88	0	0	6.25	0	0	0	0	0	0	-6.95	-6.95
Inverters	G_Inv4	366732.8	4903105	2	0	0	87.7	87.7	1	5340.5	3.25	0	85.55	0	2.89	0	0	6.3	0	0	0	0	0	0	-7.07	-7.07
Inverter Transformer	S_25A_5_T	369232	4909595	2	0	0	77.3	77.3	1	1639	3.25	0	75.29	0	-2.26	0	0	1.03	0	0	0	0	0	0	3.29	3.29
Inverters	G_Inv3	366583.7	4903091.4	2	0	0	87.7	87.7	1	5402.2	3.25	0	85.65	0	2.89	0	0	6.36	0	0	0	0	0	0	-7.24	-7.24
Inverters	G_Inv6	366788.5	4902972	2	0	0	87.7	87.7	1	5450	3.25	0	85.73	0	2.89	0	0	6.41	0	0	0	0	0	0	-7.37	-7.37
Inverters	G_Inv5	366638.5	4902958.1	2	0	0	87.7	87.7	1	5509.8	3.25	0	85.82	0	2.89	0	0	6.47	0	0	0	0	0	0	-7.53	-7.53
Inverter Transformer	S_3_3_T	370014	4908694	2	0	0	77.3	77.3	1	1679.8	3.25	0	75.51	0	-2.28	0	0	1.05	0	0	0	0	0	0	3.07	3.07
Inverters	G_Inv8	366844.5	4902838.5	2	0	0	87.7	87.7	1	5561.4	3.25	0	85.9	0	2.9	0	0	6.53	0	0	0	0	0	0	-7.67	-7.67
Inverters	G_Inv7	366694.6	4902824.7	2	0	0	87.7	87.7	1	5618.8	3.25	0	85.99	0	2.9	0	0	6.59	0	0	0	0	0	0	-7.82	-7.82
Inverter Transformer	S_25B_4_T	369002	4909793	2	0	0	77.3	77.3	1	1722.4	3.25	0	75.72	0	-2.3	0	0	1.07	0	0	0	0	0	0	2.85	2.85
Inverters	G_Inv10	366900.7	4902704.8	2	0	0	87.7	87.7	1	5674.5	3.25	0	86.08	0	2.9	0	0	6.64	0	0	0	0	0	0	-7.96	-7.96
Inverter Transformer	S_3_2_T	370009	4908857	2	0	0	77.3	77.3	1	1732.7	3.25	0	75.77	0	-2.3	0	0	1.07	0	0	0	0	0	0	2.8	2.8
Inverters	G_Inv9	366750.9	4902691.8	2	0	0	87.7	87.7	1	5728.8	3.25	0	86.16	0	2.91	0	0	6.7	0	0	0	0	0	0	-8.11	-8.11
Hut4Transformer	W_H4T	369418.6	4906582.7	2	0	0	77.8	77.8	1	1879.4	3.25	0	76.48	0	0.51	0	0	4.16	0	0	0	0	0	0	-3.38	-3.38
Inverter Transformer	S_25A_4_T	369224	4909793	2	0	0	77.3	77.3	1	1809.9	3.25	0	76.15	0	-2.33	0	0	1.11	0	0	0	0	0	0	2.41	2.41
Inverter Transformer	S_12_2_T	370086	4907340	2	0	0	77.3	77.3	1	1865.3	3.25	0	76.42	0	-2.35	0	0	1.14	0	0	0	0	0	0	2.14	2.14
Inverter Transformer	S_3_1_T	370011	4909146	2	0	0	77.3	77.3	1	1867.5	3.25	0	76.43	0	-2.36	0	0	1.14	0	0	0	0	0	0	2.13	2.13
Hut8Transformer	W_H8T	369577.1	4906582.7	2	0	0	77.8	77.8	1	1968.5	3.25	0	76.88	0	0.54	0	0	4.31	0	0	0	0	0	0	-3.96	-3.96
Inverter Transformer	S_25A_2_T	369023	4910180	2	0	0	78.2	78.2	1	2096.5	3.25	0	77.43	0	-2.44	0	0	1.25	0	0	0	0	0	0	2	2
Inverter Transformer	S_25B_3_T	368994	4909991	2	0	0	77.3	77.3	1	1907.4	3.25	0	76.61	0	-2.37	0	0	1.16	0	0	0	0	0	0	1.94	1.94
Hut9Transformer	W_H9T	369383.4	4906392.4	2	0	0	77.8	77.8	1	2026	3.25	0	77.13	0	0.55	0	0	4.41	0	0	0	0	0	0	-4.32	-4.32
Inverter Transformer	S_2_1_T	370230	4908848	2	0	0	77.3	77.3	1	1934.6	3.25	0	76.73	0	-2.38	0	0	1.17	0	0	0	0	0	0	1.82	1.82

Hut7Transformer	W_H7T	369723.6	4906582.7	2	0	0	77.8	77.8	1	2058.2	3.25	0	77.27	0	0.56	0	0	4.47	0	0	0	0	0	0	-4.52	-4.52
Inverter Transformer	S_2_2_T	370325	4908704	2	0	0	77.3	77.3	1	1980.5	3.25	0	76.94	0	-2.4	0	0	1.2	0	0	0	0	0	0	1.61	1.61
Inverter Transformer	S_25A_3_T	369216	4909991	2	0	0	77.3	77.3	1	1985.8	3.25	0	76.96	0	-2.4	0	0	1.2	0	0	0	0	0	0	1.58	1.58
Inverter Transformer	S_12_1_T	370236	4907365	2	0	0	77.3	77.3	1	1990.4	3.25	0	76.98	0	-2.4	0	0	1.2	0	0	0	0	0	0	1.56	1.56
Inverter Transformer	S_25B_1_T	368980	4910359	2	0	0	78.2	78.2	1	2257.3	3.25	0	78.07	0	-2.49	0	0	1.33	0	0	0	0	0	0	1.33	1.33
Hut5Transformer	W_H5T	369876	4906582.7	2	0	0	77.8	77.8	1	2158.2	3.25	0	77.68	0	0.59	0	0	4.63	0	0	0	0	0	0	-5.13	-5.13
Inverter Transformer	S_12_3_T	370207	4907134	2	0	0	77.3	77.3	1	2069.7	3.25	0	77.32	0	-2.43	0	0	1.24	0	0	0	0	0	0	1.21	1.21
Hut3Transformer	W_H3T	369324.7	4906177.7	2	0	0	77.8	77.8	1	2192.1	3.25	0	77.82	0	0.6	0	0	4.69	0	0	0	0	0	0	-5.33	-5.33
Inverter Transformer	S_25B_2_T	368987	4910180	2	0	0	77.3	77.3	1	2086.4	3.25	0	77.39	0	-2.44	0	0	1.25	0	0	0	0	0	0	1.14	1.14
Hut10Transformer	W_H10T	369623.8	4906338.7	2	0	0	77.8	77.8	1	2195.7	3.25	0	77.83	0	0.6	0	0	4.7	0	0	0	0	0	0	-5.35	-5.35
Hut6Transformer	W_H6T	369770.5	4906421.7	2	0	0	77.8	77.8	1	2213.4	3.25	0	77.9	0	0.6	0	0	4.72	0	0	0	0	0	0	-5.45	-5.45
Hut2Transformer	W_H2T	369506.4	4906177.7	2	0	0	77.8	77.8	1	2273.3	3.25	0	78.13	0	0.62	0	0	4.82	0	0	0	0	0	0	-5.8	-5.8
Inverter Transformer	S_12_4_T	370250	4906972	2	0	0	77.3	77.3	1	2191.4	3.25	0	77.81	0	-2.47	0	0	1.3	0	0	0	0	0	0	0.7	0.7
Hut1Transformer	W_H1T	369688.2	4906177.7	2	0	0	77.8	77.8	1	2365.8	3.25	0	78.48	0	0.64	0	0	4.97	0	0	0	0	0	0	-6.32	-6.32
Inverter Transformer	S_25A_1_T	369086	4910370	2	0	0	77.3	77.3	1	2296.6	3.25	0	78.22	0	-2.51	0	0	1.35	0	0	0	0	0	0	0.28	0.28
Inverter Transformer	S_19_5_T	365796	4906394	2	0	0	78.2	78.2	1	3167.7	3.25	0	81.01	0	-2.76	0	0	1.73	0	0	0	0	0	0	-1.74	-1.74
Inverter Transformer	S_19_2_T	365975	4906655	2	0	0	77.3	77.3	1	2875.4	3.25	0	80.17	0	-2.68	0	0	1.6	0	0	0	0	0	0	-1.76	-1.76
Inverter Transformer	S_19_1_T	365844	4906817	2	0	0	77.3	77.3	1	2908.5	3.25	0	80.27	0	-2.69	0	0	1.62	0	0	0	0	0	0	-1.86	-1.86
Inverter Transformer	S_19_3_T	365816	4906637	2	0	0	77.3	77.3	1	3020.7	3.25	0	80.6	0	-2.72	0	0	1.67	0	0	0	0	0	0	-2.21	-2.21
Inverter Transformer	S_20_1_T	365589	4906625	2	0	0	77.3	77.3	1	3224	3.25	0	81.17	0	-2.77	0	0	1.75	0	0	0	0	0	0	-2.8	-2.8
Inverter Transformer	S_21_1_T	364681	4906355	2	0	0	78.2	78.2	1	4154.9	3.25	0	83.37	0	-3	0	0	2.11	0	0	0	0	0	0	-4.24	-4.24
Inverter Transformer	S_21_5_T	364925	4905785	2	0	0	78.2	78.2	1	4230.4	3.25	0	83.53	0	-3.01	0	0	2.14	0	0	0	0	0	0	-4.41	-4.41
Inverter Transformer	S_22_2_T	364777	4905647	2	0	0	78.2	78.2	1	4430.6	3.25	0	83.93	0	-3.06	0	0	2.21	0	0	0	0	0	0	-4.84	-4.84
Inverter Transformer	S_21_2_T	364722	4906166	2	0	0	77.3	77.3	1	4204.9	3.25	0	83.48	0	-3.01	0	0	2.13	0	0	0	0	0	0	-5.26	-5.26
Inverter Transformer	S_21_3_T	364764	4906066	2	0	0	77.3	77.3	1	4217.1	3.25	0	83.5	0	-3.01	0	0	2.14	0	0	0	0	0	0	-5.28	-5.28
Inverter Transformer	S_21_4_T	364826	4905922	2	0	0	77.3	77.3	1	4238.2	3.25	0	83.54	0	-3.02	0	0	2.14	0	0	0	0	0	0	-5.33	-5.33
Inverter Transformer	S_23_5_T	364730	4905244	2	0	0	78.2	78.2	1	4708.8	3.25	0	84.46	0	-3.12	0	0	2.31	0	0	0	0	0	0	-5.41	-5.41
Inverter Transformer	S_21_6_T	365003	4905559	2	0	0	77.3	77.3	1	4299.8	3.25	0	83.67	0	-3.03	0	0	2.17	0	0	0	0	0	0	-5.46	-5.46
Inverter Transformer	S_22_1_T	364673	4905894	2	0	0	77.3	77.3	1	4383.1	3.25	0	83.84	0	-3.05	0	0	2.2	0	0	0	0	0	0	-5.64	-5.64
Inverter Transformer	S_21_7_T	365040	4905378	2	0	0	77.3	77.3	1	4383.6	3.25	0	83.84	0	-3.05	0	0	2.2	0	0	0	0	0	0	-5.64	-5.64
Inverter Transformer	S_24_1_T	365318	4904994	2	0	0	77.3	77.3	1	4439.6	3.25	0	83.95	0	-3.06	0	0	2.22	0	0	0	0	0	0	-5.76	-5.76
Inverter Transformer	S_23_1_T	364443	4906039	2	0	0	77.3	77.3	1	4510.7	3.25	0	84.08	0	-3.08	0	0	2.24	0	0	0	0	0	0	-5.91	-5.91
Inverter Transformer	S_24_2_T	365163	4905045	2	0	0	77.3	77.3	1	4513.6	3.25	0	84.09	0	-3.08	0	0	2.24	0	0	0	0	0	0	-5.92	-5.92
Inverter Transformer	S_23_2_T	364476	4905840	2	0	0	77.3	77.3	1	4579.8	3.25	0	84.22	0	-3.09	0	0	2.27	0	0	0	0	0	0	-6.05	-6.05
Inverter Transformer	S_23_3_T	364561	4905641	2	0	0	77.3	77.3	1	4613	3.25	0	84.28	0	-3.1	0	0	2.28	0	0	0	0	0	0	-6.12	-6.12
Inverter Transformer	S_23_4_T	364657	4905414	2	0	0	77.3	77.3	1	4663.7	3.25	0	84.37	0	-3.11	0	0	2.3	0	0	0	0	0	0	-6.22	-6.22
mit. Value D/N:	40	40																								
Level D/N:	38.483	38.483																								

Receiver: Non-Participating Residence
ID: S-R137
X: 365349
Y: 4905362
Z: 4.5
Ground: 0

ISO	Description	ID	X	Y	Z	Ground	ReflOrd	LxT	LxN	L/A	Dist.	hm	Freq	Adiv	K0b	Agr	Abar	z	Aatm	Afol	Ahous	Cmet	CmetN	Dc	RL	LtotT	LtotN
	Inverters	S_21_7_I	365035	4905378	2	0	0	100.3	100.3	1	314.42	3.25	0	60.95	0	-0.65	0	0	6.57	0	0	0	0	0	0	33.42	33.42
	Inverters	S_24_2_I	365168	4905045	2	0	0	100.3	100.3	1	365.04	3.25	0	62.25	0	-0.63	0	0	7.2	0	0	0	0	0	0	31.48	31.48
	Inverters	S_21_6_I	365008	4905559	2	0	0	100.3	100.3	1	393.82	3.25	0	62.91	0	-0.62	0	0	7.52	0	0	0	0	0	0	30.48	30.48
	Inverters	S_23_4_I	364662	4905414	2	0	0	100.3	100.3	1	688.97	3.25	0	67.76	0	-0.42	0	0	9.64	0	0	0	0	0	0	23.31	23.31
	Inverters	S_21_4_I	364821	4905922	2	0	0	100.3	100.3	1	769.67	3.25	0	68.73	0	-0.37	0	0	10	0	0	0	0	0	0	21.93	21.93
	Inverters	S_23_3_I	364566	4905641	2	0	0	100.3	100.3	1	831.23	3.25	0	69.39	0	-0.33	0	0	10.26	0	0	0	0	0	0	20.97	20.97
	Inverters	S_21_5_I	364930	4905785	2	0	0	97.3	97.3	1	595.4	3.25	0	66.5	0	-0.48	0	0	9.13	0	0	0	0	0	0	22.14	22.14
	Inverters	S_22_1_I	364678	4905894	2	0	0	100.3	100.3	1	856.31	3.25	0	69.65	0	-0.32	0	0	10.35	0	0	0	0	0	0	20.6	20.6
	Inverters	S_23_5_I	364735	4905244	2	0	0	97.3	97.3	1	625.24	3.25	0	66.92	0	-0.46	0	0	9.3	0	0	0	0	0	0	21.52	21.52

Inverters	S_22_2_I	364782	4905647	2	0	0	97.3	97.3	1	634.6	3.25	0	67.05	0	-0.45	0	0	9.36	0	0	0	0	0	0	21.34	21.34
Inverters	S_21_3_I	364759	4906066	2	0	0	100.3	100.3	1	918.54	3.25	0	70.26	0	-0.29	0	0	10.58	0	0	0	0	0	0	19.73	19.73
Inverters	S_23_2_I	364481	4905840	2	0	0	100.3	100.3	1	990.92	3.25	0	70.92	0	-0.25	0	0	10.83	0	0	0	0	0	0	18.79	18.79
Inverters	S_21_2_I	364717	4906166	2	0	0	100.3	100.3	1	1022.7	3.25	0	71.19	0	-0.23	0	0	10.94	0	0	0	0	0	0	18.39	18.39
Inverters	S_20_1_I	365584	4906625	2	0	0	100.3	100.3	1	1284.7	3.25	0	73.18	0	-0.12	0	0	11.71	0	0	0	0	0	0	15.52	15.52
Inverters	S_24_1_I	365313	4904994	2	0	0	89	89	1	369.77	3.25	0	62.36	0	0.43	0	0	4.54	0	0	0	0	0	0	21.71	21.71
Inverters	S_19_3_I	365821	4906637	2	0	0	100.3	100.3	1	1359.6	3.25	0	73.67	0	-0.09	0	0	11.92	0	0	0	0	0	0	14.79	14.79
Inverters	S_19_5_I	365801	4906394	2	0	0	97.3	97.3	1	1126.7	3.25	0	72.04	0	-0.19	0	0	11.26	0	0	0	0	0	0	14.18	14.18
Inverters	S_21_1_I	364686	4906355	2	0	0	97.3	97.3	1	1194	3.25	0	72.54	0	-0.16	0	0	11.46	0	0	0	0	0	0	13.45	13.45
Inverters	S_14C_1_I	367747	4907417	2	0	0	100.3	100.3	1	3158.1	3.25	0	80.99	0	0.4	0	0	15.6	0	0	0	0	0	0	3.31	3.31
Inverters	S_14C_2_I	367669	4907587	2	0	0	100.3	100.3	1	3214.5	3.25	0	81.14	0	0.41	0	0	15.7	0	0	0	0	0	0	3.05	3.05
Inverters	S_14B_4_I	367957	4907579	2	0	0	100.3	100.3	1	3423	3.25	0	81.69	0	0.44	0	0	16.05	0	0	0	0	0	0	2.11	2.11
Inverters	S_14B_3_I	368184	4907470	2	0	0	100.3	100.3	1	3532.8	3.25	0	81.96	0	0.46	0	0	16.24	0	0	0	0	0	0	1.63	1.63
Inverters	S_14B_5_I	367950	4907759	2	0	0	100.3	100.3	1	3537.1	3.25	0	81.97	0	0.46	0	0	16.24	0	0	0	0	0	0	1.61	1.61
Inverters	S_14A_14_I	368357	4907344	2	0	0	100.3	100.3	1	3602.3	3.25	0	82.13	0	0.47	0	0	16.35	0	0	0	0	0	0	1.34	1.34
Inverters	S_14A_6_I	368484	4907209	2	0	0	100.3	100.3	1	3638.6	3.25	0	82.22	0	0.48	0	0	16.41	0	0	0	0	0	0	1.18	1.18
Inverters	S_14B_2_I	368175	4907668	2	0	0	100.3	100.3	1	3647.5	3.25	0	82.24	0	0.48	0	0	16.43	0	0	0	0	0	0	1.15	1.15
Inverters	S_14B_6_I	367942	4907930	2	0	0	100.3	100.3	1	3649.4	3.25	0	82.24	0	0.48	0	0	16.43	0	0	0	0	0	0	1.14	1.14
Inverters	S_14A_13_I	368351	4907479	2	0	0	100.3	100.3	1	3673.4	3.25	0	82.3	0	0.48	0	0	16.47	0	0	0	0	0	0	1.04	1.04
Inverters	S_14B_1_I	368168	4907839	2	0	0	100.3	100.3	1	3752.6	3.25	0	82.49	0	0.5	0	0	16.6	0	0	0	0	0	0	0.71	0.71
Inverters	S_14A_12_I	368343	4907668	2	0	0	100.3	100.3	1	3779.1	3.25	0	82.55	0	0.5	0	0	16.64	0	0	0	0	0	0	0.6	0.6
Inverters	S_14A_7_I	368520	4907479	2	0	0	100.3	100.3	1	3812.7	3.25	0	82.62	0	0.5	0	0	16.7	0	0	0	0	0	0	0.46	0.46
Inverters	S_14A_4_I	368695	4907317	2	0	0	100.3	100.3	1	3875.3	3.25	0	82.77	0	0.51	0	0	16.8	0	0	0	0	0	0	0.21	0.21
Inverters	S_14A_8_I	368510	4907704	2	0	0	100.3	100.3	1	3934.1	3.25	0	82.9	0	0.52	0	0	16.89	0	0	0	0	0	0	-0.02	-0.02
Inverters	S_14A_3_I	368687	4907506	2	0	0	100.3	100.3	1	3967.2	3.25	0	82.97	0	0.53	0	0	16.95	0	0	0	0	0	0	-0.15	-0.15
Inverters	S_23_1_I	364448	4906039	2	0	0	89	89	1	1127	3.25	0	72.04	0	0.71	0	0	6.51	0	0	0	0	0	0	9.78	9.78
Inverter Transformer	S_21_7_T	365040	4905378	2	0	0	77.3	77.3	1	309.42	3.25	0	60.81	0	-1.06	0	0	0.24	0	0	0	0	0	0	17.35	17.35
Inverters	S_25B_9_I	369037	4908803	2	0	0	100.3	100.3	1	5044	3.25	0	85.06	0	0.65	0	0	18.59	0	0	0	0	0	0	-4.01	-4.01
Inverters	S_12_2_I	370091	4907340	2	0	0	100.3	100.3	1	5138	3.25	0	85.22	0	0.66	0	0	18.73	0	0	0	0	0	0	-4.32	-4.32
Inverter Transformer	S_24_2_T	365163	4905045	2	0	0	77.3	77.3	1	367.55	3.25	0	62.31	0	-1.25	0	0	0.28	0	0	0	0	0	0	16	16
Inverters	S_12_3_I	370202	4907134	2	0	0	100.3	100.3	1	5166.4	3.25	0	85.26	0	0.66	0	0	18.77	0	0	0	0	0	0	-4.41	-4.41
Inverters	S_25B_8_I	369029	4909001	2	0	0	100.3	100.3	1	5175.4	3.25	0	85.28	0	0.66	0	0	18.78	0	0	0	0	0	0	-4.44	-4.44
Inverter Transformer	S_24_1_T	365318	4904994	2	0	0	77.3	77.3	1	369.31	3.25	0	62.35	0	-1.25	0	0	0.28	0	0	0	0	0	0	15.96	15.96
Inverters	S_19_2_I	365970	4906655	2	0	0	89	89	1	1434.4	3.25	0	74.13	0	0.78	0	0	7.05	0	0	0	0	0	0	7.08	7.08
Inverters	S_25A_9_I	369258	4908857	2	0	0	100.3	100.3	1	5243.6	3.25	0	85.39	0	0.67	0	0	18.88	0	0	0	0	0	0	-4.65	-4.65
Inverters	S_12_1_I	370241	4907365	2	0	0	100.3	100.3	1	5286.2	3.25	0	85.46	0	0.67	0	0	19	0	0	0	0	0	0	-4.81	-4.81
Inverters	S_25B_7_I	369021	4909199	2	0	0	100.3	100.3	1	5311	3.25	0	85.5	0	0.67	0	0	18.98	0	0	0	0	0	0	-4.87	-4.87
Inverters	S_25A_8_I	369251	4909001	2	0	0	100.3	100.3	1	5335.5	3.25	0	85.54	0	0.68	0	0	19.02	0	0	0	0	0	0	-4.94	-4.94
Inverters	S_4_3_I	369294	4909001	2	0	0	100.3	100.3	1	5367.1	3.25	0	85.59	0	0.68	0	0	19.06	0	0	0	0	0	0	-5.04	-5.04
Inverters	S_25B_6_I	369013	4909397	2	0	0	100.3	100.3	1	5450.3	3.25	0	85.73	0	0.68	0	0	19.18	0	0	0	0	0	0	-5.3	-5.3
Inverters	S_25A_7_I	369242	4909199	2	0	0	100.3	100.3	1	5466.1	3.25	0	85.75	0	0.69	0	0	19.2	0	0	0	0	0	0	-5.35	-5.35
Inverters	S_4_2_I	369287	4909199	2	0	0	100.3	100.3	1	5498.2	3.25	0	85.8	0	0.69	0	0	19.25	0	0	0	0	0	0	-5.45	-5.45
Inverter Transformer	S_21_6_T	365003	4905559	2	0	0	77.3	77.3	1	398.16	3.25	0	63	0	-1.33	0	0	0.3	0	0	0	0	0	0	15.36	15.36
Inverters	S_25B_5_I	369005	4909595	2	0	0	100.3	100.3	1	5593.3	3.25	0	85.95	0	0.69	0	0	19.38	0	0	0	0	0	0	-5.74	-5.74
Inverters	S_25A_6_I	369235	4909397	2	0	0	100.3	100.3	1	5602	3.25	0	85.97	0	0.69	0	0	19.39	0	0	0	0	0	0	-5.76	-5.76
Inverters	S_3_4_I	369981	4908514	2	0	0	100.3	100.3	1	5602.7	3.25	0	85.97	0	0.69	0	0	19.39	0	0	0	0	0	0	-5.77	-5.77
Inverters	S_19_1_I	365849	4906817	2	0	0	89	89	1	1538.5	3.25	0	74.74	0	0.8	0	0	7.23	0	0	0	0	0	0	6.27	6.27
Inverters	S_4_1_I	369280	4909397	2	0	0	100.3	100.3	1	5633.3	3.25	0	86.02	0	0.7	0	0	19.44	0	0	0	0	0	0	-5.86	-5.86
Inverters	S_3_3_I	370019	4908694	2	0	0	100.3	100.3	1	5736.8	3.25	0	86.17	0	0.7	0	0	19.58	0	0	0	0	0	0	-6.16	-6.16
Inverters	S_25B_4_I	368997	4909793	2	0	0	100.3	100.3	1	5739.5	3.25	0	86.18	0	0.7	0	0	19.58	0	0	0	0	0	0	-6.17	-6.17
Inverters	S_25A_5_I	369227	4909595	2	0	0	100.3	100.3	1	5740.8	3.25	0	86.18	0	0.7	0	0	19.59	0	0	0	0	0	0	-6.18	-6.18
Inverters	S_3_2_I	370014	4908857	2	0	0	100.3	100.3	1	5829	3.25	0	86.31	0	0.71	0	0	19.71	0	0	0	0	0	0	-6.44	-6.44
Inverters	S_25A_4_I	369219	4909793	2	0	0	100.3	100.3	1	5883.1	3.25	0	86.39	0	0.71	0	0	19.78	0	0	0	0	0	0	-6.59	-6.59
Inverters	S_25B_3_I	368989	4909991	2	0	0	100.3	100.3	1	5888.7	3.25	0	86.4	0	0.71	0	0	19.79	0	0	0	0	0	0	-6.61	-6.61
Inverters	S_2_2_I	370320	4908704	2	0	0	100.3	100.3	1	5990	3.25	0	86.55	0	0.71	0	0	19.93	0	0	0	0	0	0	-6.9	-6.9
Inverters	S_2_1_I	370225	4908848	2	0	0	100.3	100.3	1	5994	3.25	0	86.55	0	0.71	0	0	19.93	0	0	0	0	0	0	-6.91	-6.91
Inverters	S_3_1_I	370016	4909146	2	0	0	100.3	100.3	1	6008.3	3.25	0	86.58	0	0.71	0	0	19.95	0	0	0	0	0	0	-6.95	-6.95

Inverters	S_25A_3_I	369211	4909991	2	0	0	100.3	100.3	1	6028.5	3.25	0	86.6	0	0.71	0	0	19.98	0	0	0	0	0	0	-7.01	-7.01
Inverters	S_25B_2_I	368982	4910180	2	0	0	100.3	100.3	1	6034.2	3.25	0	86.61	0	0.71	0	0	19.99	0	0	0	0	0	0	-7.02	-7.02
Inverters	S_25A_1_I	369091	4910370	2	0	0	100.3	100.3	1	6251.6	3.25	0	86.92	0	0.72	0	0	20.28	0	0	0	0	0	0	-7.63	-7.63
Gardiner Substation	G_Sub	366586.3	4903349.9	2.5	0	0	90.8	90.8	1	2362.1	4.25	0	78.47	0	0.89	3.32	0.27	4.97	0	0	0	0	0	0	3.14	3.14
Inverters	S_4_4_I	369318	4908858	2	0	0	97.3	97.3	1	5289.1	3.25	0	85.47	0	0.67	0	0	19	0	0	0	0	0	0	-7.82	-7.82
Inverter Transformer	S_21_5_T	364925	4905785	2	0	0	78.2	78.2	1	598.93	3.25	0	66.55	0	-1.63	0	0	0.44	0	0	0	0	0	0	12.89	12.89
Inverter Transformer	S_23_5_T	364730	4905244	2	0	0	78.2	78.2	1	630.15	3.25	0	66.99	0	-1.66	0	0	0.46	0	0	0	0	0	0	12.46	12.46
Inverter Transformer	S_22_2_T	364777	4905647	2	0	0	78.2	78.2	1	639.07	3.25	0	67.11	0	-1.67	0	0	0.46	0	0	0	0	0	0	12.34	12.34
Inverters	S_25A_2_I	369028	4910180	2	0	0	97.3	97.3	1	6062	3.25	0	86.65	0	0.71	0	0	20.03	0	0	0	0	0	0	-10.1	-10.1
Inverters	S_25B_1_I	368975	4910359	2	0	0	97.3	97.3	1	6174	3.25	0	86.81	0	0.71	0	0	20.23	0	0	0	0	0	0	-10.44	-10.44
Inverter Transformer	S_23_4_T	364657	4905414	2	0	0	77.3	77.3	1	693.96	3.25	0	67.83	0	-1.72	0	0	0.5	0	0	0	0	0	0	10.74	10.74
Inverters	G_Inv1	366526.4	4903225.8	2	0	0	87.7	87.7	1	2439.2	3.25	0	78.74	0	2.64	0	0	3.14	0	0	0	0	0	0	3.14	3.14
Inverters	G_Inv2	366676.9	4903239.1	2	0	0	87.7	87.7	1	2504	3.25	0	78.97	0	2.64	0	0	3.22	0	0	0	0	0	0	2.83	2.83
Inverter Transformer	S_21_4_T	364826	4905922	2	0	0	77.3	77.3	1	766.25	3.25	0	68.69	0	-1.77	0	0	0.54	0	0	0	0	0	0	9.89	9.89
Inverters	G_Inv3	366583.7	4903091.4	2	0	0	87.7	87.7	1	2584.6	3.25	0	79.25	0	2.65	0	0	3.31	0	0	0	0	0	0	2.45	2.45
Inverters	G_Inv4	366732.8	4903105	2	0	0	87.7	87.7	1	2647.4	3.25	0	79.46	0	2.66	0	0	3.38	0	0	0	0	0	0	2.17	2.17
Inverters	G_Inv5	366638.5	4902958.1	2	0	0	87.7	87.7	1	2727.9	3.25	0	79.72	0	2.67	0	0	3.47	0	0	0	0	0	0	1.81	1.81
Inverter Transformer	S_23_3_T	364561	4905641	2	0	0	77.3	77.3	1	835.94	3.25	0	69.44	0	-1.82	0	0	0.58	0	0	0	0	0	0	9.14	9.14
Inverters	G_Inv6	366788.5	4902972	2	0	0	87.7	87.7	1	2790	3.25	0	79.91	0	2.68	0	0	3.54	0	0	0	0	0	0	1.53	1.53
Inverter Transformer	S_22_1_T	364673	4905894	2	0	0	77.3	77.3	1	860.24	3.25	0	69.69	0	-1.84	0	0	0.6	0	0	0	0	0	0	8.89	8.89
Inverters	G_Inv7	366694.6	4902824.7	2	0	0	87.7	87.7	1	2872	3.25	0	80.16	0	2.68	0	0	3.63	0	0	0	0	0	0	1.18	1.18
Inverters	G_Inv8	366844.5	4902838.5	2	0	0	87.7	87.7	1	2933.4	3.25	0	80.35	0	2.69	0	0	3.7	0	0	0	0	0	0	0.92	0.92
Inverter Transformer	S_21_3_T	364764	4906066	2	0	0	77.3	77.3	1	915.34	3.25	0	70.23	0	-1.88	0	0	0.63	0	0	0	0	0	0	8.36	8.36
Inverters	G_Inv9	366750.9	4902691.8	2	0	0	87.7	87.7	1	3015.8	3.25	0	80.59	0	2.7	0	0	3.79	0	0	0	0	0	0	0.58	0.58
Inverters	G_Inv10	366900.7	4902704.8	2	0	0	87.7	87.7	1	3077.1	3.25	0	80.76	0	2.71	0	0	3.86	0	0	0	0	0	0	0.33	0.33
Inverters	S_14A_5_I	368656	4907147	2	0	0	89	89	1	3758	3.25	0	82.5	0	1.34	0	0	10.7	0	0	0	0	0	0	-5.48	-5.48
Inverter Transformer	S_23_2_T	364476	4905840	2	0	0	77.3	77.3	1	995.3	3.25	0	70.96	0	-1.93	0	0	0.68	0	0	0	0	0	0	7.64	7.64
Inverters	S_14A_10_I	368162	4907974	2	0	0	89	89	1	3838.7	3.25	0	82.68	0	1.36	0	0	10.81	0	0	0	0	0	0	-5.8	-5.8
Inverters	S_14A_11_I	368336	4907840	2	0	0	89	89	1	3881.1	3.25	0	82.78	0	1.37	0	0	10.87	0	0	0	0	0	0	-5.97	-5.97
Inverter Transformer	S_19_5_T	365796	4906394	2	0	0	78.2	78.2	1	1124.7	3.25	0	72.02	0	-2.01	0	0	0.75	0	0	0	0	0	0	7.48	7.48
Inverter Transformer	S_21_2_T	364722	4906166	2	0	0	77.3	77.3	1	1019.6	3.25	0	71.17	0	-1.94	0	0	0.69	0	0	0	0	0	0	7.43	7.43
Inverters	S_14A_9_I	368501	4907930	2	0	0	89	89	1	4065.7	3.25	0	83.18	0	1.41	0	0	11.13	0	0	0	0	0	0	-6.68	-6.68
Inverters	S_14A_2_I	368678	4907713	2	0	0	89	89	1	4075.5	3.25	0	83.2	0	1.41	0	0	11.15	0	0	0	0	0	0	-6.72	-6.72
Inverter Transformer	S_21_1_T	364681	4906355	2	0	0	78.2	78.2	1	1196.8	3.25	0	72.56	0	-2.05	0	0	0.79	0	0	0	0	0	0	6.94	6.94
Inverters	S_14A_1_I	368669	4907930	2	0	0	89	89	1	4197.3	3.25	0	83.46	0	1.44	0	0	11.32	0	0	0	0	0	0	-7.18	-7.18
SubstationTransformer	W_ST	369702.9	4906057	2.5	0	0	89.4	89.4	1	4409	3.5	0	83.89	0	0.43	0	0	7.9	0	0	0	0	0	0	-2.84	-2.84
Inverter Transformer	S_23_1_T	364443	4906039	2	0	0	77.3	77.3	1	1131	3.25	0	72.07	0	-2.01	0	0	0.75	0	0	0	0	0	0	6.53	6.53
Inverters	S_25B_10_I	369045	4908605	2	0	0	89	89	1	4917.1	3.25	0	84.83	0	1.62	0	0	12.31	0	0	0	0	0	0	-9.72	-9.72
Inverters	S_25A_11_I	369174	4908481	2	0	0	89	89	1	4935.5	3.25	0	84.87	0	1.63	0	0	12.33	0	0	0	0	0	0	-9.78	-9.78
Inverter Transformer	S_20_1_T	365589	4906625	2	0	0	77.3	77.3	1	1285.6	3.25	0	73.18	0	-2.1	0	0	0.84	0	0	0	0	0	0	5.42	5.42
Inverters	S_25A_10_I	369182	4908507	2	0	0	89	89	1	4958.1	3.25	0	84.91	0	1.63	0	0	12.36	0	0	0	0	0	0	-9.86	-9.86
Inverters	S_12_4_I	370255	4906972	2	0	0	89	89	1	5163.4	3.25	0	85.26	0	1.68	0	0	12.64	0	0	0	0	0	0	-10.53	-10.53
Inverter Transformer	S_19_3_T	365816	4906637	2	0	0	77.3	77.3	1	1357.8	3.25	0	73.66	0	-2.13	0	0	0.88	0	0	0	0	0	0	4.94	4.94
Inverter Transformer	S_19_2_T	365975	4906655	2	0	0	77.3	77.3	1	1436.6	3.25	0	74.15	0	-2.17	0	0	0.92	0	0	0	0	0	0	4.45	4.45
Inverter Transformer	S_19_1_T	365844	4906817	2	0	0	77.3	77.3	1	1536.9	3.25	0	74.73	0	-2.22	0	0	0.97	0	0	0	0	0	0	3.85	3.85
Sol_Luce Substation	S_Substation	369426	4908792	3	0	0	84	84	1	5327.9	3.75	0	85.53	0	0.27	0	0	9	0	0	0	0	0	0	-10.83	-10.83
Hut3Inverter1	W_H3I1	369323.4	4906173	2	0	0	81.4	81.4	1	4056.3	3.25	0	83.16	0	1.77	0	0	7.48	0	0	0	0	0	0	-10.98	-10.98
Hut3Inverter2	W_H3I2	369325.9	4906173	2	0	0	81.4	81.4	1	4058.8	3.25	0	83.17	0	1.77	0	0	7.49	0	0	0	0	0	0	-10.98	-10.98
Hut9Inverter1	W_H9I1	369382.1	4906387.6	2	0	0	81.4	81.4	1	4161.5	3.25	0	83.38	0	1.8	0	0	7.59	0	0	0	0	0	0	-11.34	-11.34
Hut9Inverter2	W_H9I2	369384.6	4906387.6	2	0	0	81.4	81.4	1	4163.9	3.25	0	83.39	0	1.8	0	0	7.6	0	0	0	0	0	0	-11.35	-11.35
Hut2Inverter1	W_H2I1	369505.1	4906173	2	0	0	81.4	81.4	1	4234.5	3.25	0	83.54	0	1.82	0	0	7.67	0	0	0	0	0	0	-11.59	-11.59
Hut2Inverter2	W_H2I2	369507.7	4906173	2	0	0	81.4	81.4	1	4237	3.25	0	83.54	0	1.83	0	0	7.67	0	0	0	0	0	0	-11.6	-11.6
Hut4Inverter1	W_H4I1	369417.3	4906578	2	0	0	81.4	81.4	1	4246.1	3.25	0	83.56	0	1.83	0	0	7.68	0	0	0	0	0	0	-11.63	-11.63
Hut4Inverter2	W_H4I2	369419.8	4906578	2	0	0	81.4	81.4	1	4248.5	3.25	0	83.56	0	1.83	0	0	7.68	0	0	0	0	0	0	-11.63	-11.63
Hut10Inverter1	W_H10I1	369622.5	4906334	2	0	0	81.4	81.4	1	4382.7	3.25	0	83.83	0	1.87	0	0	7.82	0	0	0	0	0	0	-12.08	-12.08
Hut10Inverter2	W_H10I2	369625.1	4906334	2	0	0	81.4	81.4	1	4385.2	3.25	0	83.84	0	1.87	0	0	7.82	0	0	0	0	0	0	-12.09	-12.09
Hut8Inverter1	W_H8I1	369575.8	4906578	2	0	0	81.4	81.4	1	4398.2	3.25	0	83.87	0	1.87	0	0	7.83	0	0	0	0	0	0	-12.13	-12.13

Hut8Inverter2	W_H8I2	369578.3	4906578	2	0	0	81.4	81.4	1	4400.6	3.25	0	83.87	0	1.87	0	0	7.84	0	0	0	0	0	0	-12.14	-12.14
Hut1Inverter1	W_H1I1	369686.9	4906173	2	0	0	81.4	81.4	1	4413.1	3.25	0	83.89	0	1.88	0	0	7.85	0	0	0	0	0	0	-12.18	-12.18
Hut1Inverter2	W_H1I2	369689.4	4906173	2	0	0	81.4	81.4	1	4415.5	3.25	0	83.9	0	1.88	0	0	7.85	0	0	0	0	0	0	-12.19	-12.19
Hut7Inverter1	W_H7I1	369722.3	4906578	2	0	0	81.4	81.4	1	4539.2	3.25	0	84.14	0	1.91	0	0	7.97	0	0	0	0	0	0	-12.58	-12.58
Hut7Inverter2	W_H7I2	369724.8	4906578	2	0	0	81.4	81.4	1	4541.6	3.25	0	84.14	0	1.91	0	0	7.97	0	0	0	0	0	0	-12.59	-12.59
Hut6Inverter1	W_H6I1	369769.3	4906417	2	0	0	81.4	81.4	1	4544.5	3.25	0	84.15	0	1.91	0	0	7.98	0	0	0	0	0	0	-12.6	-12.6
Hut6Inverter2	W_H6I2	369771.8	4906417	2	0	0	81.4	81.4	1	4546.9	3.25	0	84.15	0	1.91	0	0	7.98	0	0	0	0	0	0	-12.61	-12.61
Hut5Inverter1	W_H5I1	369874.7	4906578	2	0	0	81.4	81.4	1	4686.2	3.25	0	84.42	0	1.95	0	0	8.11	0	0	0	0	0	0	-13.04	-13.04
Hut5Inverter2	W_H5I2	369877.2	4906578	2	0	0	81.4	81.4	1	4688.6	3.25	0	84.42	0	1.95	0	0	8.12	0	0	0	0	0	0	-13.05	-13.05
Inverter Transformer	S_14C_1_T	367752	4907417	2	0	0	77.3	77.3	1	3161.9	3.25	0	81	0	-2.76	0	0	1.72	0	0	0	0	0	0	-2.62	-2.62
Inverter Transformer	S_14C_2_T	367674	4907587	2	0	0	77.3	77.3	1	3218.1	3.25	0	81.15	0	-2.77	0	0	1.75	0	0	0	0	0	0	-2.79	-2.79
Inverter Transformer	S_14B_4_T	367952	4907579	2	0	0	77.3	77.3	1	3419.2	3.25	0	81.68	0	-2.82	0	0	1.83	0	0	0	0	0	0	-3.34	-3.34
Inverter Transformer	S_14B_3_T	368179	4907470	2	0	0	77.3	77.3	1	3528.8	3.25	0	81.95	0	-2.85	0	0	1.87	0	0	0	0	0	0	-3.63	-3.63
Inverter Transformer	S_14B_5_T	367945	4907759	2	0	0	77.3	77.3	1	3533.4	3.25	0	81.96	0	-2.85	0	0	1.87	0	0	0	0	0	0	-3.64	-3.64
Inverter Transformer	S_14A_14_T	368352	4907344	2	0	0	77.3	77.3	1	3598.1	3.25	0	82.12	0	-2.87	0	0	1.9	0	0	0	0	0	0	-3.81	-3.81
Inverter Transformer	S_14A_6_T	368489	4907209	2	0	0	77.3	77.3	1	3642.9	3.25	0	82.23	0	-2.88	0	0	1.92	0	0	0	0	0	0	-3.93	-3.93
Inverter Transformer	S_14B_2_T	368170	4907668	2	0	0	77.3	77.3	1	3643.6	3.25	0	82.23	0	-2.88	0	0	1.92	0	0	0	0	0	0	-3.93	-3.93
Inverter Transformer	S_14B_6_T	367937	4907930	2	0	0	77.3	77.3	1	3645.9	3.25	0	82.24	0	-2.88	0	0	1.92	0	0	0	0	0	0	-3.93	-3.93
Inverter Transformer	S_14A_13_T	368346	4907479	2	0	0	77.3	77.3	1	3669.3	3.25	0	82.29	0	-2.89	0	0	1.93	0	0	0	0	0	0	-3.99	-3.99
Inverter Transformer	S_14B_1_T	368163	4907839	2	0	0	77.3	77.3	1	3748.9	3.25	0	82.48	0	-2.9	0	0	1.96	0	0	0	0	0	0	-4.19	-4.19
Inverter Transformer	S_14A_5_T	368661	4907147	2	0	0	77.3	77.3	1	3762.4	3.25	0	82.51	0	-2.91	0	0	1.96	0	0	0	0	0	0	-4.22	-4.22
Inverter Transformer	S_14A_12_T	368338	4907668	2	0	0	77.3	77.3	1	3775.2	3.25	0	82.54	0	-2.91	0	0	1.97	0	0	0	0	0	0	-4.26	-4.26
Inverter Transformer	S_14A_7_T	368515	4907479	2	0	0	77.3	77.3	1	3808.6	3.25	0	82.62	0	-2.92	0	0	1.98	0	0	0	0	0	0	-4.34	-4.34
Inverter Transformer	S_14A_10_T	368157	4907974	2	0	0	77.3	77.3	1	3835	3.25	0	82.68	0	-2.92	0	0	1.99	0	0	0	0	0	0	-4.4	-4.4
Hut3Transformer	W_H3T	369324.7	4906177.7	2	0	0	77.8	77.8	1	4058.5	3.25	0	83.17	0	1.06	0	0	7.44	0	0	0	0	0	0	-13.89	-13.89
Inverter Transformer	S_14A_4_T	368690	4907317	2	0	0	77.3	77.3	1	3871	3.25	0	82.76	0	-2.93	0	0	2.01	0	0	0	0	0	0	-4.49	-4.49
Inverter Transformer	S_14A_11_T	368331	4907840	2	0	0	77.3	77.3	1	3877.2	3.25	0	82.77	0	-2.93	0	0	2.01	0	0	0	0	0	0	-4.5	-4.5
Inverter Transformer	S_14A_8_T	368505	4907704	2	0	0	77.3	77.3	1	3930.1	3.25	0	82.89	0	-2.95	0	0	2.03	0	0	0	0	0	0	-4.63	-4.63
Hut9Transformer	W_H9T	369383.4	4906392.4	2	0	0	77.8	77.8	1	4163.9	3.25	0	83.39	0	1.08	0	0	7.58	0	0	0	0	0	0	-14.27	-14.27
Inverter Transformer	S_14A_3_T	368682	4907506	2	0	0	77.3	77.3	1	3963	3.25	0	82.96	0	-2.95	0	0	2.04	0	0	0	0	0	0	-4.71	-4.71
Hut2Transformer	W_H2T	369506.4	4906177.7	2	0	0	77.8	77.8	1	4236.7	3.25	0	83.54	0	1.09	0	0	7.68	0	0	0	0	0	0	-14.53	-14.53
Hut4Transformer	W_H4T	369418.6	4906582.7	2	0	0	77.8	77.8	1	4248.7	3.25	0	83.57	0	1.1	0	0	7.69	0	0	0	0	0	0	-14.58	-14.58
Inverter Transformer	S_14A_9_T	368496	4907930	2	0	0	77.3	77.3	1	4061.8	3.25	0	83.17	0	-2.98	0	0	2.08	0	0	0	0	0	0	-4.93	-4.93
Inverter Transformer	S_14A_2_T	368673	4907713	2	0	0	77.3	77.3	1	4071.4	3.25	0	83.19	0	-2.98	0	0	2.08	0	0	0	0	0	0	-4.96	-4.96
Hut10Transformer	W_H10T	369623.8	4906338.7	2	0	0	77.8	77.8	1	4385	3.25	0	83.84	0	1.12	0	0	7.87	0	0	0	0	0	0	-15.05	-15.05
Hut8Transformer	W_H8T	369577.1	4906582.7	2	0	0	77.8	77.8	1	4400.8	3.25	0	83.87	0	1.13	0	0	7.89	0	0	0	0	0	0	-15.11	-15.11
Inverter Transformer	S_14A_1_T	368664	4907930	2	0	0	77.3	77.3	1	4193.3	3.25	0	83.45	0	-3.01	0	0	2.13	0	0	0	0	0	0	-5.23	-5.23
Hut1Transformer	W_H1T	369688.2	4906177.7	2	0	0	77.8	77.8	1	4415.2	3.25	0	83.9	0	1.13	0	0	7.9	0	0	0	0	0	0	-15.16	-15.16
Hut7Transformer	W_H7T	369723.6	4906582.7	2	0	0	77.8	77.8	1	4541.7	3.25	0	84.14	0	1.15	0	0	8.06	0	0	0	0	0	0	-15.59	-15.59
Hut6Transformer	W_H6T	369770.5	4906421.7	2	0	0	77.8	77.8	1	4546.7	3.25	0	84.15	0	1.16	0	0	8.07	0	0	0	0	0	0	-15.6	-15.6
Hut5Transformer	W_H5T	369876	4906582.7	2	0	0	77.8	77.8	1	4688.7	3.25	0	84.42	0	1.18	0	0	8.25	0	0	0	0	0	0	-16.07	-16.07
Inverter Transformer	S_4_4_T	369313	4908858	2	0	0	78.2	78.2	1	5285.4	3.25	0	85.46	0	-3.23	0	0	2.51	0	0	0	0	0	0	-6.5	-6.5
Inverter Transformer	S_25B_10_T	369050	4908605	2	0	0	77.3	77.3	1	4920.8	3.25	0	84.84	0	-3.16	0	0	2.39	0	0	0	0	0	0	-6.72	-6.72
Inverter Transformer	S_25A_11_T	369179	4908481	2	0	0	77.3	77.3	1	4939.3	3.25	0	84.87	0	-3.17	0	0	2.39	0	0	0	0	0	0	-6.76	-6.76
Inverter Transformer	S_25A_10_T	369187	4908507	2	0	0	77.3	77.3	1	4962	3.25	0	84.91	0	-3.17	0	0	2.4	0	0	0	0	0	0	-6.8	-6.8
Inverter Transformer	S_25B_9_T	369042	4908803	2	0	0	77.3	77.3	1	5047.7	3.25	0	85.06	0	-3.19	0	0	2.43	0	0	0	0	0	0	-6.96	-6.96
Inverter Transformer	S_12_2_T	370086	4907340	2	0	0	77.3	77.3	1	5133.4	3.25	0	85.21	0	-3.2	0	0	2.46	0	0	0	0	0	0	-7.12	-7.12
Inverter Transformer	S_12_4_T	370250	4906972	2	0	0	77.3	77.3	1	5158.7	3.25	0	85.25	0	-3.21	0	0	2.47	0	0	0	0	0	0	-7.17	-7.17
Inverter Transformer	S_12_3_T	370207	4907134	2	0	0	77.3	77.3	1	5171.1	3.25	0	85.27	0	-3.21	0	0	2.47	0	0	0	0	0	0	-7.19	-7.19
Inverter Transformer	S_25B_8_T	369034	4909001	2	0	0	77.3	77.3	1	5179	3.25	0	85.28	0	-3.21	0	0	2.47	0	0	0	0	0	0	-7.2	-7.2
Inverter Transformer	S_25A_9_T	369263	4908857	2	0	0	77.3	77.3	1	5247.3	3.25	0	85.4	0	-3.23	0	0	2.5	0	0	0	0	0	0	-7.33	-7.33
Inverter Transformer	S_12_1_T	370236	4907365	2	0	0	77.3	77.3	1	5281.6	3.25	0	85.46	0	-3.23	0	0	2.51	0	0	0	0	0	0	-7.39	-7.39
Inverter Transformer	S_25B_7_T	369026	4909199	2	0	0	77.3	77.3	1	5314.4	3.25	0	85.51	0	-3.24	0	0	2.52	0	0	0	0	0	0	-7.45	-7.45
Inverter Transformer	S_25A_8_T	369256	4909001	2	0	0	77.3	77.3	1	5339.2	3.25	0	85.55	0	-3.24	0	0	2.53	0	0	0	0	0	0	-7.49	-7.49
Inverter Transformer	S_4_3_T	369289	4909001	2	0	0	77.3	77.3	1	5363.4	3.25	0	85.59	0	-3.25	0	0	2.54	0	0	0	0	0	0	-7.53	-7.53
Inverter Transformer	S_25B_6_T	369018	4909397	2	0	0	77.3	77.3	1	5453.7	3.25	0	85.73	0	-3.27	0	0	2.57	0	0	0	0	0	0	-7.69	-7.69
Inverter Transformer	S_25A_2_T	369023	4910180	2	0	0	78.2	78.2	1	6059	3.25	0	86.65	0	-3.38	0	0	2.76	0	0	0	0	0	0	-7.79	-7.79

	Inverter Transformer	S_25A_7_T	369247	4909199	2	0	0	77.3	77.3	1	5469.6	3.25	0	85.76	0	-3.27	0	0	2.57	0	0	0	0	0	0	-7.72	-7.72
	Inverter Transformer	S_4_2_T	369282	4909199	2	0	0	77.3	77.3	1	5494.6	3.25	0	85.8	0	-3.27	0	0	2.58	0	0	0	0	0	0	-7.76	-7.76
	Inverter Transformer	S_25B_1_T	368980	4910359	2	0	0	78.2	78.2	1	6176.9	3.25	0	86.82	0	-3.4	0	0	2.8	0	0	0	0	0	0	-7.97	-7.97
	Inverter Transformer	S_25B_5_T	369010	4909595	2	0	0	77.3	77.3	1	5596.5	3.25	0	85.96	0	-3.29	0	0	2.61	0	0	0	0	0	0	-7.94	-7.94
	Inverter Transformer	S_25A_6_T	369240	4909397	2	0	0	77.3	77.3	1	5605.5	3.25	0	85.97	0	-3.3	0	0	2.61	0	0	0	0	0	0	-7.95	-7.95
	Inverter Transformer	S_3_4_T	369986	4908514	2	0	0	77.3	77.3	1	5606.9	3.25	0	85.97	0	-3.3	0	0	2.62	0	0	0	0	0	0	-7.95	-7.95
	Inverter Transformer	S_4_1_T	369275	4909397	2	0	0	77.3	77.3	1	5629.8	3.25	0	86.01	0	-3.3	0	0	2.62	0	0	0	0	0	0	-7.99	-7.99
	Inverter Transformer	S_3_3_T	370014	4908694	2	0	0	77.3	77.3	1	5732.8	3.25	0	86.17	0	-3.32	0	0	2.66	0	0	0	0	0	0	-8.16	-8.16
	Inverter Transformer	S_25B_4_T	369002	4909793	2	0	0	77.3	77.3	1	5742.7	3.25	0	86.18	0	-3.32	0	0	2.66	0	0	0	0	0	0	-8.18	-8.18
	Inverter Transformer	S_25A_5_T	369232	4909595	2	0	0	77.3	77.3	1	5744.2	3.25	0	86.18	0	-3.32	0	0	2.66	0	0	0	0	0	0	-8.18	-8.18
	Inverter Transformer	S_3_2_T	370009	4908857	2	0	0	77.3	77.3	1	5825	3.25	0	86.31	0	-3.34	0	0	2.69	0	0	0	0	0	0	-8.31	-8.31
	Inverter Transformer	S_25A_4_T	369224	4909793	2	0	0	77.3	77.3	1	5886.4	3.25	0	86.4	0	-3.35	0	0	2.71	0	0	0	0	0	0	-8.41	-8.41
	Inverter Transformer	S_25B_3_T	368994	4909991	2	0	0	77.3	77.3	1	5891.8	3.25	0	86.41	0	-3.35	0	0	2.71	0	0	0	0	0	0	-8.42	-8.42
	Inverter Transformer	S_2_2_T	370325	4908704	2	0	0	77.3	77.3	1	5994.1	3.25	0	86.55	0	-3.37	0	0	2.74	0	0	0	0	0	0	-8.59	-8.59
	Inverter Transformer	S_2_1_T	370230	4908848	2	0	0	77.3	77.3	1	5998	3.25	0	86.56	0	-3.37	0	0	2.74	0	0	0	0	0	0	-8.59	-8.59
	Inverter Transformer	S_3_1_T	370011	4909146	2	0	0	77.3	77.3	1	6004.4	3.25	0	86.57	0	-3.37	0	0	2.74	0	0	0	0	0	0	-8.6	-8.6
	Inverter Transformer	S_25A_3_T	369216	4909991	2	0	0	77.3	77.3	1	6031.7	3.25	0	86.61	0	-3.37	0	0	2.75	0	0	0	0	0	0	-8.64	-8.64
	Inverter Transformer	S_25B_2_T	368987	4910180	2	0	0	77.3	77.3	1	6037.2	3.25	0	86.62	0	-3.37	0	0	2.75	0	0	0	0	0	0	-8.65	-8.65
	Inverter Transformer	S_25A_1_T	369086	4910370	2	0	0	77.3	77.3	1	6248.6	3.25	0	86.92	0	-3.41	0	0	2.82	0	0	0	0	0	0	-8.98	-8.98
mit. Value D/N:	0	0																								
Level D/N:	38.2361	38.2361																								

Receiver: Non-Participating Residence
ID: S-R109
X: 368761
Y: 4908590
Z: 4.5
Ground: 0

ISO	Description	ID	X	Y	Z	Ground	ReflOrd	LxT	LxN	L/A	Dist.	hm	Freq	Adiv	K0b	Agr	Abar	z	Aatm	Afol	Ahous	Cmet	CmetN	Dc	RL	LtotT	LtotN
	Inverters	S_25B_9_I	369037	4908803	2	0	0	100.3	100.3	1	348.64	3.25	0	61.85	0	-0.64	0	0	7.01	0	0	0	0	0	0	32.08	32.08
	Inverters	S_25B_8_I	369029	4909001	2	0	0	100.3	100.3	1	490.66	3.25	0	64.82	0	-0.56	0	0	8.41	0	0	0	0	0	0	27.62	27.62
	Inverters	S_25A_9_I	369258	4908857	2	0	0	100.3	100.3	1	564.18	3.25	0	66.03	0	-0.5	0	0	8.94	0	0	0	0	0	0	25.83	25.83
	Inverters	S_25A_8_I	369251	4909001	2	0	0	100.3	100.3	1	639.55	3.25	0	67.12	0	-0.45	0	0	9.38	0	0	0	0	0	0	24.24	24.24
	Inverters	S_25B_7_I	369021	4909199	2	0	0	100.3	100.3	1	662.18	3.25	0	67.42	0	-0.43	0	0	9.5	0	0	0	0	0	0	23.8	23.8
	Inverters	S_4_3_I	369294	4909001	2	0	0	100.3	100.3	1	673.06	3.25	0	67.56	0	-0.43	0	0	9.56	0	0	0	0	0	0	23.6	23.6
	Inverters	S_25A_7_I	369242	4909199	2	0	0	100.3	100.3	1	776.05	3.25	0	68.8	0	-0.36	0	0	10.03	0	0	0	0	0	0	21.82	21.82
	Inverters	S_4_2_I	369287	4909199	2	0	0	100.3	100.3	1	804.71	3.25	0	69.11	0	-0.35	0	0	10.15	0	0	0	0	0	0	21.37	21.37
	Inverters	S_25B_6_I	369013	4909397	2	0	0	100.3	100.3	1	845.43	3.25	0	69.54	0	-0.32	0	0	10.31	0	0	0	0	0	0	20.76	20.76
	Inverters	S_4_4_I	369318	4908858	2	0	0	97.3	97.3	1	618.13	3.25	0	66.82	0	-0.47	0	0	9.31	0	0	0	0	0	0	21.65	21.65
	Inverters	S_14A_8_I	368510	4907704	2	0	0	100.3	100.3	1	920.87	3.25	0	70.28	0	-0.28	0	0	10.59	0	0	0	0	0	0	19.7	19.7
	Inverters	S_25A_6_I	369235	4909397	2	0	0	100.3	100.3	1	935.91	3.25	0	70.42	0	-0.28	0	0	10.64	0	0	0	0	0	0	19.5	19.5
	Inverters	S_14B_1_I	368168	4907839	2	0	0	100.3	100.3	1	956.9	3.25	0	70.62	0	-0.27	0	0	10.72	0	0	0	0	0	0	19.22	19.22
	Inverters	S_4_1_I	369280	4909397	2	0	0	100.3	100.3	1	959.49	3.25	0	70.64	0	-0.27	0	0	10.73	0	0	0	0	0	0	19.19	19.19
	Inverters	S_14A_12_I	368343	4907668	2	0	0	100.3	100.3	1	1012.3	3.25	0	71.11	0	-0.24	0	0	10.9	0	0	0	0	0	0	18.52	18.52
	Inverters	S_25B_5_I	369005	4909595	2	0	0	100.3	100.3	1	1034.2	3.25	0	71.29	0	-0.23	0	0	10.97	0	0	0	0	0	0	18.25	18.25
	Inverters	S_25B_10_I	369045	4908605	2	0	0	89	89	1	284.41	3.25	0	60.08	0	0.36	0	0	3.98	0	0	0	0	0	0	24.62	24.62
	Inverters	S_14B_6_I	367942	4907930	2	0	0	100.3	100.3	1	1051.8	3.25	0	71.44	0	-0.22	0	0	11.03	0	0	0	0	0	0	18.04	18.04
	Inverters	S_14A_3_I	368687	4907506	2	0	0	100.3	100.3	1	1086.5	3.25	0	71.72	0	-0.2	0	0	11.14	0	0	0	0	0	0	17.64	17.64
	Inverters	S_14B_2_I	368175	4907668	2	0	0	100.3	100.3	1	1092.5	3.25	0	71.77	0	-0.2	0	0	11.16	0	0	0	0	0	0	17.57	17.57
	Inverters	S_25A_5_I	369227	4909595	2	0	0	100.3	100.3	1	1107.8	3.25	0	71.89	0	-0.19	0	0	11.2	0	0	0	0	0	0	17.39	17.39
	Inverters	S_14A_7_I	368520	4907479	2	0	0	100.3	100.3	1	1136.8	3.25	0	72.11	0	-0.18	0	0	11.29	0	0	0	0	0	0	17.07	17.07
	Inverters	S_14B_5_I	367950	4907759	2	0	0	100.3	100.3	1	1161.2	3.25	0	72.3	0	-0.17	0	0	11.36	0	0	0	0	0	0	16.8	16.8
	Inverters	S_14A_13_I	368351	4907479	2	0	0	100.3	100.3	1	1184.2	3.25	0	72.47	0	-0.16	0	0	11.43	0	0	0	0	0	0	16.55	16.55
	Inverters	S_3_4_I	369981	4908514	2	0	0	100.3	100.3	1	1222.4	3.25	0	72.74	0	-0.14	0	0	11.54	0	0	0	0	0	0	16.15	16.15
	Inverters	S_25B_4_I	368997	4909793	2	0	0	100.3	100.3	1	1225.9	3.25	0	72.77	0	-0.14	0	0	11.55	0	0	0	0	0	0	16.11	16.11

Inverters	S_14B_3_I	368184	4907470	2	0	0	100.3	100.3	1	1259.9	3.25	0	73.01	0	-0.13	0	0	11.64	0	0	0	0	0	0	15.77	15.77
Inverters	S_3_3_I	370019	4908694	2	0	0	100.3	100.3	1	1262.3	3.25	0	73.02	0	-0.13	0	0	11.65	0	0	0	0	0	0	15.74	15.74
Inverters	S_14A_4_I	368695	4907317	2	0	0	100.3	100.3	1	1274.7	3.25	0	73.11	0	-0.12	0	0	11.69	0	0	0	0	0	0	15.62	15.62
Inverters	S_3_2_I	370014	4908857	2	0	0	100.3	100.3	1	1281.1	3.25	0	73.15	0	-0.12	0	0	11.7	0	0	0	0	0	0	15.55	15.55
Inverters	S_25A_4_I	369219	4909793	2	0	0	100.3	100.3	1	1287.2	3.25	0	73.19	0	-0.12	0	0	11.72	0	0	0	0	0	0	15.49	15.49
Inverters	S_14B_4_I	367957	4907579	2	0	0	100.3	100.3	1	1291.7	3.25	0	73.22	0	-0.11	0	0	11.73	0	0	0	0	0	0	15.45	15.45
Inverters	S_14A_14_I	368357	4907344	2	0	0	100.3	100.3	1	1309.9	3.25	0	73.34	0	-0.11	0	0	11.78	0	0	0	0	0	0	15.27	15.27
Inverters	S_3_1_I	370016	4909146	2	0	0	100.3	100.3	1	1372.7	3.25	0	73.75	0	-0.08	0	0	11.95	0	0	0	0	0	0	14.67	14.67
Inverters	S_14A_6_I	368484	4907209	2	0	0	100.3	100.3	1	1408.5	3.25	0	73.98	0	-0.07	0	0	12.04	0	0	0	0	0	0	14.34	14.34
Inverters	S_25B_3_I	368989	4909991	2	0	0	100.3	100.3	1	1419.4	3.25	0	74.04	0	-0.06	0	0	12.07	0	0	0	0	0	0	14.24	14.24
Inverters	S_25A_3_I	369211	4909991	2	0	0	100.3	100.3	1	1471.5	3.25	0	74.36	0	-0.04	0	0	12.2	0	0	0	0	0	0	13.77	13.77
Inverters	S_14C_2_I	367669	4907587	2	0	0	100.3	100.3	1	1482.7	3.25	0	74.42	0	-0.04	0	0	12.23	0	0	0	0	0	0	13.68	13.68
Inverters	S_2_1_I	370225	4908848	2	0	0	100.3	100.3	1	1486.6	3.25	0	74.44	0	-0.04	0	0	12.24	0	0	0	0	0	0	13.64	13.64
Inverters	S_14C_1_I	367747	4907417	2	0	0	100.3	100.3	1	1550.5	3.25	0	74.81	0	-0.01	0	0	12.4	0	0	0	0	0	0	13.09	13.09
Inverters	S_25A_11_I	369174	4908481	2	0	0	89	89	1	427.15	3.25	0	63.61	0	0.48	0	0	4.82	0	0	0	0	0	0	20.13	20.13
Inverters	S_2_2_I	370320	4908704	2	0	0	100.3	100.3	1	1563.2	3.25	0	74.88	0	-0.01	0	0	12.43	0	0	0	0	0	0	12.99	12.99
Inverters	S_25A_10_I	369182	4908507	2	0	0	89	89	1	429.11	3.25	0	63.65	0	0.48	0	0	4.83	0	0	0	0	0	0	20.08	20.08
Inverters	S_25B_2_I	368982	4910180	2	0	0	100.3	100.3	1	1605.3	3.25	0	75.11	0	0.01	0	0	12.53	0	0	0	0	0	0	12.64	12.64
Inverters	S_25A_1_I	369091	4910370	2	0	0	100.3	100.3	1	1810.3	3.25	0	76.16	0	0.07	0	0	13	0	0	0	0	0	0	11.06	11.06
Inverters	S_12_2_I	370091	4907340	2	0	0	100.3	100.3	1	1825.2	3.25	0	76.23	0	0.08	0	0	13.03	0	0	0	0	0	0	10.95	10.95
Inverters	S_12_1_I	370241	4907365	2	0	0	100.3	100.3	1	1921.2	3.25	0	76.67	0	0.11	0	0	13.29	0	0	0	0	0	0	10.24	10.24
Inverters	S_12_3_I	370202	4907134	2	0	0	100.3	100.3	1	2048.5	3.25	0	77.23	0	0.15	0	0	13.51	0	0	0	0	0	0	9.4	9.4
Inverters	S_25A_2_I	369028	4910180	2	0	0	97.3	97.3	1	1612.3	3.25	0	75.15	0	0.01	0	0	12.55	0	0	0	0	0	0	9.59	9.59
Inverters	S_14A_1_I	368669	4907930	2	0	0	89	89	1	666.39	3.25	0	67.47	0	0.6	0	0	5.58	0	0	0	0	0	0	15.39	15.39
Inverters	S_25B_1_I	368975	4910359	2	0	0	97.3	97.3	1	1781.9	3.25	0	76.02	0	0.06	0	0	12.99	0	0	0	0	0	0	8.24	8.24
Inverters	S_14A_9_I	368501	4907930	2	0	0	89	89	1	709.37	3.25	0	68.02	0	0.62	0	0	5.68	0	0	0	0	0	0	14.73	14.73
Inverters	S_14A_10_I	368162	4907974	2	0	0	89	89	1	859.22	3.25	0	69.68	0	0.66	0	0	6	0	0	0	0	0	0	12.71	12.71
Inverters	S_14A_11_I	368336	4907840	2	0	0	89	89	1	862.05	3.25	0	69.71	0	0.66	0	0	6.01	0	0	0	0	0	0	12.67	12.67
Inverters	S_14A_2_I	368678	4907713	2	0	0	89	89	1	880.92	3.25	0	69.9	0	0.66	0	0	6.04	0	0	0	0	0	0	12.44	12.44
Inverters	S_19_3_I	365821	4906637	2	0	0	100.3	100.3	1	3529.6	3.25	0	81.95	0	0.46	0	0	16.23	0	0	0	0	0	0	1.65	1.65
Inverters	S_20_1_I	365584	4906625	2	0	0	100.3	100.3	1	3735.6	3.25	0	82.45	0	0.49	0	0	16.57	0	0	0	0	0	0	0.78	0.78
Inverter Transformer	S_25B_10_T	369050	4908605	2	0	0	77.3	77.3	1	289.4	3.25	0	60.23	0	-0.97	0	0	0.23	0	0	0	0	0	0	17.86	17.86
Sol_Luce Substation	S_Substation	369426	4908792	3	0	0	84	84	1	695	3.75	0	67.84	0	-0.68	0	0	1.88	0	0	0	0	0	0	14.94	14.94
Inverters	S_21_2_I	364717	4906166	2	0	0	100.3	100.3	1	4714.8	3.25	0	84.47	0	0.62	0	0	18.1	0	0	0	0	0	0	-2.9	-2.9
Inverters	S_21_3_I	364759	4906066	2	0	0	100.3	100.3	1	4731.5	3.25	0	84.5	0	0.62	0	0	18.13	0	0	0	0	0	0	-2.96	-2.96
Inverters	S_21_4_I	364821	4905922	2	0	0	100.3	100.3	1	4758.3	3.25	0	84.55	0	0.62	0	0	18.17	0	0	0	0	0	0	-3.05	-3.05
Inverters	S_21_6_I	365008	4905559	2	0	0	100.3	100.3	1	4824.1	3.25	0	84.67	0	0.63	0	0	18.27	0	0	0	0	0	0	-3.28	-3.28
Inverters	S_22_1_I	364678	4905894	2	0	0	100.3	100.3	1	4892.8	3.25	0	84.79	0	0.64	0	0	18.37	0	0	0	0	0	0	-3.51	-3.51
Inverters	S_21_7_I	365035	4905378	2	0	0	100.3	100.3	1	4919.4	3.25	0	84.84	0	0.64	0	0	18.41	0	0	0	0	0	0	-3.6	-3.6
Inverter Transformer	S_25B_9_T	369042	4908803	2	0	0	77.3	77.3	1	352.61	3.25	0	61.95	0	-1.21	0	0	0.27	0	0	0	0	0	0	16.33	16.33
Inverters	S_24_2_I	365168	4905045	2	0	0	100.3	100.3	1	5047.4	3.25	0	85.06	0	0.65	0	0	18.6	0	0	0	0	0	0	-4.02	-4.02
Inverters	S_23_2_I	364481	4905840	2	0	0	100.3	100.3	1	5087.3	3.25	0	85.13	0	0.66	0	0	18.66	0	0	0	0	0	0	-4.15	-4.15
Inverters	S_23_3_I	364566	4905641	2	0	0	100.3	100.3	1	5127.8	3.25	0	85.2	0	0.66	0	0	18.72	0	0	0	0	0	0	-4.28	-4.28
Inverters	S_23_4_I	364662	4905414	2	0	0	100.3	100.3	1	5185.4	3.25	0	85.3	0	0.66	0	0	18.8	0	0	0	0	0	0	-4.47	-4.47
Inverters	S_19_5_I	365801	4906394	2	0	0	97.3	97.3	1	3685.7	3.25	0	82.33	0	0.49	0	0	16.49	0	0	0	0	0	0	-2.01	-2.01
Inverters	S_14A_5_I	368656	4907147	2	0	0	89	89	1	1446.8	3.25	0	74.21	0	0.78	0	0	7.08	0	0	0	0	0	0	6.98	6.98
Inverter Transformer	S_25A_11_T	369179	4908481	2	0	0	77.3	77.3	1	431.99	3.25	0	63.71	0	-1.4	0	0	0.33	0	0	0	0	0	0	14.7	14.7
Inverter Transformer	S_25A_10_T	369187	4908507	2	0	0	77.3	77.3	1	434.02	3.25	0	63.75	0	-1.4	0	0	0.33	0	0	0	0	0	0	14.67	14.67
Inverters	S_21_1_I	364686	4906355	2	0	0	97.3	97.3	1	4647.7	3.25	0	84.34	0	0.61	0	0	18	0	0	0	0	0	0	-5.67	-5.67
Inverters	S_21_5_I	364930	4905785	2	0	0	97.3	97.3	1	4748.1	3.25	0	84.53	0	0.62	0	0	18.15	0	0	0	0	0	0	-6.02	-6.02
Inverter Transformer	S_25B_8_T	369034	4909001	2	0	0	77.3	77.3	1	493.41	3.25	0	64.86	0	-1.5	0	0	0.37	0	0	0	0	0	0	13.61	13.61
Inverters	S_22_2_I	364782	4905647	2	0	0	97.3	97.3	1	4949.1	3.25	0	84.89	0	0.64	0	0	18.45	0	0	0	0	0	0	-6.7	-6.7
Inverters	S_23_5_I	364735	4905244	2	0	0	97.3	97.3	1	5234.9	3.25	0	85.38	0	0.67	0	0	18.87	0	0	0	0	0	0	-7.63	-7.63
Inverter Transformer	S_4_4_T	369313	4908858	2	0	0	78.2	78.2	1	613.62	3.25	0	66.76	0	-1.64	0	0	0.44	0	0	0	0	0	0	12.68	12.68
Inverter Transformer	S_25A_9_T	369263	4908857	2	0	0	77.3	77.3	1	568.59	3.25	0	66.1	0	-1.6	0	0	0.42	0	0	0	0	0	0	12.43	12.43
Inverters	S_12_4_I	370255	4906972	2	0	0	89	89	1	2202.3	3.25	0	77.86	0	0.96	0	0	8.33	0	0	0	0	0	0	1.9	1.9
Inverter Transformer	S_25A_8_T	369256	4909001	2	0	0	77.3	77.3	1	643.39	3.25	0	67.17	0	-1.67	0	0	0.46	0	0	0	0	0	0	11.38	11.38

Inverter Transformer	S_25B_7_T	369026	4909199	2	0	0	77.3	77.3	1	664.16	3.25	0	67.45	0	-1.69	0	0	0.48	0	0	0	0	0	0	11.11	11.11
Inverter Transformer	S_14A_1_T	368664	4907930	2	0	0	77.3	77.3	1	667.09	3.25	0	67.48	0	-1.69	0	0	0.48	0	0	0	0	0	0	11.07	11.07
Inverter Transformer	S_4_3_T	369289	4909001	2	0	0	77.3	77.3	1	669.11	3.25	0	67.51	0	-1.69	0	0	0.48	0	0	0	0	0	0	11.05	11.05
SubstationTransformer	W_ST	369702.9	4906057	2.5	0	0	89.4	89.4	1	2702.5	3.5	0	79.64	0	0.01	0	0	5.51	0	0	0	0	0	0	4.23	4.23
Inverter Transformer	S_14A_9_T	368496	4907930	2	0	0	77.3	77.3	1	711.22	3.25	0	68.04	0	-1.73	0	0	0.51	0	0	0	0	0	0	10.53	10.53
Inverter Transformer	S_25A_7_T	369247	4909199	2	0	0	77.3	77.3	1	779.16	3.25	0	68.83	0	-1.78	0	0	0.55	0	0	0	0	0	0	9.74	9.74
Inverter Transformer	S_4_2_T	369282	4909199	2	0	0	77.3	77.3	1	801.45	3.25	0	69.08	0	-1.8	0	0	0.56	0	0	0	0	0	0	9.5	9.5
Inverter Transformer	S_25B_6_T	369018	4909397	2	0	0	77.3	77.3	1	846.94	3.25	0	69.56	0	-1.83	0	0	0.59	0	0	0	0	0	0	9.03	9.03
Inverter Transformer	S_14A_10_T	368157	4907974	2	0	0	77.3	77.3	1	862.72	3.25	0	69.72	0	-1.84	0	0	0.6	0	0	0	0	0	0	8.87	8.87
Inverter Transformer	S_14A_11_T	368331	4907840	2	0	0	77.3	77.3	1	864.53	3.25	0	69.74	0	-1.84	0	0	0.6	0	0	0	0	0	0	8.85	8.85
Inverter Transformer	S_14A_2_T	368673	4907713	2	0	0	77.3	77.3	1	881.41	3.25	0	69.9	0	-1.86	0	0	0.61	0	0	0	0	0	0	8.68	8.68
Inverters	S_19_2_I	365970	4906655	2	0	0	89	89	1	3396.2	3.25	0	81.62	0	1.25	0	0	10.17	0	0	0	0	0	0	-3.99	-3.99
Inverters	S_19_1_I	365849	4906817	2	0	0	89	89	1	3409.3	3.25	0	81.65	0	1.25	0	0	10.19	0	0	0	0	0	0	-4.04	-4.04
Inverter Transformer	S_14A_8_T	368505	4907704	2	0	0	77.3	77.3	1	922.25	3.25	0	70.3	0	-1.88	0	0	0.63	0	0	0	0	0	0	8.29	8.29
Inverter Transformer	S_25A_6_T	369240	4909397	2	0	0	77.3	77.3	1	938.45	3.25	0	70.45	0	-1.89	0	0	0.64	0	0	0	0	0	0	8.14	8.14
Inverter Transformer	S_4_1_T	369275	4909397	2	0	0	77.3	77.3	1	956.79	3.25	0	70.62	0	-1.91	0	0	0.65	0	0	0	0	0	0	7.98	7.98
Inverter Transformer	S_14B_1_T	368163	4907839	2	0	0	77.3	77.3	1	960.01	3.25	0	70.65	0	-1.91	0	0	0.66	0	0	0	0	0	0	7.95	7.95
Inverter Transformer	S_14A_12_T	368338	4907668	2	0	0	77.3	77.3	1	1014.4	3.25	0	71.12	0	-1.94	0	0	0.69	0	0	0	0	0	0	7.47	7.47
Inverter Transformer	S_25B_5_T	369010	4909595	2	0	0	77.3	77.3	1	1035.4	3.25	0	71.3	0	-1.95	0	0	0.7	0	0	0	0	0	0	7.29	7.29
Inverter Transformer	S_14B_6_T	367937	4907930	2	0	0	77.3	77.3	1	1055.7	3.25	0	71.47	0	-1.97	0	0	0.71	0	0	0	0	0	0	7.13	7.13
Inverter Transformer	S_14A_3_T	368682	4907506	2	0	0	77.3	77.3	1	1086.9	3.25	0	71.72	0	-1.99	0	0	0.73	0	0	0	0	0	0	6.87	6.87
Inverter Transformer	S_14B_2_T	368170	4907668	2	0	0	77.3	77.3	1	1095.2	3.25	0	71.79	0	-1.99	0	0	0.73	0	0	0	0	0	0	6.81	6.81
Inverter Transformer	S_25A_5_T	369232	4909595	2	0	0	77.3	77.3	1	1109.9	3.25	0	71.91	0	-2	0	0	0.74	0	0	0	0	0	0	6.69	6.69
Inverter Transformer	S_14A_7_T	368515	4907479	2	0	0	77.3	77.3	1	1137.9	3.25	0	72.12	0	-2.02	0	0	0.76	0	0	0	0	0	0	6.48	6.48
Inverter Transformer	S_14B_5_T	367945	4907759	2	0	0	77.3	77.3	1	1164.7	3.25	0	72.32	0	-2.03	0	0	0.77	0	0	0	0	0	0	6.28	6.28
Inverter Transformer	S_14A_13_T	368346	4907479	2	0	0	77.3	77.3	1	1186	3.25	0	72.48	0	-2.04	0	0	0.78	0	0	0	0	0	0	6.12	6.12
Gardiner Substation	G_Sub	366586.3	4903349.9	2.5	0	0	90.8	90.8	1	5673.4	4.25	0	86.08	0	1.81	2.2	0.39	9.39	0	0	0	0	0	0	-8.69	-8.69
Inverter Transformer	S_25B_4_T	369002	4909793	2	0	0	77.3	77.3	1	1226.9	3.25	0	72.78	0	-2.07	0	0	0.81	0	0	0	0	0	0	5.82	5.82
Inverter Transformer	S_3_4_T	369986	4908514	2	0	0	77.3	77.3	1	1227.4	3.25	0	72.78	0	-2.07	0	0	0.81	0	0	0	0	0	0	5.82	5.82
Inverter Transformer	S_3_3_T	370014	4908694	2	0	0	77.3	77.3	1	1257.3	3.25	0	72.99	0	-2.08	0	0	0.82	0	0	0	0	0	0	5.61	5.61
Inverter Transformer	S_14B_3_T	368179	4907470	2	0	0	77.3	77.3	1	1262.2	3.25	0	73.02	0	-2.08	0	0	0.83	0	0	0	0	0	0	5.58	5.58
Inverter Transformer	S_14A_4_T	368690	4907317	2	0	0	77.3	77.3	1	1275	3.25	0	73.11	0	-2.09	0	0	0.83	0	0	0	0	0	0	5.49	5.49
Inverter Transformer	S_3_2_T	370009	4908857	2	0	0	77.3	77.3	1	1276.2	3.25	0	73.12	0	-2.09	0	0	0.83	0	0	0	0	0	0	5.48	5.48
Inverter Transformer	S_25A_4_T	369224	4909793	2	0	0	77.3	77.3	1	1289	3.25	0	73.21	0	-2.1	0	0	0.84	0	0	0	0	0	0	5.39	5.39
Inverters	S_24_1_I	365313	4904994	2	0	0	89	89	1	4982	3.25	0	84.95	0	1.64	0	0	12.4	0	0	0	0	0	0	-9.94	-9.94
Inverter Transformer	S_14B_4_T	367952	4907579	2	0	0	77.3	77.3	1	1294.8	3.25	0	73.24	0	-2.1	0	0	0.84	0	0	0	0	0	0	5.35	5.35
Inverters	S_23_1_I	364448	4906039	2	0	0	89	89	1	5011	3.25	0	85	0	1.65	0	0	12.43	0	0	0	0	0	0	-10.03	-10.03
Inverter Transformer	S_14A_14_T	368352	4907344	2	0	0	77.3	77.3	1	1311.4	3.25	0	73.35	0	-2.11	0	0	0.85	0	0	0	0	0	0	5.24	5.24
Hut4Inverter1	W_H4I1	369417.3	4906578	2	0	0	81.4	81.4	1	2116.3	3.25	0	77.51	0	1.05	0	0	5.08	0	0	0	0	0	0	-2.2	-2.2
Hut4Inverter2	W_H4I2	369419.8	4906578	2	0	0	81.4	81.4	1	2117.1	3.25	0	77.51	0	1.05	0	0	5.08	0	0	0	0	0	0	-2.21	-2.21
Hut8Inverter1	W_H8I1	369575.8	4906578	2	0	0	81.4	81.4	1	2170.7	3.25	0	77.73	0	1.08	0	0	5.16	0	0	0	0	0	0	-2.53	-2.53
Hut8Inverter2	W_H8I2	369578.3	4906578	2	0	0	81.4	81.4	1	2171.7	3.25	0	77.74	0	1.08	0	0	5.16	0	0	0	0	0	0	-2.53	-2.53
Inverter Transformer	S_3_1_T	370011	4909146	2	0	0	77.3	77.3	1	1368.1	3.25	0	73.72	0	-2.14	0	0	0.88	0	0	0	0	0	0	4.87	4.87
Hut7Inverter1	W_H7I1	369722.3	4906578	2	0	0	81.4	81.4	1	2229.9	3.25	0	77.97	0	1.1	0	0	5.24	0	0	0	0	0	0	-2.87	-2.87
Hut7Inverter2	W_H7I2	369724.8	4906578	2	0	0	81.4	81.4	1	2230.9	3.25	0	77.97	0	1.1	0	0	5.24	0	0	0	0	0	0	-2.88	-2.88
Inverter Transformer	S_14A_6_T	368489	4907209	2	0	0	77.3	77.3	1	1407.5	3.25	0	73.97	0	-2.16	0	0	0.91	0	0	0	0	0	0	4.63	4.63
Inverter Transformer	S_25B_3_T	368994	4909991	2	0	0	77.3	77.3	1	1420.3	3.25	0	74.05	0	-2.16	0	0	0.91	0	0	0	0	0	0	4.55	4.55
Hut9Inverter1	W_H9I1	369382.1	4906387.6	2	0	0	81.4	81.4	1	2288.3	3.25	0	78.19	0	1.13	0	0	5.33	0	0	0	0	0	0	-3.2	-3.2
Hut9Inverter2	W_H9I2	369384.6	4906387.6	2	0	0	81.4	81.4	1	2289	3.25	0	78.19	0	1.13	0	0	5.33	0	0	0	0	0	0	-3.21	-3.21
Hut5Inverter1	W_H5I1	369874.7	4906578	2	0	0	81.4	81.4	1	2299.7	3.25	0	78.23	0	1.13	0	0	5.34	0	0	0	0	0	0	-3.27	-3.27
Hut5Inverter2	W_H5I2	369877.2	4906578	2	0	0	81.4	81.4	1	2300.9	3.25	0	78.24	0	1.13	0	0	5.34	0	0	0	0	0	0	-3.27	-3.27
Inverter Transformer	S_14A_5_T	368661	4907147	2	0	0	77.3	77.3	1	1446.5	3.25	0	74.21	0	-2.18	0	0	0.93	0	0	0	0	0	0	4.39	4.39
Inverter Transformer	S_25A_2_T	369023	4910180	2	0	0	78.2	78.2	1	1611.4	3.25	0	75.14	0	-2.25	0	0	1.01	0	0	0	0	0	0	4.34	4.34
Inverter Transformer	S_25A_3_T	369216	4909991	2	0	0	77.3	77.3	1	1473	3.25	0	74.36	0	-2.19	0	0	0.94	0	0	0	0	0	0	4.23	4.23
Inverter Transformer	S_14C_2_T	367674	4907587	2	0	0	77.3	77.3	1	1479.1	3.25	0	74.4	0	-2.19	0	0	0.94	0	0	0	0	0	0	4.19	4.19
Inverter Transformer	S_2_1_T	370230	4908848	2	0	0	77.3	77.3	1	1491.5	3.25	0	74.47	0	-2.2	0	0	0.95	0	0	0	0	0	0	4.12	4.12
Hut6Inverter1	W_H6I1	369769.3	4906417	2	0	0	81.4	81.4	1	2395.5	3.25	0	78.59	0	1.17	0	0	5.48	0	0	0	0	0	0	-3.79	-3.79

Hut6Inverter2	W_H6I2	369771.8	4906417	2	0	0	81.4	81.4	1	2396.6	3.25	0	78.59	0	1.17	0	0	5.48	0	0	0	0	0	0	-3.8	-3.8
Hut10Inverter1	W_H10I1	369622.5	4906334	2	0	0	81.4	81.4	1	2414.9	3.25	0	78.66	0	1.18	0	0	5.5	0	0	0	0	0	0	-3.9	-3.9
Hut10Inverter2	W_H10I2	369625.1	4906334	2	0	0	81.4	81.4	1	2415.8	3.25	0	78.66	0	1.18	0	0	5.51	0	0	0	0	0	0	-3.9	-3.9
Inverter Transformer	S_14C_1_T	367752	4907417	2	0	0	77.3	77.3	1	1547.3	3.25	0	74.79	0	-2.22	0	0	0.98	0	0	0	0	0	0	3.8	3.8
Hut3Inverter1	W_H3I1	369323.4	4906173	2	0	0	81.4	81.4	1	2481.6	3.25	0	78.89	0	1.21	0	0	5.6	0	0	0	0	0	0	-4.26	-4.26
Hut3Inverter2	W_H3I2	369325.9	4906173	2	0	0	81.4	81.4	1	2482.1	3.25	0	78.9	0	1.21	0	0	5.6	0	0	0	0	0	0	-4.26	-4.26
Inverter Transformer	S_2_2_T	370325	4908704	2	0	0	77.3	77.3	1	1568.2	3.25	0	74.91	0	-2.23	0	0	0.99	0	0	0	0	0	0	3.68	3.68
Hut2Inverter1	W_H2I1	369505.1	4906173	2	0	0	81.4	81.4	1	2529	3.25	0	79.06	0	1.22	0	0	5.66	0	0	0	0	0	0	-4.5	-4.5
Hut2Inverter2	W_H2I2	369507.7	4906173	2	0	0	81.4	81.4	1	2529.7	3.25	0	79.06	0	1.23	0	0	5.66	0	0	0	0	0	0	-4.51	-4.51
Inverter Transformer	S_25B_2_T	368987	4910180	2	0	0	77.3	77.3	1	1606	3.25	0	75.11	0	-2.25	0	0	1.01	0	0	0	0	0	0	3.47	3.47
Inverter Transformer	S_25B_1_T	368980	4910359	2	0	0	78.2	78.2	1	1782.5	3.25	0	76.02	0	-2.32	0	0	1.1	0	0	0	0	0	0	3.44	3.44
Hut1Inverter1	W_H1I1	369686.9	4906173	2	0	0	81.4	81.4	1	2588.3	3.25	0	79.26	0	1.25	0	0	5.74	0	0	0	0	0	0	-4.81	-4.81
Hut1Inverter2	W_H1I2	369689.4	4906173	2	0	0	81.4	81.4	1	2589.2	3.25	0	79.26	0	1.25	0	0	5.74	0	0	0	0	0	0	-4.81	-4.81
Inverters	G_Inv2	366676.9	4903239.1	2	0	0	87.7	87.7	1	5742.4	3.25	0	86.18	0	2.91	0	0	6.71	0	0	0	0	0	0	-8.14	-8.14
Inverters	G_Inv1	366526.4	4903225.8	2	0	0	87.7	87.7	1	5811	3.25	0	86.29	0	2.91	0	0	6.78	0	0	0	0	0	0	-8.32	-8.32
Inverters	G_Inv4	366732.8	4903105	2	0	0	87.7	87.7	1	5848	3.25	0	86.34	0	2.91	0	0	6.82	0	0	0	0	0	0	-8.41	-8.41
Inverters	G_Inv3	366583.7	4903091.4	2	0	0	87.7	87.7	1	5914	3.25	0	86.44	0	2.91	0	0	6.89	0	0	0	0	0	0	-8.58	-8.58
Inverter Transformer	S_25A_1_T	369086	4910370	2	0	0	77.3	77.3	1	1809.4	3.25	0	76.15	0	-2.33	0	0	1.11	0	0	0	0	0	0	2.41	2.41
Inverters	G_Inv6	366788.5	4902972	2	0	0	87.7	87.7	1	5954.2	3.25	0	86.5	0	2.92	0	0	6.93	0	0	0	0	0	0	-8.68	-8.68
Inverter Transformer	S_12_2_T	370086	4907340	2	0	0	77.3	77.3	1	1821.6	3.25	0	76.21	0	-2.34	0	0	1.12	0	0	0	0	0	0	2.35	2.35
Inverters	G_Inv5	366638.5	4902958.1	2	0	0	87.7	87.7	1	6018.6	3.25	0	86.59	0	2.92	0	0	7	0	0	0	0	0	0	-8.84	-8.84
Inverters	G_Inv8	366844.5	4902838.5	2	0	0	87.7	87.7	1	6062.4	3.25	0	86.65	0	2.92	0	0	7.04	0	0	0	0	0	0	-8.95	-8.95
Inverters	G_Inv7	366694.6	4902824.7	2	0	0	87.7	87.7	1	6124.4	3.25	0	86.74	0	2.92	0	0	7.11	0	0	0	0	0	0	-9.11	-9.11
Inverters	G_Inv10	366900.7	4902704.8	2	0	0	87.7	87.7	1	6172.2	3.25	0	86.81	0	2.92	0	0	7.15	0	0	0	0	0	0	-9.23	-9.23
Inverters	G_Inv9	366750.9	4902691.8	2	0	0	87.7	87.7	1	6231.3	3.25	0	86.89	0	2.93	0	0	7.21	0	0	0	0	0	0	-9.37	-9.37
Inverter Transformer	S_12_1_T	370236	4907365	2	0	0	77.3	77.3	1	1917.4	3.25	0	76.65	0	-2.37	0	0	1.17	0	0	0	0	0	0	1.9	1.9
Hut4Transformer	W_H4T	369418.6	4906582.7	2	0	0	77.8	77.8	1	2112.3	3.25	0	77.5	0	0.58	0	0	4.56	0	0	0	0	0	0	-4.85	-4.85
Inverter Transformer	S_12_3_T	370207	4907134	2	0	0	77.3	77.3	1	2052	3.25	0	77.24	0	-2.42	0	0	1.23	0	0	0	0	0	0	1.29	1.29
Hut8Transformer	W_H8T	369577.1	4906582.7	2	0	0	77.8	77.8	1	2166.9	3.25	0	77.72	0	0.59	0	0	4.65	0	0	0	0	0	0	-5.18	-5.18
Hut7Transformer	W_H7T	369723.6	4906582.7	2	0	0	77.8	77.8	1	2226.2	3.25	0	77.95	0	0.61	0	0	4.75	0	0	0	0	0	0	-5.53	-5.53
Hut9Transformer	W_H9T	369383.4	4906392.4	2	0	0	77.8	77.8	1	2284	3.25	0	78.17	0	0.62	0	0	4.84	0	0	0	0	0	0	-5.86	-5.86
Hut5Transformer	W_H5T	369876	4906582.7	2	0	0	77.8	77.8	1	2296.2	3.25	0	78.22	0	0.62	0	0	4.86	0	0	0	0	0	0	-5.93	-5.93
Inverter Transformer	S_12_4_T	370250	4906972	2	0	0	77.3	77.3	1	2198.9	3.25	0	77.84	0	-2.47	0	0	1.3	0	0	0	0	0	0	0.67	0.67
Hut6Transformer	W_H6T	369770.5	4906421.7	2	0	0	77.8	77.8	1	2391.8	3.25	0	78.57	0	0.65	0	0	5.02	0	0	0	0	0	0	-6.46	-6.46
Hut10Transformer	W_H10T	369623.8	4906338.7	2	0	0	77.8	77.8	1	2411	3.25	0	78.64	0	0.66	0	0	5.05	0	0	0	0	0	0	-6.57	-6.57
Hut3Transformer	W_H3T	369324.7	4906177.7	2	0	0	77.8	77.8	1	2477.3	3.25	0	78.88	0	0.67	0	0	5.15	0	0	0	0	0	0	-6.93	-6.93
Hut2Transformer	W_H2T	369506.4	4906177.7	2	0	0	77.8	77.8	1	2524.8	3.25	0	79.04	0	0.69	0	0	5.23	0	0	0	0	0	0	-7.18	-7.18
Hut1Transformer	W_H1T	369688.2	4906177.7	2	0	0	77.8	77.8	1	2584.4	3.25	0	79.25	0	0.7	0	0	5.32	0	0	0	0	0	0	-7.49	-7.49
Inverter Transformer	S_19_5_T	365796	4906394	2	0	0	78.2	78.2	1	3689.7	3.25	0	82.34	0	-2.89	0	0	1.94	0	0	0	0	0	0	-3.14	-3.14
Inverter Transformer	S_19_2_T	365975	4906655	2	0	0	77.3	77.3	1	3392.1	3.25	0	81.61	0	-2.82	0	0	1.82	0	0	0	0	0	0	-3.27	-3.27
Inverter Transformer	S_19_1_T	365844	4906817	2	0	0	77.3	77.3	1	3413.6	3.25	0	81.66	0	-2.82	0	0	1.83	0	0	0	0	0	0	-3.33	-3.33
Inverter Transformer	S_19_3_T	365816	4906637	2	0	0	77.3	77.3	1	3533.7	3.25	0	81.96	0	-2.85	0	0	1.87	0	0	0	0	0	0	-3.65	-3.65
Inverter Transformer	S_20_1_T	365589	4906625	2	0	0	77.3	77.3	1	3731.3	3.25	0	82.44	0	-2.9	0	0	1.95	0	0	0	0	0	0	-4.15	-4.15
Inverter Transformer	S_21_1_T	364681	4906355	2	0	0	78.2	78.2	1	4652.1	3.25	0	84.35	0	-3.11	0	0	2.29	0	0	0	0	0	0	-5.3	-5.3
Inverter Transformer	S_21_5_T	364925	4905785	2	0	0	78.2	78.2	1	4752.2	3.25	0	84.54	0	-3.13	0	0	2.33	0	0	0	0	0	0	-5.5	-5.5
Inverter Transformer	S_22_2_T	364777	4905647	2	0	0	78.2	78.2	1	4953.1	3.25	0	84.9	0	-3.17	0	0	2.4	0	0	0	0	0	0	-5.89	-5.89
Inverter Transformer	S_21_2_T	364722	4906166	2	0	0	77.3	77.3	1	4710.6	3.25	0	84.46	0	-3.12	0	0	2.31	0	0	0	0	0	0	-6.31	-6.31
Inverter Transformer	S_23_5_T	364730	4905244	2	0	0	78.2	78.2	1	5238.8	3.25	0	85.38	0	-3.22	0	0	2.49	0	0	0	0	0	0	-6.41	-6.41
Inverter Transformer	S_21_3_T	364764	4906066	2	0	0	77.3	77.3	1	4727.2	3.25	0	84.49	0	-3.12	0	0	2.32	0	0	0	0	0	0	-6.35	-6.35
Inverter Transformer	S_21_4_T	364826	4905922	2	0	0	77.3	77.3	1	4754.2	3.25	0	84.54	0	-3.13	0	0	2.33	0	0	0	0	0	0	-6.4	-6.4
Inverter Transformer	S_21_6_T	365003	4905559	2	0	0	77.3	77.3	1	4828	3.25	0	84.68	0	-3.14	0	0	2.35	0	0	0	0	0	0	-6.55	-6.55
Inverter Transformer	S_22_1_T	364673	4905894	2	0	0	77.3	77.3	1	4897	3.25	0	84.8	0	-3.16	0	0	2.38	0	0	0	0	0	0	-6.68	-6.68
Inverter Transformer	S_21_7_T	365040	4905378	2	0	0	77.3	77.3	1	4915.6	3.25	0	84.83	0	-3.16	0	0	2.38	0	0	0	0	0	0	-6.71	-6.71
Inverter Transformer	S_24_1_T	365318	4904994	2	0	0	77.3	77.3	1	4978.5	3.25	0	84.94	0	-3.17	0	0	2.41	0	0	0	0	0	0	-6.83	-6.83
Inverter Transformer	S_23_1_T	364443	4906039	2	0	0	77.3	77.3	1	5015.3	3.25	0	85.01	0	-3.18	0	0	2.42	0	0	0	0	0	0	-6.9	-6.9
Inverter Transformer	S_24_2_T	365163	4905045	2	0	0	77.3	77.3	1	5051	3.25	0	85.07	0	-3.19	0	0	2.43	0	0	0	0	0	0	-6.97	-6.97
Inverter Transformer	S_23_2_T	364476	4905840	2	0	0	77.3	77.3	1	5091.5	3.25	0	85.14	0	-3.2	0	0	2.44	0	0	0	0	0	0	-7.04	-7.04

	Inverter Transformer	S_23_3_T	364561	4905641	2	0	0	77.3	77.3	1	5131.9	3.25	0	85.21	0	-3.2	0	0	2.46	0	0	0	0	0	0	-7.12	-7.12
	Inverter Transformer	S_23_4_T	364657	4905414	2	0	0	77.3	77.3	1	5189.4	3.25	0	85.3	0	-3.22	0	0	2.48	0	0	0	0	0	0	-7.22	-7.22
mit. Value D/N:	0	0																								
Level D/N:	38.1224	38.1224																								

Receiver: Non-Participating Residence
ID: S-R50
X: 369926
Y: 4908239
Z: 4.5
Ground: 0

ISO	Description	ID	X	Y	Z	Ground	ReflOrd	LxT	LxN	L/A	Dist.	hm	Freq	Adiv	K0b	Agr	Abar	z	Aatm	Afol	Ahous	Cmet	CmetN	Dc	RL	LtotT	LtotN
	Inverters	S_3_4_I	369981	4908514	2	0	0	100.3	100.3	1	280.46	3.25	0	59.96	0	-0.64	0	0	6.08	0	0	0	0	0	0	34.89	34.89
	Inverters	S_3_3_I	370019	4908694	2	0	0	100.3	100.3	1	464.41	3.25	0	64.34	0	-0.57	0	0	8.19	0	0	0	0	0	0	28.33	28.33
	Inverters	S_2_2_I	370320	4908704	2	0	0	100.3	100.3	1	609.48	3.25	0	66.7	0	-0.47	0	0	9.21	0	0	0	0	0	0	24.85	24.85
	Inverters	S_3_2_I	370014	4908857	2	0	0	100.3	100.3	1	624.24	3.25	0	66.91	0	-0.46	0	0	9.3	0	0	0	0	0	0	24.54	24.54
	Inverters	S_2_1_I	370225	4908848	2	0	0	100.3	100.3	1	678.45	3.25	0	67.63	0	-0.42	0	0	9.58	0	0	0	0	0	0	23.5	23.5
	Inverters	S_25A_9_I	369258	4908857	2	0	0	100.3	100.3	1	910.03	3.25	0	70.18	0	-0.29	0	0	10.55	0	0	0	0	0	0	19.85	19.85
	Inverters	S_3_1_I	370016	4909146	2	0	0	100.3	100.3	1	911.46	3.25	0	70.19	0	-0.29	0	0	10.56	0	0	0	0	0	0	19.83	19.83
	Inverters	S_12_2_I	370091	4907340	2	0	0	100.3	100.3	1	914.02	3.25	0	70.22	0	-0.29	0	0	10.57	0	0	0	0	0	0	19.79	19.79
	Inverters	S_12_1_I	370241	4907365	2	0	0	100.3	100.3	1	929.04	3.25	0	70.36	0	-0.28	0	0	10.67	0	0	0	0	0	0	19.56	19.56
	Inverters	S_4_3_I	369294	4909001	2	0	0	100.3	100.3	1	989.99	3.25	0	70.91	0	-0.25	0	0	10.83	0	0	0	0	0	0	18.8	18.8
	Inverters	S_25A_8_I	369251	4909001	2	0	0	100.3	100.3	1	1018	3.25	0	71.15	0	-0.24	0	0	10.92	0	0	0	0	0	0	18.45	18.45
	Inverters	S_25B_9_I	369037	4908803	2	0	0	100.3	100.3	1	1052.8	3.25	0	71.45	0	-0.22	0	0	11.03	0	0	0	0	0	0	18.03	18.03
	Inverters	S_12_3_I	370202	4907134	2	0	0	100.3	100.3	1	1139	3.25	0	72.13	0	-0.18	0	0	11.3	0	0	0	0	0	0	17.04	17.04
	Inverters	S_4_2_I	369287	4909199	2	0	0	100.3	100.3	1	1153.2	3.25	0	72.24	0	-0.17	0	0	11.34	0	0	0	0	0	0	16.89	16.89
	Inverters	S_25B_8_I	369029	4909001	2	0	0	100.3	100.3	1	1177	3.25	0	72.42	0	-0.16	0	0	11.41	0	0	0	0	0	0	16.63	16.63
	Inverters	S_25A_7_I	369242	4909199	2	0	0	100.3	100.3	1	1178.8	3.25	0	72.43	0	-0.16	0	0	11.41	0	0	0	0	0	0	16.61	16.61
	Inverters	S_4_4_I	369318	4908858	2	0	0	97.3	97.3	1	867.66	3.25	0	69.77	0	-0.31	0	0	10.45	0	0	0	0	0	0	17.41	17.41
	Inverters	S_25B_7_I	369021	4909199	2	0	0	100.3	100.3	1	1319.3	3.25	0	73.41	0	-0.1	0	0	11.81	0	0	0	0	0	0	15.18	15.18
	Inverters	S_4_1_I	369280	4909397	2	0	0	100.3	100.3	1	1326	3.25	0	73.45	0	-0.1	0	0	11.83	0	0	0	0	0	0	15.11	15.11
	Inverters	S_25A_6_I	369235	4909397	2	0	0	100.3	100.3	1	1348.5	3.25	0	73.6	0	-0.09	0	0	11.89	0	0	0	0	0	0	14.9	14.9
	Inverters	S_14A_3_I	368687	4907506	2	0	0	100.3	100.3	1	1439.6	3.25	0	74.16	0	-0.05	0	0	12.12	0	0	0	0	0	0	14.06	14.06
	Inverters	S_25B_6_I	369013	4909397	2	0	0	100.3	100.3	1	1474.6	3.25	0	74.37	0	-0.04	0	0	12.21	0	0	0	0	0	0	13.75	13.75
	Inverters	S_14A_8_I	368510	4907704	2	0	0	100.3	100.3	1	1513.7	3.25	0	74.6	0	-0.03	0	0	12.31	0	0	0	0	0	0	13.41	13.41
	Inverters	S_25A_5_I	369227	4909595	2	0	0	100.3	100.3	1	1525.6	3.25	0	74.67	0	-0.02	0	0	12.34	0	0	0	0	0	0	13.31	13.31
	Inverters	S_14A_4_I	368695	4907317	2	0	0	100.3	100.3	1	1538	3.25	0	74.74	0	-0.02	0	0	12.37	0	0	0	0	0	0	13.2	13.2
	Inverters	S_14A_7_I	368520	4907479	2	0	0	100.3	100.3	1	1598.3	3.25	0	75.07	0	0	0	0	12.51	0	0	0	0	0	0	12.7	12.7
	Inverters	S_25B_5_I	369005	4909595	2	0	0	100.3	100.3	1	1639.2	3.25	0	75.29	0	0.02	0	0	12.61	0	0	0	0	0	0	12.37	12.37
	Inverters	S_14A_12_I	368343	4907668	2	0	0	100.3	100.3	1	1682.8	3.25	0	75.52	0	0.03	0	0	12.71	0	0	0	0	0	0	12.02	12.02
	Inverters	S_25A_4_I	369219	4909793	2	0	0	100.3	100.3	1	1707.3	3.25	0	75.65	0	0.04	0	0	12.77	0	0	0	0	0	0	11.83	11.83
	Inverters	S_14A_13_I	368351	4907479	2	0	0	100.3	100.3	1	1748.8	3.25	0	75.85	0	0.05	0	0	12.86	0	0	0	0	0	0	11.52	11.52
	Inverters	S_14A_6_I	368484	4907209	2	0	0	100.3	100.3	1	1772.1	3.25	0	75.97	0	0.06	0	0	12.92	0	0	0	0	0	0	11.34	11.34
	Inverters	S_14B_1_I	368168	4907839	2	0	0	100.3	100.3	1	1802.9	3.25	0	76.12	0	0.07	0	0	12.99	0	0	0	0	0	0	11.11	11.11
	Inverters	S_14A_14_I	368357	4907344	2	0	0	100.3	100.3	1	1806.3	3.25	0	76.14	0	0.07	0	0	12.99	0	0	0	0	0	0	11.09	11.09
	Inverters	S_25B_4_I	368997	4909793	2	0	0	100.3	100.3	1	1810.5	3.25	0	76.16	0	0.07	0	0	13	0	0	0	0	0	0	11.06	11.06
	Inverters	S_14B_2_I	368175	4907668	2	0	0	100.3	100.3	1	1841.8	3.25	0	76.3	0	0.08	0	0	13.07	0	0	0	0	0	0	10.83	10.83
	Inverters	S_25A_3_I	369211	4909991	2	0	0	100.3	100.3	1	1892.3	3.25	0	76.54	0	0.1	0	0	13.18	0	0	0	0	0	0	10.47	10.47
	Inverters	S_14B_3_I	368184	4907470	2	0	0	100.3	100.3	1	1904.2	3.25	0	76.59	0	0.1	0	0	13.21	0	0	0	0	0	0	10.38	10.38
	Inverters	S_25B_3_I	368989	4909991	2	0	0	100.3	100.3	1	1986.8	3.25	0	76.96	0	0.13	0	0	13.38	0	0	0	0	0	0	9.81	9.81
	Inverters	S_14B_6_I	367942	4907930	2	0	0	100.3	100.3	1	2007.9	3.25	0	77.05	0	0.13	0	0	13.43	0	0	0	0	0	0	9.67	9.67
	Inverters	S_14B_5_I	367950	4907759	2	0	0	100.3	100.3	1	2033.5	3.25	0	77.16	0	0.14	0	0	13.48	0	0	0	0	0	0	9.5	9.5
	Inverters	S_14B_4_I	367957	4907579	2	0	0	100.3	100.3	1	2076.7	3.25	0	77.35	0	0.15	0	0	13.57	0	0	0	0	0	0	9.22	9.22
	Inverters	S_25B_2_I	368982	4910180	2	0	0	100.3	100.3	1	2158.4	3.25	0	77.68	0	0.18	0	0	13.74	0	0	0	0	0	0	8.69	8.69
	Inverters	S_25A_1_I	369091	4910370	2	0	0	100.3	100.3	1	2288.8	3.25	0	78.19	0	0.21	0	0	14	0	0	0	0	0	0	7.89	7.89

Inverters	S_14C_1_I	367747	4907417	2	0	0	100.3	100.3	1	2328.9	3.25	0	78.34	0	0.22	0	0	14.08	0	0	0	0	0	0	7.65	7.65
Inverters	S_14C_2_I	367669	4907587	2	0	0	100.3	100.3	1	2349.3	3.25	0	78.42	0	0.22	0	0	14.12	0	0	0	0	0	0	7.53	7.53
Inverters	S_25A_11_I	369174	4908481	2	0	0	89	89	1	789.98	3.25	0	68.95	0	0.64	0	0	5.86	0	0	0	0	0	0	13.59	13.59
Inverters	S_25A_10_I	369182	4908507	2	0	0	89	89	1	790.8	3.25	0	68.96	0	0.64	0	0	5.86	0	0	0	0	0	0	13.58	13.58
Inverters	S_25A_2_I	369028	4910180	2	0	0	97.3	97.3	1	2138.7	3.25	0	77.6	0	0.17	0	0	13.7	0	0	0	0	0	0	5.82	5.82
Inverters	S_25B_1_I	368975	4910359	2	0	0	97.3	97.3	1	2323.5	3.25	0	78.32	0	0.22	0	0	14.12	0	0	0	0	0	0	4.66	4.66
Inverters	S_25B_10_I	369045	4908605	2	0	0	89	89	1	954	3.25	0	70.59	0	0.68	0	0	6.19	0	0	0	0	0	0	11.59	11.59
Inverter Transformer	S_3_4_T	369986	4908514	2	0	0	77.3	77.3	1	281.48	3.25	0	59.99	0	-0.94	0	0	0.22	0	0	0	0	0	0	18.07	18.07
Inverters	S_19_3_I	365821	4906637	2	0	0	100.3	100.3	1	4406.5	3.25	0	83.88	0	0.59	0	0	17.64	0	0	0	0	0	0	-1.81	-1.81
Inverters	S_20_1_I	365584	4906625	2	0	0	100.3	100.3	1	4632.3	3.25	0	84.32	0	0.61	0	0	17.98	0	0	0	0	0	0	-2.62	-2.62
Inverters	S_14A_1_I	368669	4907930	2	0	0	89	89	1	1294.4	3.25	0	73.24	0	0.75	0	0	6.81	0	0	0	0	0	0	8.25	8.25
Inverters	S_12_4_I	370255	4906972	2	0	0	89	89	1	1309	3.25	0	73.34	0	0.75	0	0	6.84	0	0	0	0	0	0	8.12	8.12
Sol_Luce Substation	S_Substation	369426	4908792	3	0	0	84	84	1	745.53	3.75	0	68.45	0	-0.68	0	0	1.99	0	0	0	0	0	0	14.22	14.22
Inverters	S_14A_2_I	368678	4907713	2	0	0	89	89	1	1354.3	3.25	0	73.63	0	0.76	0	0	6.91	0	0	0	0	0	0	7.73	7.73
Inverters	S_14A_9_I	368501	4907930	2	0	0	89	89	1	1458.1	3.25	0	74.28	0	0.79	0	0	7.1	0	0	0	0	0	0	6.89	6.89
Inverters	S_21_6_I	365008	4905559	2	0	0	100.3	100.3	1	5600.8	3.25	0	85.97	0	0.69	0	0	19.39	0	0	0	0	0	0	-5.76	-5.76
Inverters	S_21_3_I	364759	4906066	2	0	0	100.3	100.3	1	5605.3	3.25	0	85.97	0	0.69	0	0	19.4	0	0	0	0	0	0	-5.77	-5.77
Inverters	S_21_4_I	364821	4905922	2	0	0	100.3	100.3	1	5606.2	3.25	0	85.97	0	0.69	0	0	19.4	0	0	0	0	0	0	-5.78	-5.78
Inverters	S_21_2_I	364717	4906166	2	0	0	100.3	100.3	1	5606.3	3.25	0	85.97	0	0.69	0	0	19.4	0	0	0	0	0	0	-5.78	-5.78
Inverters	S_21_7_I	365035	4905378	2	0	0	100.3	100.3	1	5666.3	3.25	0	86.07	0	0.7	0	0	19.48	0	0	0	0	0	0	-5.96	-5.96
Inverters	S_24_2_I	365168	4905045	2	0	0	100.3	100.3	1	5730.6	3.25	0	86.16	0	0.7	0	0	19.57	0	0	0	0	0	0	-6.15	-6.15
Inverters	S_22_1_I	364678	4905894	2	0	0	100.3	100.3	1	5748.1	3.25	0	86.19	0	0.7	0	0	19.6	0	0	0	0	0	0	-6.2	-6.2
Inverters	S_23_2_I	364481	4905840	2	0	0	100.3	100.3	1	5950.1	3.25	0	86.49	0	0.71	0	0	19.87	0	0	0	0	0	0	-6.78	-6.78
Inverters	S_23_3_I	364566	4905641	2	0	0	100.3	100.3	1	5956.4	3.25	0	86.5	0	0.71	0	0	19.88	0	0	0	0	0	0	-6.8	-6.8
Inverters	S_23_4_I	364662	4905414	2	0	0	100.3	100.3	1	5974.1	3.25	0	86.53	0	0.71	0	0	19.91	0	0	0	0	0	0	-6.85	-6.85
Inverters	S_14A_11_I	368336	4907840	2	0	0	89	89	1	1639.3	3.25	0	75.29	0	0.83	0	0	7.4	0	0	0	0	0	0	5.52	5.52
Inverters	S_14A_5_I	368656	4907147	2	0	0	89	89	1	1674.9	3.25	0	75.48	0	0.83	0	0	7.46	0	0	0	0	0	0	5.27	5.27
Inverters	S_19_5_I	365801	4906394	2	0	0	97.3	97.3	1	4518.8	3.25	0	84.1	0	0.6	0	0	17.81	0	0	0	0	0	0	-5.22	-5.22
Inverter Transformer	S_3_3_T	370014	4908694	2	0	0	77.3	77.3	1	463.44	3.25	0	64.32	0	-1.45	0	0	0.35	0	0	0	0	0	0	14.13	14.13
Inverters	S_14A_10_I	368162	4907974	2	0	0	89	89	1	1783.8	3.25	0	76.03	0	0.86	0	0	7.65	0	0	0	0	0	0	4.51	4.51
SubstationTransformer	W_ST	369702.9	4906057	2.5	0	0	89.4	89.4	1	2193.4	3.5	0	77.82	0	-0.12	0	0	4.69	0	0	0	0	0	0	6.98	6.98
Inverters	S_21_5_I	364930	4905785	2	0	0	97.3	97.3	1	5566.2	3.25	0	85.91	0	0.69	0	0	19.34	0	0	0	0	0	0	-8.65	-8.65
Inverters	S_21_1_I	364686	4906355	2	0	0	97.3	97.3	1	5568.4	3.25	0	85.91	0	0.69	0	0	19.35	0	0	0	0	0	0	-8.66	-8.66
Inverters	S_22_2_I	364782	4905647	2	0	0	97.3	97.3	1	5760.1	3.25	0	86.21	0	0.7	0	0	19.61	0	0	0	0	0	0	-9.23	-9.23
Inverters	S_23_5_I	364735	4905244	2	0	0	97.3	97.3	1	5993	3.25	0	86.55	0	0.71	0	0	19.93	0	0	0	0	0	0	-9.91	-9.91
Inverter Transformer	S_2_2_T	370325	4908704	2	0	0	77.3	77.3	1	612.73	3.25	0	66.75	0	-1.64	0	0	0.44	0	0	0	0	0	0	11.79	11.79
Inverter Transformer	S_3_2_T	370009	4908857	2	0	0	77.3	77.3	1	623.55	3.25	0	66.9	0	-1.65	0	0	0.45	0	0	0	0	0	0	11.65	11.65
Inverter Transformer	S_2_1_T	370230	4908848	2	0	0	77.3	77.3	1	680.66	3.25	0	67.66	0	-1.7	0	0	0.49	0	0	0	0	0	0	10.9	10.9
Inverter Transformer	S_25A_11_T	369179	4908481	2	0	0	77.3	77.3	1	785.23	3.25	0	68.9	0	-1.79	0	0	0.55	0	0	0	0	0	0	9.68	9.68
Inverter Transformer	S_4_4_T	369313	4908858	2	0	0	78.2	78.2	1	871.17	3.25	0	69.8	0	-1.85	0	0	0.6	0	0	0	0	0	0	9.68	9.68
Inverter Transformer	S_25A_10_T	369187	4908507	2	0	0	77.3	77.3	1	786.1	3.25	0	68.91	0	-1.79	0	0	0.55	0	0	0	0	0	0	9.67	9.67
Inverter Transformer	S_25A_9_T	369263	4908857	2	0	0	77.3	77.3	1	906.37	3.25	0	70.15	0	-1.87	0	0	0.62	0	0	0	0	0	0	8.44	8.44
Inverter Transformer	S_3_1_T	370011	4909146	2	0	0	77.3	77.3	1	910.98	3.25	0	70.19	0	-1.88	0	0	0.63	0	0	0	0	0	0	8.4	8.4
Inverter Transformer	S_12_2_T	370086	4907340	2	0	0	77.3	77.3	1	913.13	3.25	0	70.21	0	-1.88	0	0	0.63	0	0	0	0	0	0	8.38	8.38
Inverter Transformer	S_12_1_T	370236	4907365	2	0	0	77.3	77.3	1	927.35	3.25	0	70.34	0	-1.89	0	0	0.64	0	0	0	0	0	0	8.25	8.25
Inverter Transformer	S_25B_10_T	369050	4908605	2	0	0	77.3	77.3	1	949.39	3.25	0	70.55	0	-1.9	0	0	0.65	0	0	0	0	0	0	8.04	8.04
Inverter Transformer	S_4_3_T	369289	4909001	2	0	0	77.3	77.3	1	993.19	3.25	0	70.94	0	-1.93	0	0	0.67	0	0	0	0	0	0	7.65	7.65
Inverter Transformer	S_25A_8_T	369256	4909001	2	0	0	77.3	77.3	1	1014.7	3.25	0	71.13	0	-1.94	0	0	0.69	0	0	0	0	0	0	7.47	7.47
Hut5Inverter2	W_H5I2	369877.2	4906578	2	0	0	81.4	81.4	1	1661.7	3.25	0	75.41	0	0.86	0	0	4.38	0	0	0	0	0	0	0.8	0.8
Hut5Inverter1	W_H5I1	369874.7	4906578	2	0	0	81.4	81.4	1	1661.8	3.25	0	75.41	0	0.86	0	0	4.38	0	0	0	0	0	0	0.8	0.8
Hut7Inverter2	W_H7I2	369724.8	4906578	2	0	0	81.4	81.4	1	1673.1	3.25	0	75.47	0	0.86	0	0	4.4	0	0	0	0	0	0	0.71	0.71
Hut7Inverter1	W_H7I1	369722.3	4906578	2	0	0	81.4	81.4	1	1673.5	3.25	0	75.47	0	0.86	0	0	4.4	0	0	0	0	0	0	0.71	0.71
Inverter Transformer	S_25B_9_T	369042	4908803	2	0	0	77.3	77.3	1	1048.6	3.25	0	71.41	0	-1.96	0	0	0.71	0	0	0	0	0	0	7.19	7.19
Hut8Inverter2	W_H8I2	369578.3	4906578	2	0	0	81.4	81.4	1	1697	3.25	0	75.59	0	0.87	0	0	4.43	0	0	0	0	0	0	0.54	0.54
Hut8Inverter1	W_H8I1	369575.8	4906578	2	0	0	81.4	81.4	1	1697.5	3.25	0	75.6	0	0.87	0	0	4.44	0	0	0	0	0	0	0.54	0.54
Hut4Inverter2	W_H4I2	369419.8	4906578	2	0	0	81.4	81.4	1	1736.4	3.25	0	75.79	0	0.89	0	0	4.5	0	0	0	0	0	0	0.26	0.26
Hut4Inverter1	W_H4I1	369417.3	4906578	2	0	0	81.4	81.4	1	1737.2	3.25	0	75.8	0	0.89	0	0	4.5	0	0	0	0	0	0	0.26	0.26

Inverters	S_19_2_I	365970	4906655	2	0	0	89	89	1	4261.3	3.25	0	83.59	0	1.46	0	0	11.41	0	0	0	0	0	0	-7.42	-7.42
Inverters	S_19_1_I	365849	4906817	2	0	0	89	89	1	4317.9	3.25	0	83.71	0	1.47	0	0	11.49	0	0	0	0	0	0	-7.62	-7.62
Inverter Transformer	S_12_3_T	370207	4907134	2	0	0	77.3	77.3	1	1140.2	3.25	0	72.14	0	-2.02	0	0	0.76	0	0	0	0	0	0	6.46	6.46
Hut6Inverter2	W_H6I2	369771.8	4906417	2	0	0	81.4	81.4	1	1828.5	3.25	0	76.24	0	0.93	0	0	4.64	0	0	0	0	0	0	-0.37	-0.37
Hut6Inverter1	W_H6I1	369769.3	4906417	2	0	0	81.4	81.4	1	1828.7	3.25	0	76.24	0	0.93	0	0	4.64	0	0	0	0	0	0	-0.37	-0.37
Inverter Transformer	S_4_2_T	369282	4909199	2	0	0	77.3	77.3	1	1156	3.25	0	72.26	0	-2.03	0	0	0.77	0	0	0	0	0	0	6.34	6.34
Inverter Transformer	S_25B_8_T	369034	4909001	2	0	0	77.3	77.3	1	1173.2	3.25	0	72.39	0	-2.04	0	0	0.78	0	0	0	0	0	0	6.21	6.21
Inverter Transformer	S_25A_7_T	369247	4909199	2	0	0	77.3	77.3	1	1175.9	3.25	0	72.41	0	-2.04	0	0	0.78	0	0	0	0	0	0	6.19	6.19
Hut10Inverter2	W_H10I2	369625.1	4906334	2	0	0	81.4	81.4	1	1928.6	3.25	0	76.7	0	0.97	0	0	4.8	0	0	0	0	0	0	-1.03	-1.03
Hut9Inverter2	W_H9I2	369384.6	4906387.6	2	0	0	81.4	81.4	1	1928.9	3.25	0	76.71	0	0.97	0	0	4.8	0	0	0	0	0	0	-1.04	-1.04
Hut10Inverter1	W_H10I1	369622.5	4906334	2	0	0	81.4	81.4	1	1929	3.25	0	76.71	0	0.97	0	0	4.8	0	0	0	0	0	0	-1.04	-1.04
Hut9Inverter1	W_H9I1	369382.1	4906387.6	2	0	0	81.4	81.4	1	1929.6	3.25	0	76.71	0	0.97	0	0	4.8	0	0	0	0	0	0	-1.04	-1.04
Gardiner Substation	G_Sub	366586.3	4903349.9	2.5	0	0	90.8	90.8	1	5920.9	4.25	0	86.45	0	1.86	2.13	0.37	9.66	0	0	0	0	0	0	-9.32	-9.32
Hut1Inverter2	W_H1I2	369689.4	4906173	2	0	0	81.4	81.4	1	2079.5	3.25	0	77.36	0	1.04	0	0	5.02	0	0	0	0	0	0	-1.98	-1.98
Hut1Inverter1	W_H1I1	369686.9	4906173	2	0	0	81.4	81.4	1	2079.8	3.25	0	77.36	0	1.04	0	0	5.02	0	0	0	0	0	0	-1.98	-1.98
Inverter Transformer	S_14A_1_T	368664	4907930	2	0	0	77.3	77.3	1	1299.3	3.25	0	73.27	0	-2.1	0	0	0.85	0	0	0	0	0	0	5.32	5.32
Inverter Transformer	S_12_4_T	370250	4906972	2	0	0	77.3	77.3	1	1307.8	3.25	0	73.33	0	-2.11	0	0	0.85	0	0	0	0	0	0	5.27	5.27
Hut2Inverter2	W_H2I2	369507.7	4906173	2	0	0	81.4	81.4	1	2107.9	3.25	0	77.48	0	1.05	0	0	5.07	0	0	0	0	0	0	-2.15	-2.15
Hut2Inverter1	W_H2I1	369505.1	4906173	2	0	0	81.4	81.4	1	2108.4	3.25	0	77.48	0	1.05	0	0	5.07	0	0	0	0	0	0	-2.15	-2.15
Inverter Transformer	S_25B_7_T	369026	4909199	2	0	0	77.3	77.3	1	1315.9	3.25	0	73.38	0	-2.11	0	0	0.86	0	0	0	0	0	0	5.21	5.21
Inverter Transformer	S_4_1_T	369275	4909397	2	0	0	77.3	77.3	1	1328.5	3.25	0	73.47	0	-2.12	0	0	0.86	0	0	0	0	0	0	5.13	5.13
Hut3Inverter2	W_H3I2	369325.9	4906173	2	0	0	81.4	81.4	1	2151.4	3.25	0	77.65	0	1.07	0	0	5.13	0	0	0	0	0	0	-2.41	-2.41
Hut3Inverter1	W_H3I1	369323.4	4906173	2	0	0	81.4	81.4	1	2152.1	3.25	0	77.66	0	1.07	0	0	5.13	0	0	0	0	0	0	-2.42	-2.42
Inverter Transformer	S_25A_6_T	369240	4909397	2	0	0	77.3	77.3	1	1345.9	3.25	0	73.58	0	-2.13	0	0	0.87	0	0	0	0	0	0	5.02	5.02
Inverter Transformer	S_14A_2_T	368673	4907713	2	0	0	77.3	77.3	1	1358.9	3.25	0	73.66	0	-2.13	0	0	0.88	0	0	0	0	0	0	4.93	4.93
Inverter Transformer	S_14A_3_T	368682	4907506	2	0	0	77.3	77.3	1	1443.9	3.25	0	74.19	0	-2.18	0	0	0.92	0	0	0	0	0	0	4.4	4.4
Inverter Transformer	S_14A_9_T	368496	4907930	2	0	0	77.3	77.3	1	1463	3.25	0	74.3	0	-2.18	0	0	0.93	0	0	0	0	0	0	4.29	4.29
Inverters	S_24_1_I	365313	4904994	2	0	0	89	89	1	5640	3.25	0	86.03	0	1.8	0	0	13.26	0	0	0	0	0	0	-12.04	-12.04
Inverter Transformer	S_25B_6_T	369018	4909397	2	0	0	77.3	77.3	1	1471.5	3.25	0	74.36	0	-2.19	0	0	0.94	0	0	0	0	0	0	4.24	4.24
Inverter Transformer	S_14A_8_T	368505	4907704	2	0	0	77.3	77.3	1	1518.4	3.25	0	74.63	0	-2.21	0	0	0.96	0	0	0	0	0	0	3.96	3.96
Inverter Transformer	S_25A_5_T	369232	4909595	2	0	0	77.3	77.3	1	1523.3	3.25	0	74.66	0	-2.21	0	0	0.97	0	0	0	0	0	0	3.93	3.93
Inverters	S_23_1_I	364448	4906039	2	0	0	89	89	1	5903.3	3.25	0	86.42	0	1.87	0	0	13.6	0	0	0	0	0	0	-12.84	-12.84
Inverter Transformer	S_14A_4_T	368690	4907317	2	0	0	77.3	77.3	1	1542	3.25	0	74.76	0	-2.22	0	0	0.98	0	0	0	0	0	0	3.82	3.82
Hut5Transformer	W_H5T	369876	4906582.7	2	0	0	77.8	77.8	1	1657.1	3.25	0	75.39	0	0.45	0	0	3.77	0	0	0	0	0	0	-1.83	-1.83
Hut7Transformer	W_H7T	369723.6	4906582.7	2	0	0	77.8	77.8	1	1668.6	3.25	0	75.45	0	0.46	0	0	3.79	0	0	0	0	0	0	-1.92	-1.92
Inverter Transformer	S_14A_7_T	368515	4907479	2	0	0	77.3	77.3	1	1602.7	3.25	0	75.1	0	-2.25	0	0	1.01	0	0	0	0	0	0	3.49	3.49
Hut8Transformer	W_H8T	369577.1	4906582.7	2	0	0	77.8	77.8	1	1692.7	3.25	0	75.57	0	0.46	0	0	3.83	0	0	0	0	0	0	-2.09	-2.09
Inverter Transformer	S_25B_5_T	369010	4909595	2	0	0	77.3	77.3	1	1636.4	3.25	0	75.28	0	-2.26	0	0	1.02	0	0	0	0	0	0	3.3	3.3
Inverter Transformer	S_14A_11_T	368331	4907840	2	0	0	77.3	77.3	1	1644.2	3.25	0	75.32	0	-2.27	0	0	1.03	0	0	0	0	0	0	3.26	3.26
Hut4Transformer	W_H4T	369418.6	4906582.7	2	0	0	77.8	77.8	1	1732.3	3.25	0	75.77	0	0.47	0	0	3.9	0	0	0	0	0	0	-2.37	-2.37
Inverter Transformer	S_14A_5_T	368661	4907147	2	0	0	77.3	77.3	1	1671.1	3.25	0	75.46	0	-2.28	0	0	1.04	0	0	0	0	0	0	3.12	3.12
Inverter Transformer	S_14A_12_T	368338	4907668	2	0	0	77.3	77.3	1	1687.5	3.25	0	75.55	0	-2.28	0	0	1.05	0	0	0	0	0	0	3.03	3.03
Inverter Transformer	S_25A_4_T	369224	4909793	2	0	0	77.3	77.3	1	1705.2	3.25	0	75.64	0	-2.29	0	0	1.06	0	0	0	0	0	0	2.94	2.94
Hut6Transformer	W_H6T	369770.5	4906421.7	2	0	0	77.8	77.8	1	1823.9	3.25	0	76.22	0	0.5	0	0	4.06	0	0	0	0	0	0	-3.01	-3.01
Inverter Transformer	S_14A_13_T	368346	4907479	2	0	0	77.3	77.3	1	1753.3	3.25	0	75.88	0	-2.31	0	0	1.08	0	0	0	0	0	0	2.69	2.69
Inverter Transformer	S_14A_6_T	368489	4907209	2	0	0	77.3	77.3	1	1768	3.25	0	75.95	0	-2.32	0	0	1.09	0	0	0	0	0	0	2.62	2.62
Inverter Transformer	S_14A_10_T	368157	4907974	2	0	0	77.3	77.3	1	1788.7	3.25	0	76.05	0	-2.33	0	0	1.1	0	0	0	0	0	0	2.51	2.51
Inverter Transformer	S_14B_1_T	368163	4907839	2	0	0	77.3	77.3	1	1807.8	3.25	0	76.14	0	-2.33	0	0	1.11	0	0	0	0	0	0	2.42	2.42
Inverter Transformer	S_25B_4_T	369002	4909793	2	0	0	77.3	77.3	1	1808	3.25	0	76.14	0	-2.33	0	0	1.11	0	0	0	0	0	0	2.42	2.42
Inverter Transformer	S_14A_14_T	368352	4907344	2	0	0	77.3	77.3	1	1810.7	3.25	0	76.16	0	-2.33	0	0	1.11	0	0	0	0	0	0	2.41	2.41
Inverters	G_Inv2	366676.9	4903239.1	2	0	0	87.7	87.7	1	5962.9	3.25	0	86.51	0	2.92	0	0	6.94	0	0	0	0	0	0	-8.7	-8.7
Hut10Transformer	W_H10T	369623.8	4906338.7	2	0	0	77.8	77.8	1	1924.2	3.25	0	76.68	0	0.52	0	0	4.24	0	0	0	0	0	0	-3.67	-3.67
Hut9Transformer	W_H9T	369383.4	4906392.4	2	0	0	77.8	77.8	1	1924.7	3.25	0	76.69	0	0.53	0	0	4.24	0	0	0	0	0	0	-3.67	-3.67
Inverters	G_Inv4	366732.8	4903105	2	0	0	87.7	87.7	1	6046	3.25	0	86.63	0	2.92	0	0	7.03	0	0	0	0	0	0	-8.91	-8.91
Inverters	G_Inv1	366526.4	4903225.8	2	0	0	87.7	87.7	1	6057.2	3.25	0	86.65	0	2.92	0	0	7.04	0	0	0	0	0	0	-8.94	-8.94
Inverter Transformer	S_14B_2_T	368170	4907668	2	0	0	77.3	77.3	1	1846.5	3.25	0	76.33	0	-2.35	0	0	1.13	0	0	0	0	0	0	2.23	2.23
Inverters	G_Inv6	366788.5	4902972	2	0	0	87.7	87.7	1	6130.7	3.25	0	86.75	0	2.92	0	0	7.11	0	0	0	0	0	0	-9.12	-9.12

Inverters	G_Inv3	366583.7	4903091.4	2	0	0	87.7	87.7	1	6137.5	3.25	0	86.76	0	2.92	0	0	7.12	0	0	0	0	0	0	-9.14	-9.14
Inverter Transformer	S_25A_3_T	369216	4909991	2	0	0	77.3	77.3	1	1890.4	3.25	0	76.53	0	-2.36	0	0	1.15	0	0	0	0	0	0	2.02	2.02
Inverters	G_Inv8	366844.5	4902838.5	2	0	0	87.7	87.7	1	6217.8	3.25	0	86.87	0	2.93	0	0	7.2	0	0	0	0	0	0	-9.34	-9.34
Inverters	G_Inv5	366638.5	4902958.1	2	0	0	87.7	87.7	1	6220.6	3.25	0	86.88	0	2.93	0	0	7.2	0	0	0	0	0	0	-9.35	-9.35
Inverter Transformer	S_14B_3_T	368179	4907470	2	0	0	77.3	77.3	1	1908.8	3.25	0	76.62	0	-2.37	0	0	1.16	0	0	0	0	0	0	1.94	1.94
Inverters	G_Inv7	366694.6	4902824.7	2	0	0	87.7	87.7	1	6305.3	3.25	0	86.99	0	2.93	0	0	7.29	0	0	0	0	0	0	-9.55	-9.55
Inverters	G_Inv10	366900.7	4902704.8	2	0	0	87.7	87.7	1	6307.1	3.25	0	87	0	2.93	0	0	7.29	0	0	0	0	0	0	-9.56	-9.56
Inverter Transformer	S_25A_2_T	369023	4910180	2	0	0	78.2	78.2	1	2140.8	3.25	0	77.61	0	-2.45	0	0	1.27	0	0	0	0	0	0	1.81	1.81
Inverters	G_Inv9	366750.9	4902691.8	2	0	0	87.7	87.7	1	6391.6	3.25	0	87.11	0	2.93	0	0	7.38	0	0	0	0	0	0	-9.76	-9.76
Hut1Transformer	W_H1T	369688.2	4906177.7	2	0	0	77.8	77.8	1	2075	3.25	0	77.34	0	0.57	0	0	4.49	0	0	0	0	0	0	-4.62	-4.62
Inverter Transformer	S_25B_3_T	368994	4909991	2	0	0	77.3	77.3	1	1984.5	3.25	0	76.95	0	-2.4	0	0	1.2	0	0	0	0	0	0	1.59	1.59
Hut2Transformer	W_H2T	369506.4	4906177.7	2	0	0	77.8	77.8	1	2103.6	3.25	0	77.46	0	0.57	0	0	4.54	0	0	0	0	0	0	-4.8	-4.8
Inverter Transformer	S_14B_6_T	367937	4907930	2	0	0	77.3	77.3	1	2012.9	3.25	0	77.08	0	-2.41	0	0	1.21	0	0	0	0	0	0	1.46	1.46
Inverter Transformer	S_14B_5_T	367945	4907759	2	0	0	77.3	77.3	1	2038.3	3.25	0	77.19	0	-2.42	0	0	1.22	0	0	0	0	0	0	1.35	1.35
Hut3Transformer	W_H3T	369324.7	4906177.7	2	0	0	77.8	77.8	1	2147.2	3.25	0	77.64	0	0.59	0	0	4.61	0	0	0	0	0	0	-5.06	-5.06
Inverter Transformer	S_14B_4_T	367952	4907579	2	0	0	77.3	77.3	1	2081.4	3.25	0	77.37	0	-2.43	0	0	1.25	0	0	0	0	0	0	1.16	1.16
Inverter Transformer	S_25B_1_T	368980	4910359	2	0	0	78.2	78.2	1	2321.5	3.25	0	78.32	0	-2.51	0	0	1.36	0	0	0	0	0	0	1.08	1.08
Inverter Transformer	S_25B_2_T	368987	4910180	2	0	0	77.3	77.3	1	2156.2	3.25	0	77.67	0	-2.46	0	0	1.28	0	0	0	0	0	0	0.85	0.85
Inverter Transformer	S_25A_1_T	369086	4910370	2	0	0	77.3	77.3	1	2290.6	3.25	0	78.2	0	-2.5	0	0	1.34	0	0	0	0	0	0	0.3	0.3
Inverter Transformer	S_14C_1_T	367752	4907417	2	0	0	77.3	77.3	1	2324.2	3.25	0	78.33	0	-2.52	0	0	1.36	0	0	0	0	0	0	0.17	0.17
Inverter Transformer	S_14C_2_T	367674	4907587	2	0	0	77.3	77.3	1	2344.5	3.25	0	78.4	0	-2.52	0	0	1.37	0	0	0	0	0	0	0.09	0.09
Inverter Transformer	S_19_5_T	365796	4906394	2	0	0	78.2	78.2	1	4523.4	3.25	0	84.11	0	-3.08	0	0	2.25	0	0	0	0	0	0	-5.04	-5.04
Inverter Transformer	S_19_2_T	365975	4906655	2	0	0	77.3	77.3	1	4256.7	3.25	0	83.58	0	-3.02	0	0	2.15	0	0	0	0	0	0	-5.37	-5.37
Inverter Transformer	S_19_1_T	365844	4906817	2	0	0	77.3	77.3	1	4322.6	3.25	0	83.71	0	-3.04	0	0	2.17	0	0	0	0	0	0	-5.51	-5.51
Inverter Transformer	S_19_3_T	365816	4906637	2	0	0	77.3	77.3	1	4411.2	3.25	0	83.89	0	-3.05	0	0	2.21	0	0	0	0	0	0	-5.7	-5.7
Inverter Transformer	S_20_1_T	365589	4906625	2	0	0	77.3	77.3	1	4627.6	3.25	0	84.31	0	-3.1	0	0	2.28	0	0	0	0	0	0	-6.15	-6.15
Inverter Transformer	S_21_5_T	364925	4905785	2	0	0	78.2	78.2	1	5570.7	3.25	0	85.92	0	-3.29	0	0	2.6	0	0	0	0	0	0	-6.99	-6.99
Inverter Transformer	S_21_1_T	364681	4906355	2	0	0	78.2	78.2	1	5573.1	3.25	0	85.92	0	-3.29	0	0	2.6	0	0	0	0	0	0	-7	-7
Inverter Transformer	S_22_2_T	364777	4905647	2	0	0	78.2	78.2	1	5764.6	3.25	0	86.22	0	-3.32	0	0	2.67	0	0	0	0	0	0	-7.32	-7.32
Inverter Transformer	S_23_5_T	364730	4905244	2	0	0	78.2	78.2	1	5997.4	3.25	0	86.56	0	-3.37	0	0	2.74	0	0	0	0	0	0	-7.69	-7.69
Inverter Transformer	S_21_3_T	364764	4906066	2	0	0	77.3	77.3	1	5600.7	3.25	0	85.96	0	-3.29	0	0	2.61	0	0	0	0	0	0	-7.94	-7.94
Inverter Transformer	S_21_4_T	364826	4905922	2	0	0	77.3	77.3	1	5601.7	3.25	0	85.97	0	-3.29	0	0	2.61	0	0	0	0	0	0	-7.94	-7.94
Inverter Transformer	S_21_2_T	364722	4906166	2	0	0	77.3	77.3	1	5601.7	3.25	0	85.97	0	-3.29	0	0	2.61	0	0	0	0	0	0	-7.94	-7.94
Inverter Transformer	S_21_6_T	365003	4905559	2	0	0	77.3	77.3	1	5605.2	3.25	0	85.97	0	-3.3	0	0	2.61	0	0	0	0	0	0	-7.95	-7.95
Inverter Transformer	S_24_1_T	365318	4904994	2	0	0	77.3	77.3	1	5635.9	3.25	0	86.02	0	-3.3	0	0	2.62	0	0	0	0	0	0	-8	-8
Inverter Transformer	S_21_7_T	365040	4905378	2	0	0	77.3	77.3	1	5662	3.25	0	86.06	0	-3.31	0	0	2.63	0	0	0	0	0	0	-8.05	-8.05
Inverter Transformer	S_24_2_T	365163	4905045	2	0	0	77.3	77.3	1	5734.8	3.25	0	86.17	0	-3.32	0	0	2.66	0	0	0	0	0	0	-8.17	-8.17
Inverter Transformer	S_22_1_T	364673	4905894	2	0	0	77.3	77.3	1	5752.7	3.25	0	86.2	0	-3.32	0	0	2.66	0	0	0	0	0	0	-8.2	-8.2
Inverter Transformer	S_23_1_T	364443	4906039	2	0	0	77.3	77.3	1	5907.9	3.25	0	86.43	0	-3.35	0	0	2.71	0	0	0	0	0	0	-8.45	-8.45
Inverter Transformer	S_23_2_T	364476	4905840	2	0	0	77.3	77.3	1	5954.6	3.25	0	86.5	0	-3.36	0	0	2.73	0	0	0	0	0	0	-8.52	-8.52
Inverter Transformer	S_23_3_T	364561	4905641	2	0	0	77.3	77.3	1	5960.9	3.25	0	86.51	0	-3.36	0	0	2.73	0	0	0	0	0	0	-8.53	-8.53
Inverter Transformer	S_23_4_T	364657	4905414	2	0	0	77.3	77.3	1	5978.5	3.25	0	86.53	0	-3.36	0	0	2.73	0	0	0	0	0	0	-8.56	-8.56
mit. Value D/N:	0	0																								
Level D/N:	38.0064	38.0064																								

Receiver: Vacant Lot Receptor
ID: S-VLR16
X: 368417
Y: 4908173
Z: 4.5
Ground: 0

Octave Spectra for most impacted Point of Reception: VLR16

ISO	Description	ID	X	Y	Z	Ground	ReflOrd	LxT	LxN	L/A	Dist.	hm	Freq	Adiv	K0b	Agr	Abar	z	Aatm	Afol	Ahous	Cmet	CmetN	Dc	RL	LtotT	LtotN
	Inverters	S_14B_1_I	368168	4907839	2	0	0	59.8	59.8	1	416.6	3.25	32	63.39	0	-4.6	0	0	0.01	0	0	0	0	0	0	0.96	0.96
	Inverters	S_14B_1_I	368168	4907839	2	0	0	65.9	65.9	1	416.6	3.25	63	63.39	0	-4.6	0	0	0.05	0	0	0	0	0	0	7.05	7.05
	Inverters	S_14B_1_I	368168	4907839	2	0	0	73.6	73.6	1	416.6	3.25	125	63.39	0	2.69	0	0	0.17	0	0	0	0	0	0	7.37	7.37
	Inverters	S_14B_1_I	368168	4907839	2	0	0	82.6	82.6	1	416.6	3.25	250	63.39	0	3.79	0	0	0.43	0	0	0	0	0	0	15.02	15.02
	Inverters	S_14B_1_I	368168	4907839	2	0	0	88.1	88.1	1	416.6	3.25	500	63.39	0	0.18	0	0	0.8	0	0	0	0	0	0	23.74	23.74
	Inverters	S_14B_1_I	368168	4907839	2	0	0	85.7	85.7	1	416.6	3.25	1000	63.39	0	-1.28	0	0	1.52	0	0	0	0	0	0	22.1	22.1
	Inverters	S_14B_1_I	368168	4907839	2	0	0	90.6	90.6	1	416.6	3.25	2000	63.39	0	-1.38	0	0	4.03	0	0	0	0	0	0	24.58	24.58
	Inverters	S_14B_1_I	368168	4907839	2	0	0	99	99	1	416.6	3.25	4000	63.39	0	-1.38	0	0	13.65	0	0	0	0	0	0	23.3	23.3
	Inverters	S_14B_1_I	368168	4907839	2	0	0	86.3	86.3	1	416.6	3.25	8000	63.39	0	-1.38	0	0	48.69	0	0	0	0	0	0	-24.45	-24.45
	Inverters	S_14A_8_I	368510	4907704	2	0	0	59.8	59.8	1	478.1	3.25	32	64.59	0	-4.78	0	0	0.02	0	0	0	0	0	0	-0.05	-0.05
	Inverters	S_14A_8_I	368510	4907704	2	0	0	65.9	65.9	1	478.1	3.25	63	64.59	0	-4.78	0	0	0.06	0	0	0	0	0	0	6.03	6.03
	Inverters	S_14A_8_I	368510	4907704	2	0	0	73.6	73.6	1	478.1	3.25	125	64.59	0	2.94	0	0	0.2	0	0	0	0	0	0	5.91	5.91
	Inverters	S_14A_8_I	368510	4907704	2	0	0	82.6	82.6	1	478.1	3.25	250	64.59	0	3.74	0	0	0.5	0	0	0	0	0	0	13.81	13.81
	Inverters	S_14A_8_I	368510	4907704	2	0	0	88.1	88.1	1	478.1	3.25	500	64.59	0	0.12	0	0	0.92	0	0	0	0	0	0	22.48	22.48
	Inverters	S_14A_8_I	368510	4907704	2	0	0	85.7	85.7	1	478.1	3.25	1000	64.59	0	-1.34	0	0	1.75	0	0	0	0	0	0	20.73	20.73
	Inverters	S_14A_8_I	368510	4907704	2	0	0	90.6	90.6	1	478.1	3.25	2000	64.59	0	-1.43	0	0	4.62	0	0	0	0	0	0	22.85	22.85
	Inverters	S_14A_8_I	368510	4907704	2	0	0	99	99	1	478.1	3.25	4000	64.59	0	-1.43	0	0	15.67	0	0	0	0	0	0	20.14	20.14
	Inverters	S_14A_8_I	368510	4907704	2	0	0	86.3	86.3	1	478.1	3.25	8000	64.59	0	-1.43	0	0	55.89	0	0	0	0	0	0	-32.78	-32.78
	Inverters	S_14A_12_I	368343	4907668	2	0	0	59.8	59.8	1	510.4	3.25	32	65.16	0	-4.85	0	0	0.02	0	0	0	0	0	0	-0.54	-0.54
	Inverters	S_14A_12_I	368343	4907668	2	0	0	65.9	65.9	1	510.4	3.25	63	65.16	0	-4.85	0	0	0.06	0	0	0	0	0	0	5.54	5.54
	Inverters	S_14A_12_I	368343	4907668	2	0	0	73.6	73.6	1	510.4	3.25	125	65.16	0	3.07	0	0	0.21	0	0	0	0	0	0	5.19	5.19
	Inverters	S_14A_12_I	368343	4907668	2	0	0	82.6	82.6	1	510.4	3.25	250	65.16	0	3.72	0	0	0.53	0	0	0	0	0	0	13.23	13.23
	Inverters	S_14A_12_I	368343	4907668	2	0	0	88.1	88.1	1	510.4	3.25	500	65.16	0	0.1	0	0	0.98	0	0	0	0	0	0	21.88	21.88
	Inverters	S_14A_12_I	368343	4907668	2	0	0	85.7	85.7	1	510.4	3.25	1000	65.16	0	-1.36	0	0	1.87	0	0	0	0	0	0	20.07	20.07
	Inverters	S_14A_12_I	368343	4907668	2	0	0	90.6	90.6	1	510.4	3.25	2000	65.16	0	-1.46	0	0	4.93	0	0	0	0	0	0	21.99	21.99
	Inverters	S_14A_12_I	368343	4907668	2	0	0	99	99	1	510.4	3.25	4000	65.16	0	-1.46	0	0	16.73	0	0	0	0	0	0	18.54	18.54
	Inverters	S_14A_12_I	368343	4907668	2	0	0	86.3	86.3	1	510.4	3.25	8000	65.16	0	-1.46	0	0	59.66	0	0	0	0	0	0	-37.09	-37.09
	Inverters	S_14B_6_I	367942	4907930	2	0	0	59.8	59.8	1	533.6	3.25	32	65.54	0	-4.9	0	0	0.02	0	0	0	0	0	0	-0.88	-0.88
	Inverters	S_14B_6_I	367942	4907930	2	0	0	65.9	65.9	1	533.6	3.25	63	65.54	0	-4.9	0	0	0.06	0	0	0	0	0	0	5.2	5.2
	Inverters	S_14B_6_I	367942	4907930	2	0	0	73.6	73.6	1	533.6	3.25	125	65.54	0	3.16	0	0	0.22	0	0	0	0	0	0	4.71	4.71
	Inverters	S_14B_6_I	367942	4907930	2	0	0	82.6	82.6	1	533.6	3.25	250	65.54	0	3.7	0	0	0.56	0	0	0	0	0	0	12.84	12.84
	Inverters	S_14B_6_I	367942	4907930	2	0	0	88.1	88.1	1	533.6	3.25	500	65.54	0	0.09	0	0	1.03	0	0	0	0	0	0	21.46	21.46
	Inverters	S_14B_6_I	367942	4907930	2	0	0	85.7	85.7	1	533.6	3.25	1000	65.54	0	-1.38	0	0	1.95	0	0	0	0	0	0	19.62	19.62
	Inverters	S_14B_6_I	367942	4907930	2	0	0	90.6	90.6	1	533.6	3.25	2000	65.54	0	-1.47	0	0	5.16	0	0	0	0	0	0	21.4	21.4
	Inverters	S_14B_6_I	367942	4907930	2	0	0	99	99	1	533.6	3.25	4000	65.54	0	-1.47	0	0	17.48	0	0	0	0	0	0	17.41	17.41
	Inverters	S_14B_6_I	367942	4907930	2	0	0	86.3	86.3	1	533.6	3.25	8000	65.54	0	-1.47	0	0	62.36	0	0	0	0	0	0	-40.17	-40.17
	Inverters	S_14B_2_I	368175	4907668	2	0	0	59.8	59.8	1	560	3.25	32	65.96	0	-4.96	0	0	0.02	0	0	0	0	0	0	-1.25	-1.25
	Inverters	S_14B_2_I	368175	4907668	2	0	0	65.9	65.9	1	560	3.25	63	65.96	0	-4.96	0	0	0.07	0	0	0	0	0	0	4.83	4.83
	Inverters	S_14B_2_I	368175	4907668	2	0	0	73.6	73.6	1	560	3.25	125	65.96	0	3.27	0	0	0.23	0	0	0	0	0	0	4.17	4.17
	Inverters	S_14B_2_I	368175	4907668	2	0	0	82.6	82.6	1	560	3.25	250	65.96	0	3.69	0	0	0.58	0	0	0	0	0	0	12.41	12.41
	Inverters	S_14B_2_I	368175	4907668	2	0	0	88.1	88.1	1	560	3.25	500	65.96	0	0.07	0	0	1.08	0	0	0	0	0	0	21.01	21.01
	Inverters	S_14B_2_I	368175	4907668	2	0	0	85.7	85.7	1	560	3.25	1000	65.96	0	-1.39	0	0	2.05	0	0	0	0	0	0	19.12	19.12
	Inverters	S_14B_2_I	368175	4907668	2	0	0	90.6	90.6	1	560	3.25	2000	65.96	0	-1.49	0	0	5.41	0	0	0	0	0	0	20.74	20.74
	Inverters	S_14B_2_I	368175	4907668	2	0	0	99	99	1	560	3.25	4000	65.96	0	-1.49	0	0	18.35	0	0	0	0	0	0	16.14	16.14
	Inverters	S_14B_2_I	368175	4907668	2	0	0	86.3	86.3	1	560	3.25	8000	65.96	0	-1.49	0	0	65.45	0	0	0	0	0	0	-43.67	-43.67
	Inverters	S_14B_5_I	367950	4907759	2	0	0	59.8	59.8	1	624.1	3.25	32	66.9	0	-5.06	0	0	0.02	0	0	0	0	0	0	-2.09	-2.09
	Inverters	S_14B_5_I	367950	4907759	2	0	0	65.9	65.9	1	624.1	3.25	63	66.9	0	-5.06	0	0	0.08	0	0	0	0	0	0	3.98	3.98

Inverters	S_14B_5_I	367950	4907759	2	0	0	73.6	73.6	1	624.1	3.25	125	66.9	0	3.51	0	0	0.26	0	0	0	0	0	0	2.96	2.96
Inverters	S_14B_5_I	367950	4907759	2	0	0	82.6	82.6	1	624.1	3.25	250	66.9	0	3.65	0	0	0.65	0	0	0	0	0	0	11.43	11.43
Inverters	S_14B_5_I	367950	4907759	2	0	0	88.1	88.1	1	624.1	3.25	500	66.9	0	0.04	0	0	1.2	0	0	0	0	0	0	19.97	19.97
Inverters	S_14B_5_I	367950	4907759	2	0	0	85.7	85.7	1	624.1	3.25	1000	66.9	0	-1.42	0	0	2.28	0	0	0	0	0	0	17.97	17.97
Inverters	S_14B_5_I	367950	4907759	2	0	0	90.6	90.6	1	624.1	3.25	2000	66.9	0	-1.52	0	0	6.03	0	0	0	0	0	0	19.21	19.21
Inverters	S_14B_5_I	367950	4907759	2	0	0	99	99	1	624.1	3.25	4000	66.9	0	-1.52	0	0	20.45	0	0	0	0	0	0	13.13	13.13
Inverters	S_14B_5_I	367950	4907759	2	0	0	86.3	86.3	1	624.1	3.25	8000	66.9	0	-1.52	0	0	72.95	0	0	0	0	0	0	-52.07	-52.07
Inverters	S_14A_13_I	368351	4907479	2	0	0	59.8	59.8	1	697.1	3.25	32	67.87	0	-5.16	0	0	0.02	0	0	0	0	0	0	-2.95	-2.95
Inverters	S_14A_13_I	368351	4907479	2	0	0	65.9	65.9	1	697.1	3.25	63	67.87	0	-5.16	0	0	0.08	0	0	0	0	0	0	3.11	3.11
Inverters	S_14A_13_I	368351	4907479	2	0	0	73.6	73.6	1	697.1	3.25	125	67.87	0	3.75	0	0	0.29	0	0	0	0	0	0	1.73	1.73
Inverters	S_14A_13_I	368351	4907479	2	0	0	82.6	82.6	1	697.1	3.25	250	67.87	0	3.62	0	0	0.73	0	0	0	0	0	0	10.42	10.42
Inverters	S_14A_13_I	368351	4907479	2	0	0	88.1	88.1	1	697.1	3.25	500	67.87	0	0.01	0	0	1.34	0	0	0	0	0	0	18.9	18.9
Inverters	S_14A_13_I	368351	4907479	2	0	0	85.7	85.7	1	697.1	3.25	1000	67.87	0	-1.45	0	0	2.55	0	0	0	0	0	0	16.77	16.77
Inverters	S_14A_13_I	368351	4907479	2	0	0	90.6	90.6	1	697.1	3.25	2000	67.87	0	-1.55	0	0	6.74	0	0	0	0	0	0	17.57	17.57
Inverters	S_14A_13_I	368351	4907479	2	0	0	99	99	1	697.1	3.25	4000	67.87	0	-1.55	0	0	22.85	0	0	0	0	0	0	9.8	9.8
Inverters	S_14A_13_I	368351	4907479	2	0	0	86.3	86.3	1	697.1	3.25	8000	67.87	0	-1.55	0	0	81.48	0	0	0	0	0	0	-61.54	-61.54
Inverters	S_14A_7_I	368520	4907479	2	0	0	59.8	59.8	1	701.6	3.25	32	67.92	0	-5.17	0	0	0.02	0	0	0	0	0	0	-3	-3
Inverters	S_14A_7_I	368520	4907479	2	0	0	65.9	65.9	1	701.6	3.25	63	67.92	0	-5.17	0	0	0.09	0	0	0	0	0	0	3.06	3.06
Inverters	S_14A_7_I	368520	4907479	2	0	0	73.6	73.6	1	701.6	3.25	125	67.92	0	3.77	0	0	0.29	0	0	0	0	0	0	1.66	1.66
Inverters	S_14A_7_I	368520	4907479	2	0	0	82.6	82.6	1	701.6	3.25	250	67.92	0	3.62	0	0	0.73	0	0	0	0	0	0	10.36	10.36
Inverters	S_14A_7_I	368520	4907479	2	0	0	88.1	88.1	1	701.6	3.25	500	67.92	0	0.01	0	0	1.35	0	0	0	0	0	0	18.84	18.84
Inverters	S_14A_7_I	368520	4907479	2	0	0	85.7	85.7	1	701.6	3.25	1000	67.92	0	-1.45	0	0	2.57	0	0	0	0	0	0	16.7	16.7
Inverters	S_14A_7_I	368520	4907479	2	0	0	90.6	90.6	1	701.6	3.25	2000	67.92	0	-1.55	0	0	6.78	0	0	0	0	0	0	17.47	17.47
Inverters	S_14A_7_I	368520	4907479	2	0	0	99	99	1	701.6	3.25	4000	67.92	0	-1.55	0	0	22.99	0	0	0	0	0	0	9.6	9.6
Inverters	S_14A_7_I	368520	4907479	2	0	0	86.3	86.3	1	701.6	3.25	8000	67.92	0	-1.55	0	0	82.01	0	0	0	0	0	0	-62.11	-62.11
Inverters	S_14A_3_I	368687	4907506	2	0	0	59.8	59.8	1	719.6	3.25	32	68.14	0	-5.19	0	0	0.02	0	0	0	0	0	0	-3.2	-3.2
Inverters	S_14A_3_I	368687	4907506	2	0	0	65.9	65.9	1	719.6	3.25	63	68.14	0	-5.19	0	0	0.09	0	0	0	0	0	0	2.86	2.86
Inverters	S_14A_3_I	368687	4907506	2	0	0	73.6	73.6	1	719.6	3.25	125	68.14	0	3.82	0	0	0.3	0	0	0	0	0	0	1.38	1.38
Inverters	S_14A_3_I	368687	4907506	2	0	0	82.6	82.6	1	719.6	3.25	250	68.14	0	3.62	0	0	0.75	0	0	0	0	0	0	10.13	10.13
Inverters	S_14A_3_I	368687	4907506	2	0	0	88.1	88.1	1	719.6	3.25	500	68.14	0	0	0	0	1.39	0	0	0	0	0	0	18.59	18.59
Inverters	S_14A_3_I	368687	4907506	2	0	0	85.7	85.7	1	719.6	3.25	1000	68.14	0	-1.46	0	0	2.63	0	0	0	0	0	0	16.42	16.42
Inverters	S_14A_3_I	368687	4907506	2	0	0	90.6	90.6	1	719.6	3.25	2000	68.14	0	-1.56	0	0	6.95	0	0	0	0	0	0	17.09	17.09
Inverters	S_14A_3_I	368687	4907506	2	0	0	99	99	1	719.6	3.25	4000	68.14	0	-1.56	0	0	23.58	0	0	0	0	0	0	8.8	8.8
Inverters	S_14A_3_I	368687	4907506	2	0	0	86.3	86.3	1	719.6	3.25	8000	68.14	0	-1.56	0	0	84.11	0	0	0	0	0	0	-64.43	-64.43
Inverters	S_14B_3_I	368184	4907470	2	0	0	59.8	59.8	1	740.6	3.25	32	68.39	0	-5.21	0	0	0.02	0	0	0	0	0	0	-3.43	-3.43
Inverters	S_14B_3_I	368184	4907470	2	0	0	65.9	65.9	1	740.6	3.25	63	68.39	0	-5.21	0	0	0.09	0	0	0	0	0	0	2.63	2.63
Inverters	S_14B_3_I	368184	4907470	2	0	0	73.6	73.6	1	740.6	3.25	125	68.39	0	3.88	0	0	0.3	0	0	0	0	0	0	1.06	1.06
Inverters	S_14B_3_I	368184	4907470	2	0	0	82.6	82.6	1	740.6	3.25	250	68.39	0	3.61	0	0	0.77	0	0	0	0	0	0	9.87	9.87
Inverters	S_14B_3_I	368184	4907470	2	0	0	88.1	88.1	1	740.6	3.25	500	68.39	0	-0.01	0	0	1.43	0	0	0	0	0	0	18.31	18.31
Inverters	S_14B_3_I	368184	4907470	2	0	0	85.7	85.7	1	740.6	3.25	1000	68.39	0	-1.47	0	0	2.71	0	0	0	0	0	0	16.1	16.1
Inverters	S_14B_3_I	368184	4907470	2	0	0	90.6	90.6	1	740.6	3.25	2000	68.39	0	-1.56	0	0	7.16	0	0	0	0	0	0	16.64	16.64
Inverters	S_14B_3_I	368184	4907470	2	0	0	99	99	1	740.6	3.25	4000	68.39	0	-1.56	0	0	24.27	0	0	0	0	0	0	7.87	7.87
Inverters	S_14B_3_I	368184	4907470	2	0	0	86.3	86.3	1	740.6	3.25	8000	68.39	0	-1.56	0	0	86.56	0	0	0	0	0	0	-67.13	-67.13
Inverters	S_14B_4_I	367957	4907579	2	0	0	59.8	59.8	1	751.3	3.25	32	68.52	0	-5.22	0	0	0.02	0	0	0	0	0	0	-3.54	-3.54
Inverters	S_14B_4_I	367957	4907579	2	0	0	65.9	65.9	1	751.3	3.25	63	68.52	0	-5.22	0	0	0.09	0	0	0	0	0	0	2.52	2.52
Inverters	S_14B_4_I	367957	4907579	2	0	0	73.6	73.6	1	751.3	3.25	125	68.52	0	3.91	0	0	0.31	0	0	0	0	0	0	0.9	0.9
Inverters	S_14B_4_I	367957	4907579	2	0	0	82.6	82.6	1	751.3	3.25	250	68.52	0	3.61	0	0	0.78	0	0	0	0	0	0	9.73	9.73
Inverters	S_14B_4_I	367957	4907579	2	0	0	88.1	88.1	1	751.3	3.25	500	68.52	0	-0.01	0	0	1.45	0	0	0	0	0	0	18.16	18.16
Inverters	S_14B_4_I	367957	4907579	2	0	0	85.7	85.7	1	751.3	3.25	1000	68.52	0	-1.47	0	0	2.75	0	0	0	0	0	0	15.94	15.94
Inverters	S_14B_4_I	367957	4907579	2	0	0	90.6	90.6	1	751.3	3.25	2000	68.52	0	-1.57	0	0	7.26	0	0	0	0	0	0	16.42	16.42
Inverters	S_14B_4_I	367957	4907579	2	0	0	99	99	1	751.3	3.25	4000	68.52	0	-1.57	0	0	24.62	0	0	0	0	0	0	7.39	7.39
Inverters	S_14B_4_I	367957	4907579	2	0	0	86.3	86.3	1	751.3	3.25	8000	68.52	0	-1.57	0	0	87.81	0	0	0	0	0	0	-68.5	-68.5
Inverters	S_14A_14_I	368357	4907344	2	0	0	59.8	59.8	1	831.2	3.25	32	69.39	0	-5.3	0	0	0.03	0	0	0	0	0	0	-4.35	-4.35
Inverters	S_14A_14_I	368357	4907344	2	0	0	65.9	65.9	1	831.2	3.25	63	69.39	0	-5.3	0	0	0.1	0	0	0	0	0	0	1.7	1.7
Inverters	S_14A_14_I	368357	4907344	2	0	0	73.6	73.6	1	831.2	3.25	125	69.39	0	4.1	0	0	0.34	0	0	0	0	0	0	-0.2	-0.2

Inverters	S_14A_14_I	368357	4907344	2	0	0	82.6	82.6	1	831.2	3.25	250	69.39	0	3.58	0	0	0.87	0	0	0	0	0	0	8.8	8.8
Inverters	S_14A_14_I	368357	4907344	2	0	0	88.1	88.1	1	831.2	3.25	500	69.39	0	-0.03	0	0	1.6	0	0	0	0	0	0	17.16	17.16
Inverters	S_14A_14_I	368357	4907344	2	0	0	85.7	85.7	1	831.2	3.25	1000	69.39	0	-1.49	0	0	3.04	0	0	0	0	0	0	14.8	14.8
Inverters	S_14A_14_I	368357	4907344	2	0	0	90.6	90.6	1	831.2	3.25	2000	69.39	0	-1.59	0	0	8.03	0	0	0	0	0	0	14.79	14.79
Inverters	S_14A_14_I	368357	4907344	2	0	0	99	99	1	831.2	3.25	4000	69.39	0	-1.59	0	0	27.24	0	0	0	0	0	0	3.92	3.92
Inverters	S_14A_14_I	368357	4907344	2	0	0	86.3	86.3	1	831.2	3.25	8000	69.39	0	-1.59	0	0	97.15	0	0	0	0	0	0	-78.69	-78.69
Inverters	S_25B_9_I	369037	4908803	2	0	0	59.8	59.8	1	883.9	3.25	32	69.93	0	-5.34	0	0	0.03	0	0	0	0	0	0	-4.84	-4.84
Inverters	S_25B_9_I	369037	4908803	2	0	0	65.9	65.9	1	883.9	3.25	63	69.93	0	-5.34	0	0	0.11	0	0	0	0	0	0	1.21	1.21
Inverters	S_25B_9_I	369037	4908803	2	0	0	73.6	73.6	1	883.9	3.25	125	69.93	0	4.19	0	0	0.36	0	0	0	0	0	0	-0.85	-0.85
Inverters	S_25B_9_I	369037	4908803	2	0	0	82.6	82.6	1	883.9	3.25	250	69.93	0	3.57	0	0	0.92	0	0	0	0	0	0	8.22	8.22
Inverters	S_25B_9_I	369037	4908803	2	0	0	88.1	88.1	1	883.9	3.25	500	69.93	0	-0.04	0	0	1.7	0	0	0	0	0	0	16.53	16.53
Inverters	S_25B_9_I	369037	4908803	2	0	0	85.7	85.7	1	883.9	3.25	1000	69.93	0	-1.51	0	0	3.23	0	0	0	0	0	0	14.08	14.08
Inverters	S_25B_9_I	369037	4908803	2	0	0	90.6	90.6	1	883.9	3.25	2000	69.93	0	-1.6	0	0	8.54	0	0	0	0	0	0	13.76	13.76
Inverters	S_25B_9_I	369037	4908803	2	0	0	99	99	1	883.9	3.25	4000	69.93	0	-1.6	0	0	28.97	0	0	0	0	0	0	1.67	1.67
Inverters	S_25B_9_I	369037	4908803	2	0	0	86.3	86.3	1	883.9	3.25	8000	69.93	0	-1.6	0	0	103.3	0	0	0	0	0	0	-85.38	-85.38
Inverters	S_14A_4_I	368695	4907317	2	0	0	59.8	59.8	1	900	3.25	32	70.08	0	-5.35	0	0	0.03	0	0	0	0	0	0	-4.99	-4.99
Inverters	S_14A_4_I	368695	4907317	2	0	0	65.9	65.9	1	900	3.25	63	70.08	0	-5.35	0	0	0.11	0	0	0	0	0	0	1.06	1.06
Inverters	S_14A_4_I	368695	4907317	2	0	0	73.6	73.6	1	900	3.25	125	70.08	0	4.22	0	0	0.37	0	0	0	0	0	0	-1.04	-1.04
Inverters	S_14A_4_I	368695	4907317	2	0	0	82.6	82.6	1	900	3.25	250	70.08	0	3.57	0	0	0.94	0	0	0	0	0	0	8.05	8.05
Inverters	S_14A_4_I	368695	4907317	2	0	0	88.1	88.1	1	900	3.25	500	70.08	0	-0.05	0	0	1.74	0	0	0	0	0	0	16.35	16.35
Inverters	S_14A_4_I	368695	4907317	2	0	0	85.7	85.7	1	900	3.25	1000	70.08	0	-1.51	0	0	3.29	0	0	0	0	0	0	13.87	13.87
Inverters	S_14A_4_I	368695	4907317	2	0	0	90.6	90.6	1	900	3.25	2000	70.08	0	-1.61	0	0	8.7	0	0	0	0	0	0	13.45	13.45
Inverters	S_14A_4_I	368695	4907317	2	0	0	99	99	1	900	3.25	4000	70.08	0	-1.61	0	0	29.49	0	0	0	0	0	0	0.99	0.99
Inverters	S_14A_4_I	368695	4907317	2	0	0	86.3	86.3	1	900	3.25	8000	70.08	0	-1.61	0	0	105.2	0	0	0	0	0	0	-87.41	-87.41
Inverters	S_14A_9_I	368501	4907930	2	0	0	69.6	69.6	1	257.1	3.25	125	59.2	0	2.2	0	0	0.11	0	0	0	0	0	0	8.13	8.13
Inverters	S_14A_9_I	368501	4907930	2	0	0	78.6	78.6	1	257.1	3.25	250	59.2	0	4.03	0	0	0.27	0	0	0	0	0	0	15.15	15.15
Inverters	S_14A_9_I	368501	4907930	2	0	0	82.1	82.1	1	257.1	3.25	500	59.2	0	0.43	0	0	0.5	0	0	0	0	0	0	21.99	21.99
Inverters	S_14A_9_I	368501	4907930	2	0	0	75.7	75.7	1	257.1	3.25	1000	59.2	0	-1.02	0	0	0.94	0	0	0	0	0	0	16.62	16.62
Inverters	S_14A_9_I	368501	4907930	2	0	0	73.6	73.6	1	257.1	3.25	2000	59.2	0	-1.12	0	0	2.48	0	0	0	0	0	0	13.06	13.06
Inverters	S_14A_9_I	368501	4907930	2	0	0	87	87	1	257.1	3.25	4000	59.2	0	-1.12	0	0	8.43	0	0	0	0	0	0	20.45	20.45
Inverters	S_14C_2_I	367669	4907587	2	0	0	59.8	59.8	1	950.2	3.25	32	70.56	0	-5.38	0	0	0.03	0	0	0	0	0	0	-5.43	-5.43
Inverters	S_14C_2_I	367669	4907587	2	0	0	65.9	65.9	1	950.2	3.25	63	70.56	0	-5.38	0	0	0.12	0	0	0	0	0	0	0.62	0.62
Inverters	S_14C_2_I	367669	4907587	2	0	0	73.6	73.6	1	950.2	3.25	125	70.56	0	4.29	0	0	0.39	0	0	0	0	0	0	-1.61	-1.61
Inverters	S_14C_2_I	367669	4907587	2	0	0	82.6	82.6	1	950.2	3.25	250	70.56	0	3.56	0	0	0.99	0	0	0	0	0	0	7.54	7.54
Inverters	S_14C_2_I	367669	4907587	2	0	0	88.1	88.1	1	950.2	3.25	500	70.56	0	-0.06	0	0	1.83	0	0	0	0	0	0	15.79	15.79
Inverters	S_14C_2_I	367669	4907587	2	0	0	85.7	85.7	1	950.2	3.25	1000	70.56	0	-1.52	0	0	3.48	0	0	0	0	0	0	13.22	13.22
Inverters	S_14C_2_I	367669	4907587	2	0	0	90.6	90.6	1	950.2	3.25	2000	70.56	0	-1.62	0	0	9.18	0	0	0	0	0	0	12.5	12.5
Inverters	S_14C_2_I	367669	4907587	2	0	0	99	99	1	950.2	3.25	4000	70.56	0	-1.62	0	0	31.14	0	0	0	0	0	0	-1.12	-1.12
Inverters	S_14C_2_I	367669	4907587	2	0	0	86.3	86.3	1	950.2	3.25	8000	70.56	0	-1.62	0	0	111.1	0	0	0	0	0	0	-93.74	-93.74
Inverters	S_14A_6_I	368484	4907209	2	0	0	59.8	59.8	1	966.3	3.25	32	70.7	0	-5.39	0	0	0.03	0	0	0	0	0	0	-5.56	-5.56
Inverters	S_14A_6_I	368484	4907209	2	0	0	65.9	65.9	1	966.3	3.25	63	70.7	0	-5.39	0	0	0.12	0	0	0	0	0	0	0.48	0.48
Inverters	S_14A_6_I	368484	4907209	2	0	0	73.6	73.6	1	966.3	3.25	125	70.7	0	4.31	0	0	0.4	0	0	0	0	0	0	-1.78	-1.78
Inverters	S_14A_6_I	368484	4907209	2	0	0	82.6	82.6	1	966.3	3.25	250	70.7	0	3.55	0	0	1.01	0	0	0	0	0	0	7.38	7.38
Inverters	S_14A_6_I	368484	4907209	2	0	0	88.1	88.1	1	966.3	3.25	500	70.7	0	-0.06	0	0	1.86	0	0	0	0	0	0	15.62	15.62
Inverters	S_14A_6_I	368484	4907209	2	0	0	85.7	85.7	1	966.3	3.25	1000	70.7	0	-1.52	0	0	3.53	0	0	0	0	0	0	13.02	13.02
Inverters	S_14A_6_I	368484	4907209	2	0	0	90.6	90.6	1	966.3	3.25	2000	70.7	0	-1.62	0	0	9.34	0	0	0	0	0	0	12.2	12.2
Inverters	S_14A_6_I	368484	4907209	2	0	0	99	99	1	966.3	3.25	4000	70.7	0	-1.62	0	0	31.67	0	0	0	0	0	0	-1.79	-1.79
Inverters	S_14A_6_I	368484	4907209	2	0	0	86.3	86.3	1	966.3	3.25	8000	70.7	0	-1.62	0	0	113	0	0	0	0	0	0	-95.77	-95.77
Inverters	S_14C_1_I	367747	4907417	2	0	0	59.8	59.8	1	1010	3.25	32	71.09	0	-5.42	0	0	0.03	0	0	0	0	0	0	-5.92	-5.92
Inverters	S_14C_1_I	367747	4907417	2	0	0	65.9	65.9	1	1010	3.25	63	71.09	0	-5.42	0	0	0.12	0	0	0	0	0	0	0.11	0.11
Inverters	S_14C_1_I	367747	4907417	2	0	0	73.6	73.6	1	1010	3.25	125	71.09	0	4.36	0	0	0.42	0	0	0	0	0	0	-2.23	-2.23
Inverters	S_14C_1_I	367747	4907417	2	0	0	82.6	82.6	1	1010	3.25	250	71.09	0	3.55	0	0	1.05	0	0	0	0	0	0	6.95	6.95
Inverters	S_14C_1_I	367747	4907417	2	0	0	88.1	88.1	1	1010	3.25	500	71.09	0	-0.07	0	0	1.95	0	0	0	0	0	0	15.15	15.15
Inverters	S_14C_1_I	367747	4907417	2	0	0	85.7	85.7	1	1010	3.25	1000	71.09	0	-1.53	0	0	3.69	0	0	0	0	0	0	12.48	12.48
Inverters	S_14C_1_I	367747	4907417	2	0	0	90.6	90.6	1	1010	3.25	2000	71.09	0	-1.63	0	0	9.76	0	0	0	0	0	0	11.4	11.4

Inverters	S_14C_1_I	367747	4907417	2	0	0	99	99	1	1010	3.25	4000	71.09	0	-1.63	0	0	33.1	0	0	0	0	0	0	-3.6	-3.6
Inverters	S_14C_1_I	367747	4907417	2	0	0	86.3	86.3	1	1010	3.25	8000	71.09	0	-1.63	0	0	118.1	0	0	0	0	0	0	-101.3	-101.3
Inverters	S_25B_8_I	369029	4909001	2	0	0	59.8	59.8	1	1030	3.25	32	71.25	0	-5.43	0	0	0.03	0	0	0	0	0	0	-6.08	-6.08
Inverters	S_25B_8_I	369029	4909001	2	0	0	65.9	65.9	1	1030	3.25	63	71.25	0	-5.43	0	0	0.13	0	0	0	0	0	0	-0.04	-0.04
Inverters	S_25B_8_I	369029	4909001	2	0	0	73.6	73.6	1	1030	3.25	125	71.25	0	4.37	0	0	0.42	0	0	0	0	0	0	-2.42	-2.42
Inverters	S_25B_8_I	369029	4909001	2	0	0	82.6	82.6	1	1030	3.25	250	71.25	0	3.54	0	0	1.07	0	0	0	0	0	0	6.77	6.77
Inverters	S_25B_8_I	369029	4909001	2	0	0	88.1	88.1	1	1030	3.25	500	71.25	0	-0.07	0	0	1.98	0	0	0	0	0	0	14.95	14.95
Inverters	S_25B_8_I	369029	4909001	2	0	0	85.7	85.7	1	1030	3.25	1000	71.25	0	-1.53	0	0	3.77	0	0	0	0	0	0	12.25	12.25
Inverters	S_25B_8_I	369029	4909001	2	0	0	90.6	90.6	1	1030	3.25	2000	71.25	0	-1.63	0	0	9.95	0	0	0	0	0	0	11.05	11.05
Inverters	S_25B_8_I	369029	4909001	2	0	0	99	99	1	1030	3.25	4000	71.25	0	-1.63	0	0	33.74	0	0	0	0	0	0	-4.4	-4.4
Inverters	S_25B_8_I	369029	4909001	2	0	0	86.3	86.3	1	1030	3.25	8000	71.25	0	-1.63	0	0	120.3	0	0	0	0	0	0	-103.7	-103.7
Inverters	S_25A_9_I	369258	4908857	2	0	0	59.8	59.8	1	1084	3.25	32	71.7	0	-5.46	0	0	0.03	0	0	0	0	0	0	-6.5	-6.5
Inverters	S_25A_9_I	369258	4908857	2	0	0	65.9	65.9	1	1084	3.25	63	71.7	0	-5.46	0	0	0.13	0	0	0	0	0	0	-0.47	-0.47
Inverters	S_25A_9_I	369258	4908857	2	0	0	73.6	73.6	1	1084	3.25	125	71.7	0	4.41	0	0	0.45	0	0	0	0	0	0	-2.93	-2.93
Inverters	S_25A_9_I	369258	4908857	2	0	0	82.6	82.6	1	1084	3.25	250	71.7	0	3.53	0	0	1.13	0	0	0	0	0	0	6.27	6.27
Inverters	S_25A_9_I	369258	4908857	2	0	0	88.1	88.1	1	1084	3.25	500	71.7	0	-0.08	0	0	2.09	0	0	0	0	0	0	14.41	14.41
Inverters	S_25A_9_I	369258	4908857	2	0	0	85.7	85.7	1	1084	3.25	1000	71.7	0	-1.54	0	0	3.97	0	0	0	0	0	0	11.61	11.61
Inverters	S_25A_9_I	369258	4908857	2	0	0	90.6	90.6	1	1084	3.25	2000	71.7	0	-1.64	0	0	10.48	0	0	0	0	0	0	10.09	10.09
Inverters	S_25A_9_I	369258	4908857	2	0	0	99	99	1	1084	3.25	4000	71.7	0	-1.64	0	0	35.52	0	0	0	0	0	0	-6.62	-6.62
Inverters	S_25A_9_I	369258	4908857	2	0	0	86.3	86.3	1	1084	3.25	8000	71.7	0	-1.64	0	0	126.7	0	0	0	0	0	0	-110.5	-110.5
Inverters	S_25A_8_I	369251	4909001	2	0	0	59.8	59.8	1	1175	3.25	32	72.4	0	-5.5	0	0	0.04	0	0	0	0	0	0	-7.16	-7.16
Inverters	S_25A_8_I	369251	4909001	2	0	0	65.9	65.9	1	1175	3.25	63	72.4	0	-5.5	0	0	0.14	0	0	0	0	0	0	-1.14	-1.14
Inverters	S_25A_8_I	369251	4909001	2	0	0	73.6	73.6	1	1175	3.25	125	72.4	0	4.46	0	0	0.48	0	0	0	0	0	0	-3.71	-3.71
Inverters	S_25A_8_I	369251	4909001	2	0	0	82.6	82.6	1	1175	3.25	250	72.4	0	3.52	0	0	1.23	0	0	0	0	0	0	5.49	5.49
Inverters	S_25A_8_I	369251	4909001	2	0	0	88.1	88.1	1	1175	3.25	500	72.4	0	-0.09	0	0	2.27	0	0	0	0	0	0	13.55	13.55
Inverters	S_25A_8_I	369251	4909001	2	0	0	85.7	85.7	1	1175	3.25	1000	72.4	0	-1.56	0	0	4.3	0	0	0	0	0	0	10.59	10.59
Inverters	S_25A_8_I	369251	4909001	2	0	0	90.6	90.6	1	1175	3.25	2000	72.4	0	-1.65	0	0	11.36	0	0	0	0	0	0	8.52	8.52
Inverters	S_25A_8_I	369251	4909001	2	0	0	99	99	1	1175	3.25	4000	72.4	0	-1.65	0	0	38.51	0	0	0	0	0	0	-10.3	-10.3
Inverters	S_25A_8_I	369251	4909001	2	0	0	86.3	86.3	1	1175	3.25	8000	72.4	0	-1.65	0	0	137.4	0	0	0	0	0	0	-121.9	-121.9
Inverters	S_14A_10_I	368162	4907974	2	0	0	69.6	69.6	1	323.5	3.25	125	61.2	0	2.36	0	0	0.13	0	0	0	0	0	0	5.94	5.94
Inverters	S_14A_10_I	368162	4907974	2	0	0	78.6	78.6	1	323.5	3.25	250	61.2	0	3.91	0	0	0.34	0	0	0	0	0	0	13.2	13.2
Inverters	S_14A_10_I	368162	4907974	2	0	0	82.1	82.1	1	323.5	3.25	500	61.2	0	0.3	0	0	0.62	0	0	0	0	0	0	20	20
Inverters	S_14A_10_I	368162	4907974	2	0	0	75.7	75.7	1	323.5	3.25	1000	61.2	0	-1.16	0	0	1.18	0	0	0	0	0	0	14.52	14.52
Inverters	S_14A_10_I	368162	4907974	2	0	0	73.6	73.6	1	323.5	3.25	2000	61.2	0	-1.26	0	0	3.13	0	0	0	0	0	0	10.56	10.56
Inverters	S_14A_10_I	368162	4907974	2	0	0	87	87	1	323.5	3.25	4000	61.2	0	-1.26	0	0	10.6	0	0	0	0	0	0	16.42	16.42
Inverters	S_25B_7_I	369021	4909199	2	0	0	59.8	59.8	1	1191	3.25	32	72.52	0	-5.51	0	0	0.04	0	0	0	0	0	0	-7.27	-7.27
Inverters	S_25B_7_I	369021	4909199	2	0	0	65.9	65.9	1	1191	3.25	63	72.52	0	-5.51	0	0	0.14	0	0	0	0	0	0	-1.25	-1.25
Inverters	S_25B_7_I	369021	4909199	2	0	0	73.6	73.6	1	1191	3.25	125	72.52	0	4.46	0	0	0.49	0	0	0	0	0	0	-3.84	-3.84
Inverters	S_25B_7_I	369021	4909199	2	0	0	82.6	82.6	1	1191	3.25	250	72.52	0	3.52	0	0	1.24	0	0	0	0	0	0	5.36	5.36
Inverters	S_25B_7_I	369021	4909199	2	0	0	88.1	88.1	1	1191	3.25	500	72.52	0	-0.1	0	0	2.3	0	0	0	0	0	0	13.41	13.41
Inverters	S_25B_7_I	369021	4909199	2	0	0	85.7	85.7	1	1191	3.25	1000	72.52	0	-1.56	0	0	4.35	0	0	0	0	0	0	10.42	10.42
Inverters	S_25B_7_I	369021	4909199	2	0	0	90.6	90.6	1	1191	3.25	2000	72.52	0	-1.65	0	0	11.51	0	0	0	0	0	0	8.26	8.26
Inverters	S_25B_7_I	369021	4909199	2	0	0	99	99	1	1191	3.25	4000	72.52	0	-1.65	0	0	39.02	0	0	0	0	0	0	-10.91	-10.91
Inverters	S_25B_7_I	369021	4909199	2	0	0	86.3	86.3	1	1191	3.25	8000	72.52	0	-1.65	0	0	139.2	0	0	0	0	0	0	-123.8	-123.8
Inverters	S_4_3_I	369294	4909001	2	0	0	59.8	59.8	1	1206	3.25	32	72.63	0	-5.51	0	0	0.04	0	0	0	0	0	0	-7.38	-7.38
Inverters	S_4_3_I	369294	4909001	2	0	0	65.9	65.9	1	1206	3.25	63	72.63	0	-5.51	0	0	0.15	0	0	0	0	0	0	-1.36	-1.36
Inverters	S_4_3_I	369294	4909001	2	0	0	73.6	73.6	1	1206	3.25	125	72.63	0	4.47	0	0	0.5	0	0	0	0	0	0	-3.96	-3.96
Inverters	S_4_3_I	369294	4909001	2	0	0	82.6	82.6	1	1206	3.25	250	72.63	0	3.52	0	0	1.26	0	0	0	0	0	0	5.24	5.24
Inverters	S_4_3_I	369294	4909001	2	0	0	88.1	88.1	1	1206	3.25	500	72.63	0	-0.1	0	0	2.33	0	0	0	0	0	0	13.26	13.26
Inverters	S_4_3_I	369294	4909001	2	0	0	85.7	85.7	1	1206	3.25	1000	72.63	0	-1.56	0	0	4.41	0	0	0	0	0	0	10.26	10.26
Inverters	S_4_3_I	369294	4909001	2	0	0	90.6	90.6	1	1206	3.25	2000	72.63	0	-1.65	0	0	11.66	0	0	0	0	0	0	8	8
Inverters	S_4_3_I	369294	4909001	2	0	0	99	99	1	1206	3.25	4000	72.63	0	-1.65	0	0	39.52	0	0	0	0	0	0	-11.53	-11.53
Inverters	S_4_3_I	369294	4909001	2	0	0	86.3	86.3	1	1206	3.25	8000	72.63	0	-1.65	0	0	141	0	0	0	0	0	0	-125.7	-125.7
Inverters	S_14A_11_I	368336	4907840	2	0	0	69.6	69.6	1	342.7	3.25	125	61.7	0	2.42	0	0	0.14	0	0	0	0	0	0	5.37	5.37
Inverters	S_14A_11_I	368336	4907840	2	0	0	78.6	78.6	1	342.7	3.25	250	61.7	0	3.88	0	0	0.36	0	0	0	0	0	0	12.71	12.71

Inverters	S_14A_11_I	368336	4907840	2	0	0	82.1	82.1	1	342.7	3.25	500	61.7	0	0.27	0	0	0.66	0	0	0	0	0	0	19.49	19.49
Inverters	S_14A_11_I	368336	4907840	2	0	0	75.7	75.7	1	342.7	3.25	1000	61.7	0	-1.19	0	0	1.25	0	0	0	0	0	0	13.98	13.98
Inverters	S_14A_11_I	368336	4907840	2	0	0	73.6	73.6	1	342.7	3.25	2000	61.7	0	-1.29	0	0	3.31	0	0	0	0	0	0	9.9	9.9
Inverters	S_14A_11_I	368336	4907840	2	0	0	87	87	1	342.7	3.25	4000	61.7	0	-1.29	0	0	11.23	0	0	0	0	0	0	15.32	15.32
Inverters	S_14A_1_I	368669	4907930	2	0	0	69.6	69.6	1	350.1	3.25	125	61.88	0	2.45	0	0	0.14	0	0	0	0	0	0	5.16	5.16
Inverters	S_14A_1_I	368669	4907930	2	0	0	78.6	78.6	1	350.1	3.25	250	61.88	0	3.87	0	0	0.37	0	0	0	0	0	0	12.52	12.52
Inverters	S_14A_1_I	368669	4907930	2	0	0	82.1	82.1	1	350.1	3.25	500	61.88	0	0.26	0	0	0.67	0	0	0	0	0	0	19.3	19.3
Inverters	S_14A_1_I	368669	4907930	2	0	0	75.7	75.7	1	350.1	3.25	1000	61.88	0	-1.2	0	0	1.28	0	0	0	0	0	0	13.78	13.78
Inverters	S_14A_1_I	368669	4907930	2	0	0	73.6	73.6	1	350.1	3.25	2000	61.88	0	-1.3	0	0	3.38	0	0	0	0	0	0	9.66	9.66
Inverters	S_14A_1_I	368669	4907930	2	0	0	87	87	1	350.1	3.25	4000	61.88	0	-1.3	0	0	11.47	0	0	0	0	0	0	14.91	14.91
Inverters	S_25A_7_I	369242	4909199	2	0	0	59.8	59.8	1	1317	3.25	32	73.39	0	-5.56	0	0	0.04	0	0	0	0	0	0	-8.1	-8.1
Inverters	S_25A_7_I	369242	4909199	2	0	0	65.9	65.9	1	1317	3.25	63	73.39	0	-5.56	0	0	0.16	0	0	0	0	0	0	-2.09	-2.09
Inverters	S_25A_7_I	369242	4909199	2	0	0	73.6	73.6	1	1317	3.25	125	73.39	0	4.49	0	0	0.54	0	0	0	0	0	0	-4.78	-4.78
Inverters	S_25A_7_I	369242	4909199	2	0	0	82.6	82.6	1	1317	3.25	250	73.39	0	3.51	0	0	1.37	0	0	0	0	0	0	4.37	4.37
Inverters	S_25A_7_I	369242	4909199	2	0	0	88.1	88.1	1	1317	3.25	500	73.39	0	-0.11	0	0	2.54	0	0	0	0	0	0	12.3	12.3
Inverters	S_25A_7_I	369242	4909199	2	0	0	85.7	85.7	1	1317	3.25	1000	73.39	0	-1.57	0	0	4.82	0	0	0	0	0	0	9.1	9.1
Inverters	S_25A_7_I	369242	4909199	2	0	0	90.6	90.6	1	1317	3.25	2000	73.39	0	-1.67	0	0	12.72	0	0	0	0	0	0	6.18	6.18
Inverters	S_25A_7_I	369242	4909199	2	0	0	99	99	1	1317	3.25	4000	73.39	0	-1.67	0	0	43.14	0	0	0	0	0	0	-15.9	-15.9
Inverters	S_25A_7_I	369242	4909199	2	0	0	86.3	86.3	1	1317	3.25	8000	73.39	0	-1.67	0	0	153.9	0	0	0	0	0	0	-139.3	-139.3
Inverters	S_4_2_I	369287	4909199	2	0	0	59.8	59.8	1	1345	3.25	32	73.58	0	-5.57	0	0	0.04	0	0	0	0	0	0	-8.28	-8.28
Inverters	S_4_2_I	369287	4909199	2	0	0	65.9	65.9	1	1345	3.25	63	73.58	0	-5.57	0	0	0.16	0	0	0	0	0	0	-2.27	-2.27
Inverters	S_4_2_I	369287	4909199	2	0	0	73.6	73.6	1	1345	3.25	125	73.58	0	4.49	0	0	0.55	0	0	0	0	0	0	-4.99	-4.99
Inverters	S_4_2_I	369287	4909199	2	0	0	82.6	82.6	1	1345	3.25	250	73.58	0	3.5	0	0	1.4	0	0	0	0	0	0	4.16	4.16
Inverters	S_4_2_I	369287	4909199	2	0	0	88.1	88.1	1	1345	3.25	500	73.58	0	-0.11	0	0	2.59	0	0	0	0	0	0	12.06	12.06
Inverters	S_4_2_I	369287	4909199	2	0	0	85.7	85.7	1	1345	3.25	1000	73.58	0	-1.57	0	0	4.92	0	0	0	0	0	0	8.81	8.81
Inverters	S_4_2_I	369287	4909199	2	0	0	90.6	90.6	1	1345	3.25	2000	73.58	0	-1.67	0	0	13	0	0	0	0	0	0	5.72	5.72
Inverters	S_4_2_I	369287	4909199	2	0	0	99	99	1	1345	3.25	4000	73.58	0	-1.67	0	0	44.08	0	0	0	0	0	0	-17.03	-17.03
Inverters	S_4_2_I	369287	4909199	2	0	0	86.3	86.3	1	1345	3.25	8000	73.58	0	-1.67	0	0	157.2	0	0	0	0	0	0	-142.9	-142.9
Inverters	S_25B_6_I	369013	4909397	2	0	0	59.8	59.8	1	1361	3.25	32	73.68	0	-5.57	0	0	0.04	0	0	0	0	0	0	-8.38	-8.38
Inverters	S_25B_6_I	369013	4909397	2	0	0	65.9	65.9	1	1361	3.25	63	73.68	0	-5.57	0	0	0.17	0	0	0	0	0	0	-2.37	-2.37
Inverters	S_25B_6_I	369013	4909397	2	0	0	73.6	73.6	1	1361	3.25	125	73.68	0	4.49	0	0	0.56	0	0	0	0	0	0	-5.1	-5.1
Inverters	S_25B_6_I	369013	4909397	2	0	0	82.6	82.6	1	1361	3.25	250	73.68	0	3.5	0	0	1.42	0	0	0	0	0	0	4.04	4.04
Inverters	S_25B_6_I	369013	4909397	2	0	0	88.1	88.1	1	1361	3.25	500	73.68	0	-0.11	0	0	2.62	0	0	0	0	0	0	11.93	11.93
Inverters	S_25B_6_I	369013	4909397	2	0	0	85.7	85.7	1	1361	3.25	1000	73.68	0	-1.58	0	0	4.98	0	0	0	0	0	0	8.65	8.65
Inverters	S_25B_6_I	369013	4909397	2	0	0	90.6	90.6	1	1361	3.25	2000	73.68	0	-1.67	0	0	13.16	0	0	0	0	0	0	5.46	5.46
Inverters	S_25B_6_I	369013	4909397	2	0	0	99	99	1	1361	3.25	4000	73.68	0	-1.67	0	0	44.61	0	0	0	0	0	0	-17.66	-17.66
Inverters	S_25B_6_I	369013	4909397	2	0	0	86.3	86.3	1	1361	3.25	8000	73.68	0	-1.67	0	0	159.1	0	0	0	0	0	0	-144.9	-144.9
Inverters	S_25A_6_I	369235	4909397	2	0	0	59.8	59.8	1	1472	3.25	32	74.36	0	-5.6	0	0	0.05	0	0	0	0	0	0	-9.03	-9.03
Inverters	S_25A_6_I	369235	4909397	2	0	0	65.9	65.9	1	1472	3.25	63	74.36	0	-5.6	0	0	0.18	0	0	0	0	0	0	-3.03	-3.03
Inverters	S_25A_6_I	369235	4909397	2	0	0	73.6	73.6	1	1472	3.25	125	74.36	0	4.49	0	0	0.6	0	0	0	0	0	0	-5.82	-5.82
Inverters	S_25A_6_I	369235	4909397	2	0	0	82.6	82.6	1	1472	3.25	250	74.36	0	3.49	0	0	1.54	0	0	0	0	0	0	3.25	3.25
Inverters	S_25A_6_I	369235	4909397	2	0	0	88.1	88.1	1	1472	3.25	500	74.36	0	-0.12	0	0	2.84	0	0	0	0	0	0	11.05	11.05
Inverters	S_25A_6_I	369235	4909397	2	0	0	85.7	85.7	1	1472	3.25	1000	74.36	0	-1.59	0	0	5.38	0	0	0	0	0	0	7.58	7.58
Inverters	S_25A_6_I	369235	4909397	2	0	0	90.6	90.6	1	1472	3.25	2000	74.36	0	-1.68	0	0	14.23	0	0	0	0	0	0	3.72	3.72
Inverters	S_25A_6_I	369235	4909397	2	0	0	99	99	1	1472	3.25	4000	74.36	0	-1.68	0	0	48.24	0	0	0	0	0	0	-21.96	-21.96
Inverters	S_25A_6_I	369235	4909397	2	0	0	86.3	86.3	1	1472	3.25	8000	74.36	0	-1.68	0	0	172.1	0	0	0	0	0	0	-158.5	-158.5
Inverters	S_4_1_I	369280	4909397	2	0	0	59.8	59.8	1	1498	3.25	32	74.51	0	-5.61	0	0	0.05	0	0	0	0	0	0	-9.17	-9.17
Inverters	S_4_1_I	369280	4909397	2	0	0	65.9	65.9	1	1498	3.25	63	74.51	0	-5.61	0	0	0.18	0	0	0	0	0	0	-3.18	-3.18
Inverters	S_4_1_I	369280	4909397	2	0	0	73.6	73.6	1	1498	3.25	125	74.51	0	4.49	0	0	0.62	0	0	0	0	0	0	-5.98	-5.98
Inverters	S_4_1_I	369280	4909397	2	0	0	82.6	82.6	1	1498	3.25	250	74.51	0	3.49	0	0	1.56	0	0	0	0	0	0	3.08	3.08
Inverters	S_4_1_I	369280	4909397	2	0	0	88.1	88.1	1	1498	3.25	500	74.51	0	-0.13	0	0	2.89	0	0	0	0	0	0	10.85	10.85
Inverters	S_4_1_I	369280	4909397	2	0	0	85.7	85.7	1	1498	3.25	1000	74.51	0	-1.59	0	0	5.48	0	0	0	0	0	0	7.34	7.34
Inverters	S_4_1_I	369280	4909397	2	0	0	90.6	90.6	1	1498	3.25	2000	74.51	0	-1.68	0	0	14.47	0	0	0	0	0	0	3.33	3.33
Inverters	S_4_1_I	369280	4909397	2	0	0	99	99	1	1498	3.25	4000	74.51	0	-1.68	0	0	49.08	0	0	0	0	0	0	-22.94	-22.94
Inverters	S_4_1_I	369280	4909397	2	0	0	86.3	86.3	1	1498	3.25	8000	74.51	0	-1.68	0	0	175.1	0	0	0	0	0	0	-161.6	-161.6

Inverters	S_25B_5_I	369005	4909595	2	0	0	59.8	59.8	1	1539	3.25	32	74.74	0	-5.62	0	0	0.05	0	0	0	0	0	0	-9.4	-9.4
Inverters	S_25B_5_I	369005	4909595	2	0	0	65.9	65.9	1	1539	3.25	63	74.74	0	-5.62	0	0	0.19	0	0	0	0	0	0	-3.41	-3.41
Inverters	S_25B_5_I	369005	4909595	2	0	0	73.6	73.6	1	1539	3.25	125	74.74	0	4.49	0	0	0.63	0	0	0	0	0	0	-6.23	-6.23
Inverters	S_25B_5_I	369005	4909595	2	0	0	82.6	82.6	1	1539	3.25	250	74.74	0	3.49	0	0	1.61	0	0	0	0	0	0	2.81	2.81
Inverters	S_25B_5_I	369005	4909595	2	0	0	88.1	88.1	1	1539	3.25	500	74.74	0	-0.13	0	0	2.97	0	0	0	0	0	0	10.54	10.54
Inverters	S_25B_5_I	369005	4909595	2	0	0	85.7	85.7	1	1539	3.25	1000	74.74	0	-1.59	0	0	5.63	0	0	0	0	0	0	6.96	6.96
Inverters	S_25B_5_I	369005	4909595	2	0	0	90.6	90.6	1	1539	3.25	2000	74.74	0	-1.69	0	0	14.87	0	0	0	0	0	0	2.7	2.7
Inverters	S_25B_5_I	369005	4909595	2	0	0	99	99	1	1539	3.25	4000	74.74	0	-1.69	0	0	50.43	0	0	0	0	0	0	-24.52	-24.52
Inverters	S_25B_5_I	369005	4909595	2	0	0	86.3	86.3	1	1539	3.25	8000	74.74	0	-1.69	0	0	179.9	0	0	0	0	0	0	-166.7	-166.7
Inverters	S_4_4_I	369318	4908858	2	0	0	56.8	56.8	1	1132	3.25	32	72.08	0	-5.48	0	0	0.04	0	0	0	0	0	0	-9.83	-9.83
Inverters	S_4_4_I	369318	4908858	2	0	0	62.9	62.9	1	1132	3.25	63	72.08	0	-5.48	0	0	0.14	0	0	0	0	0	0	-3.83	-3.83
Inverters	S_4_4_I	369318	4908858	2	0	0	70.6	70.6	1	1132	3.25	125	72.08	0	4.44	0	0	0.47	0	0	0	0	0	0	-6.38	-6.38
Inverters	S_4_4_I	369318	4908858	2	0	0	79.6	79.6	1	1132	3.25	250	72.08	0	3.53	0	0	1.18	0	0	0	0	0	0	2.82	2.82
Inverters	S_4_4_I	369318	4908858	2	0	0	85.1	85.1	1	1132	3.25	500	72.08	0	-0.09	0	0	2.18	0	0	0	0	0	0	10.93	10.93
Inverters	S_4_4_I	369318	4908858	2	0	0	82.7	82.7	1	1132	3.25	1000	72.08	0	-1.55	0	0	4.14	0	0	0	0	0	0	8.03	8.03
Inverters	S_4_4_I	369318	4908858	2	0	0	87.6	87.6	1	1132	3.25	2000	72.08	0	-1.64	0	0	10.94	0	0	0	0	0	0	6.23	6.23
Inverters	S_4_4_I	369318	4908858	2	0	0	96	96	1	1132	3.25	4000	72.08	0	-1.64	0	0	37.09	0	0	0	0	0	0	-11.52	-11.52
Inverters	S_4_4_I	369318	4908858	2	0	0	83.3	83.3	1	1132	3.25	8000	72.08	0	-1.64	0	0	132.3	0	0	0	0	0	0	-119.4	-119.4
Inverters	S_3_4_I	369981	4908514	2	0	0	59.8	59.8	1	1601	3.25	32	75.09	0	-5.63	0	0	0.05	0	0	0	0	0	0	-9.73	-9.73
Inverters	S_3_4_I	369981	4908514	2	0	0	65.9	65.9	1	1601	3.25	63	75.09	0	-5.63	0	0	0.19	0	0	0	0	0	0	-3.74	-3.74
Inverters	S_3_4_I	369981	4908514	2	0	0	73.6	73.6	1	1601	3.25	125	75.09	0	4.49	0	0	0.66	0	0	0	0	0	0	-6.6	-6.6
Inverters	S_3_4_I	369981	4908514	2	0	0	82.6	82.6	1	1601	3.25	250	75.09	0	3.48	0	0	1.67	0	0	0	0	0	0	2.4	2.4
Inverters	S_3_4_I	369981	4908514	2	0	0	88.1	88.1	1	1601	3.25	500	75.09	0	-0.13	0	0	3.09	0	0	0	0	0	0	10.08	10.08
Inverters	S_3_4_I	369981	4908514	2	0	0	85.7	85.7	1	1601	3.25	1000	75.09	0	-1.59	0	0	5.86	0	0	0	0	0	0	6.39	6.39
Inverters	S_3_4_I	369981	4908514	2	0	0	90.6	90.6	1	1601	3.25	2000	75.09	0	-1.69	0	0	15.47	0	0	0	0	0	0	1.76	1.76
Inverters	S_3_4_I	369981	4908514	2	0	0	99	99	1	1601	3.25	4000	75.09	0	-1.69	0	0	52.46	0	0	0	0	0	0	-26.89	-26.89
Inverters	S_3_4_I	369981	4908514	2	0	0	86.3	86.3	1	1601	3.25	8000	75.09	0	-1.69	0	0	187.1	0	0	0	0	0	0	-174.2	-174.2
Inverters	S_25A_5_I	369227	4909595	2	0	0	59.8	59.8	1	1637	3.25	32	75.28	0	-5.64	0	0	0.05	0	0	0	0	0	0	-9.91	-9.91
Inverters	S_25A_5_I	369227	4909595	2	0	0	65.9	65.9	1	1637	3.25	63	75.28	0	-5.64	0	0	0.2	0	0	0	0	0	0	-3.93	-3.93
Inverters	S_25A_5_I	369227	4909595	2	0	0	73.6	73.6	1	1637	3.25	125	75.28	0	4.49	0	0	0.67	0	0	0	0	0	0	-6.8	-6.8
Inverters	S_25A_5_I	369227	4909595	2	0	0	82.6	82.6	1	1637	3.25	250	75.28	0	3.48	0	0	1.71	0	0	0	0	0	0	2.18	2.18
Inverters	S_25A_5_I	369227	4909595	2	0	0	88.1	88.1	1	1637	3.25	500	75.28	0	-0.14	0	0	3.15	0	0	0	0	0	0	9.82	9.82
Inverters	S_25A_5_I	369227	4909595	2	0	0	85.7	85.7	1	1637	3.25	1000	75.28	0	-1.6	0	0	5.99	0	0	0	0	0	0	6.07	6.07
Inverters	S_25A_5_I	369227	4909595	2	0	0	90.6	90.6	1	1637	3.25	2000	75.28	0	-1.69	0	0	15.82	0	0	0	0	0	0	1.22	1.22
Inverters	S_25A_5_I	369227	4909595	2	0	0	99	99	1	1637	3.25	4000	75.28	0	-1.69	0	0	53.63	0	0	0	0	0	0	-28.25	-28.25
Inverters	S_25A_5_I	369227	4909595	2	0	0	86.3	86.3	1	1637	3.25	8000	75.28	0	-1.69	0	0	191.3	0	0	0	0	0	0	-178.6	-178.6
Inverters	S_3_3_I	370019	4908694	2	0	0	59.8	59.8	1	1685	3.25	32	75.53	0	-5.65	0	0	0.05	0	0	0	0	0	0	-10.16	-10.16
Inverters	S_3_3_I	370019	4908694	2	0	0	65.9	65.9	1	1685	3.25	63	75.53	0	-5.65	0	0	0.21	0	0	0	0	0	0	-4.18	-4.18
Inverters	S_3_3_I	370019	4908694	2	0	0	73.6	73.6	1	1685	3.25	125	75.53	0	4.48	0	0	0.69	0	0	0	0	0	0	-7.07	-7.07
Inverters	S_3_3_I	370019	4908694	2	0	0	82.6	82.6	1	1685	3.25	250	75.53	0	3.48	0	0	1.76	0	0	0	0	0	0	1.88	1.88
Inverters	S_3_3_I	370019	4908694	2	0	0	88.1	88.1	1	1685	3.25	500	75.53	0	-0.14	0	0	3.25	0	0	0	0	0	0	9.48	9.48
Inverters	S_3_3_I	370019	4908694	2	0	0	85.7	85.7	1	1685	3.25	1000	75.53	0	-1.6	0	0	6.16	0	0	0	0	0	0	5.65	5.65
Inverters	S_3_3_I	370019	4908694	2	0	0	90.6	90.6	1	1685	3.25	2000	75.53	0	-1.7	0	0	16.28	0	0	0	0	0	0	0.51	0.51
Inverters	S_3_3_I	370019	4908694	2	0	0	99	99	1	1685	3.25	4000	75.53	0	-1.7	0	0	55.2	0	0	0	0	0	0	-30.07	-30.07
Inverters	S_3_3_I	370019	4908694	2	0	0	86.3	86.3	1	1685	3.25	8000	75.53	0	-1.7	0	0	196.9	0	0	0	0	0	0	-184.5	-184.5
Inverters	S_25B_4_I	368997	4909793	2	0	0	59.8	59.8	1	1721	3.25	32	75.71	0	-5.66	0	0	0.06	0	0	0	0	0	0	-10.33	-10.33
Inverters	S_25B_4_I	368997	4909793	2	0	0	65.9	65.9	1	1721	3.25	63	75.71	0	-5.66	0	0	0.21	0	0	0	0	0	0	-4.36	-4.36
Inverters	S_25B_4_I	368997	4909793	2	0	0	73.6	73.6	1	1721	3.25	125	75.71	0	4.48	0	0	0.71	0	0	0	0	0	0	-7.27	-7.27
Inverters	S_25B_4_I	368997	4909793	2	0	0	82.6	82.6	1	1721	3.25	250	75.71	0	3.47	0	0	1.8	0	0	0	0	0	0	1.66	1.66
Inverters	S_25B_4_I	368997	4909793	2	0	0	88.1	88.1	1	1721	3.25	500	75.71	0	-0.14	0	0	3.32	0	0	0	0	0	0	9.23	9.23
Inverters	S_25B_4_I	368997	4909793	2	0	0	85.7	85.7	1	1721	3.25	1000	75.71	0	-1.6	0	0	6.29	0	0	0	0	0	0	5.33	5.33
Inverters	S_25B_4_I	368997	4909793	2	0	0	90.6	90.6	1	1721	3.25	2000	75.71	0	-1.7	0	0	16.63	0	0	0	0	0	0	-0.02	-0.02
Inverters	S_25B_4_I	368997	4909793	2	0	0	99	99	1	1721	3.25	4000	75.71	0	-1.7	0	0	56.39	0	0	0	0	0	0	-31.44	-31.44
Inverters	S_25B_4_I	368997	4909793	2	0	0	86.3	86.3	1	1721	3.25	8000	75.71	0	-1.7	0	0	201.1	0	0	0	0	0	0	-188.9	-188.9
Inverters	S_3_2_I	370014	4908857	2	0	0	59.8	59.8	1	1737	3.25	32	75.8	0	-5.66	0	0	0.06	0	0	0	0	0	0	-10.41	-10.41

Inverters	S_3_2_I	370014	4908857	2	0	0	65.9	65.9	1	1737	3.25	63	75.8	0	-5.66	0	0	0.21	0	0	0	0	0	0	-4.44	-4.44
Inverters	S_3_2_I	370014	4908857	2	0	0	73.6	73.6	1	1737	3.25	125	75.8	0	4.48	0	0	0.71	0	0	0	0	0	0	-7.36	-7.36
Inverters	S_3_2_I	370014	4908857	2	0	0	82.6	82.6	1	1737	3.25	250	75.8	0	3.47	0	0	1.81	0	0	0	0	0	0	1.56	1.56
Inverters	S_3_2_I	370014	4908857	2	0	0	88.1	88.1	1	1737	3.25	500	75.8	0	-0.14	0	0	3.35	0	0	0	0	0	0	9.12	9.12
Inverters	S_3_2_I	370014	4908857	2	0	0	85.7	85.7	1	1737	3.25	1000	75.8	0	-1.6	0	0	6.35	0	0	0	0	0	0	5.19	5.19
Inverters	S_3_2_I	370014	4908857	2	0	0	90.6	90.6	1	1737	3.25	2000	75.8	0	-1.7	0	0	16.79	0	0	0	0	0	0	-0.26	-0.26
Inverters	S_3_2_I	370014	4908857	2	0	0	99	99	1	1737	3.25	4000	75.8	0	-1.7	0	0	56.93	0	0	0	0	0	0	-32.07	-32.07
Inverters	S_3_2_I	370014	4908857	2	0	0	86.3	86.3	1	1737	3.25	8000	75.8	0	-1.7	0	0	203.1	0	0	0	0	0	0	-190.9	-190.9
Inverters	S_25A_4_I	369219	4909793	2	0	0	59.8	59.8	1	1808	3.25	32	76.14	0	-5.68	0	0	0.06	0	0	0	0	0	0	-10.75	-10.75
Inverters	S_25A_4_I	369219	4909793	2	0	0	65.9	65.9	1	1808	3.25	63	76.14	0	-5.68	0	0	0.22	0	0	0	0	0	0	-4.78	-4.78
Inverters	S_25A_4_I	369219	4909793	2	0	0	73.6	73.6	1	1808	3.25	125	76.14	0	4.48	0	0	0.74	0	0	0	0	0	0	-7.73	-7.73
Inverters	S_25A_4_I	369219	4909793	2	0	0	82.6	82.6	1	1808	3.25	250	76.14	0	3.47	0	0	1.89	0	0	0	0	0	0	1.14	1.14
Inverters	S_25A_4_I	369219	4909793	2	0	0	88.1	88.1	1	1808	3.25	500	76.14	0	-0.15	0	0	3.48	0	0	0	0	0	0	8.64	8.64
Inverters	S_25A_4_I	369219	4909793	2	0	0	85.7	85.7	1	1808	3.25	1000	76.14	0	-1.61	0	0	6.61	0	0	0	0	0	0	4.59	4.59
Inverters	S_25A_4_I	369219	4909793	2	0	0	90.6	90.6	1	1808	3.25	2000	76.14	0	-1.7	0	0	17.47	0	0	0	0	0	0	-1.28	-1.28
Inverters	S_25A_4_I	369219	4909793	2	0	0	99	99	1	1808	3.25	4000	76.14	0	-1.7	0	0	59.24	0	0	0	0	0	0	-34.71	-34.71
Inverters	S_25A_4_I	369219	4909793	2	0	0	86.3	86.3	1	1808	3.25	8000	76.14	0	-1.7	0	0	211.3	0	0	0	0	0	0	-199.5	-199.5
Inverters	S_12_2_I	370091	4907340	2	0	0	59.8	59.8	1	1870	3.25	32	76.44	0	-5.69	0	0	0.06	0	0	0	0	0	0	-11.03	-11.03
Inverters	S_12_2_I	370091	4907340	2	0	0	65.9	65.9	1	1870	3.25	63	76.44	0	-5.69	0	0	0.23	0	0	0	0	0	0	-5.07	-5.07
Inverters	S_12_2_I	370091	4907340	2	0	0	73.6	73.6	1	1870	3.25	125	76.44	0	4.47	0	0	0.77	0	0	0	0	0	0	-8.05	-8.05
Inverters	S_12_2_I	370091	4907340	2	0	0	82.6	82.6	1	1870	3.25	250	76.44	0	3.47	0	0	1.95	0	0	0	0	0	0	0.79	0.79
Inverters	S_12_2_I	370091	4907340	2	0	0	88.1	88.1	1	1870	3.25	500	76.44	0	-0.15	0	0	3.6	0	0	0	0	0	0	8.23	8.23
Inverters	S_12_2_I	370091	4907340	2	0	0	85.7	85.7	1	1870	3.25	1000	76.44	0	-1.61	0	0	6.84	0	0	0	0	0	0	4.07	4.07
Inverters	S_12_2_I	370091	4907340	2	0	0	90.6	90.6	1	1870	3.25	2000	76.44	0	-1.71	0	0	18.07	0	0	0	0	0	0	-2.17	-2.17
Inverters	S_12_2_I	370091	4907340	2	0	0	99	99	1	1870	3.25	4000	76.44	0	-1.71	0	0	61.27	0	0	0	0	0	0	-37.04	-37.04
Inverters	S_12_2_I	370091	4907340	2	0	0	86.3	86.3	1	1870	3.25	8000	76.44	0	-1.71	0	0	218.6	0	0	0	0	0	0	-207	-207
Inverters	S_3_1_I	370016	4909146	2	0	0	59.8	59.8	1	1872	3.25	32	76.45	0	-5.69	0	0	0.06	0	0	0	0	0	0	-11.04	-11.04
Inverters	S_3_1_I	370016	4909146	2	0	0	65.9	65.9	1	1872	3.25	63	76.45	0	-5.69	0	0	0.23	0	0	0	0	0	0	-5.08	-5.08
Inverters	S_3_1_I	370016	4909146	2	0	0	73.6	73.6	1	1872	3.25	125	76.45	0	4.47	0	0	0.77	0	0	0	0	0	0	-8.06	-8.06
Inverters	S_3_1_I	370016	4909146	2	0	0	82.6	82.6	1	1872	3.25	250	76.45	0	3.47	0	0	1.95	0	0	0	0	0	0	0.78	0.78
Inverters	S_3_1_I	370016	4909146	2	0	0	88.1	88.1	1	1872	3.25	500	76.45	0	-0.15	0	0	3.61	0	0	0	0	0	0	8.22	8.22
Inverters	S_3_1_I	370016	4909146	2	0	0	85.7	85.7	1	1872	3.25	1000	76.45	0	-1.61	0	0	6.85	0	0	0	0	0	0	4.06	4.06
Inverters	S_3_1_I	370016	4909146	2	0	0	90.6	90.6	1	1872	3.25	2000	76.45	0	-1.71	0	0	18.09	0	0	0	0	0	0	-2.2	-2.2
Inverters	S_3_1_I	370016	4909146	2	0	0	99	99	1	1872	3.25	4000	76.45	0	-1.71	0	0	61.34	0	0	0	0	0	0	-37.11	-37.11
Inverters	S_3_1_I	370016	4909146	2	0	0	86.3	86.3	1	1872	3.25	8000	76.45	0	-1.71	0	0	218.8	0	0	0	0	0	0	-207.3	-207.3
Inverters	S_25B_3_I	368989	4909991	2	0	0	59.8	59.8	1	1906	3.25	32	76.6	0	-5.69	0	0	0.06	0	0	0	0	0	0	-11.19	-11.19
Inverters	S_25B_3_I	368989	4909991	2	0	0	65.9	65.9	1	1906	3.25	63	76.6	0	-5.69	0	0	0.23	0	0	0	0	0	0	-5.24	-5.24
Inverters	S_25B_3_I	368989	4909991	2	0	0	73.6	73.6	1	1906	3.25	125	76.6	0	4.47	0	0	0.78	0	0	0	0	0	0	-8.23	-8.23
Inverters	S_25B_3_I	368989	4909991	2	0	0	82.6	82.6	1	1906	3.25	250	76.6	0	3.47	0	0	1.99	0	0	0	0	0	0	0.59	0.59
Inverters	S_25B_3_I	368989	4909991	2	0	0	88.1	88.1	1	1906	3.25	500	76.6	0	-0.15	0	0	3.67	0	0	0	0	0	0	7.99	7.99
Inverters	S_25B_3_I	368989	4909991	2	0	0	85.7	85.7	1	1906	3.25	1000	76.6	0	-1.61	0	0	6.97	0	0	0	0	0	0	3.78	3.78
Inverters	S_25B_3_I	368989	4909991	2	0	0	90.6	90.6	1	1906	3.25	2000	76.6	0	-1.71	0	0	18.42	0	0	0	0	0	0	-2.69	-2.69
Inverters	S_25B_3_I	368989	4909991	2	0	0	99	99	1	1906	3.25	4000	76.6	0	-1.71	0	0	62.46	0	0	0	0	0	0	-38.39	-38.39
Inverters	S_25B_3_I	368989	4909991	2	0	0	86.3	86.3	1	1906	3.25	8000	76.6	0	-1.71	0	0	222.8	0	0	0	0	0	0	-211.4	-211.4
Inverters	S_2_1_I	370225	4908848	2	0	0	59.8	59.8	1	1930	3.25	32	76.71	0	-5.7	0	0	0.06	0	0	0	0	0	0	-11.3	-11.3
Inverters	S_2_1_I	370225	4908848	2	0	0	65.9	65.9	1	1930	3.25	63	76.71	0	-5.7	0	0	0.23	0	0	0	0	0	0	-5.35	-5.35
Inverters	S_2_1_I	370225	4908848	2	0	0	73.6	73.6	1	1930	3.25	125	76.71	0	4.47	0	0	0.79	0	0	0	0	0	0	-8.34	-8.34
Inverters	S_2_1_I	370225	4908848	2	0	0	82.6	82.6	1	1930	3.25	250	76.71	0	3.46	0	0	2.01	0	0	0	0	0	0	0.45	0.45
Inverters	S_2_1_I	370225	4908848	2	0	0	88.1	88.1	1	1930	3.25	500	76.71	0	-0.15	0	0	3.72	0	0	0	0	0	0	7.84	7.84
Inverters	S_2_1_I	370225	4908848	2	0	0	85.7	85.7	1	1930	3.25	1000	76.71	0	-1.61	0	0	7.06	0	0	0	0	0	0	3.58	3.58
Inverters	S_2_1_I	370225	4908848	2	0	0	90.6	90.6	1	1930	3.25	2000	76.71	0	-1.71	0	0	18.65	0	0	0	0	0	0	-3.03	-3.03
Inverters	S_2_1_I	370225	4908848	2	0	0	99	99	1	1930	3.25	4000	76.71	0	-1.71	0	0	63.24	0	0	0	0	0	0	-39.28	-39.28
Inverters	S_2_1_I	370225	4908848	2	0	0	86.3	86.3	1	1930	3.25	8000	76.71	0	-1.71	0	0	225.6	0	0	0	0	0	0	-214.3	-214.3
Inverters	S_14A_2_I	368678	4907713	2	0	0	69.6	69.6	1	528.9	3.25	125	65.47	0	3.14	0	0	0.22	0	0	0	0	0	0	0.8	0.8
Inverters	S_14A_2_I	368678	4907713	2	0	0	78.6	78.6	1	528.9	3.25	250	65.47	0	3.7	0	0	0.55	0	0	0	0	0	0	8.92	8.92

Inverters	S_14A_2_I	368678	4907713	2	0	0	82.1	82.1	1	528.9	3.25	500	65.47	0	0.09	0	0	1.02	0	0	0	0	0	0	15.54	15.54
Inverters	S_14A_2_I	368678	4907713	2	0	0	75.7	75.7	1	528.9	3.25	1000	65.47	0	-1.37	0	0	1.93	0	0	0	0	0	0	9.71	9.71
Inverters	S_14A_2_I	368678	4907713	2	0	0	73.6	73.6	1	528.9	3.25	2000	65.47	0	-1.47	0	0	5.11	0	0	0	0	0	0	4.52	4.52
Inverters	S_14A_2_I	368678	4907713	2	0	0	87	87	1	528.9	3.25	4000	65.47	0	-1.47	0	0	17.33	0	0	0	0	0	0	5.63	5.63
Inverters	S_2_2_I	370320	4908704	2	0	0	59.8	59.8	1	1976	3.25	32	76.91	0	-5.7	0	0	0.06	0	0	0	0	0	0	-11.5	-11.5
Inverters	S_2_2_I	370320	4908704	2	0	0	65.9	65.9	1	1976	3.25	63	76.91	0	-5.7	0	0	0.24	0	0	0	0	0	0	-5.55	-5.55
Inverters	S_2_2_I	370320	4908704	2	0	0	73.6	73.6	1	1976	3.25	125	76.91	0	4.47	0	0	0.81	0	0	0	0	0	0	-8.56	-8.56
Inverters	S_2_2_I	370320	4908704	2	0	0	82.6	82.6	1	1976	3.25	250	76.91	0	3.46	0	0	2.06	0	0	0	0	0	0	0.2	0.2
Inverters	S_2_2_I	370320	4908704	2	0	0	88.1	88.1	1	1976	3.25	500	76.91	0	-0.15	0	0	3.81	0	0	0	0	0	0	7.55	7.55
Inverters	S_2_2_I	370320	4908704	2	0	0	85.7	85.7	1	1976	3.25	1000	76.91	0	-1.62	0	0	7.23	0	0	0	0	0	0	3.21	3.21
Inverters	S_2_2_I	370320	4908704	2	0	0	90.6	90.6	1	1976	3.25	2000	76.91	0	-1.71	0	0	19.09	0	0	0	0	0	0	-3.67	-3.67
Inverters	S_2_2_I	370320	4908704	2	0	0	99	99	1	1976	3.25	4000	76.91	0	-1.71	0	0	64.74	0	0	0	0	0	0	-40.98	-40.98
Inverters	S_2_2_I	370320	4908704	2	0	0	86.3	86.3	1	1976	3.25	8000	76.91	0	-1.71	0	0	230.9	0	0	0	0	0	0	-219.9	-219.9
Inverters	S_25A_3_I	369211	4909991	2	0	0	59.8	59.8	1	1984	3.25	32	76.95	0	-5.71	0	0	0.06	0	0	0	0	0	0	-11.53	-11.53
Inverters	S_25A_3_I	369211	4909991	2	0	0	65.9	65.9	1	1984	3.25	63	76.95	0	-5.71	0	0	0.24	0	0	0	0	0	0	-5.58	-5.58
Inverters	S_25A_3_I	369211	4909991	2	0	0	73.6	73.6	1	1984	3.25	125	76.95	0	4.47	0	0	0.82	0	0	0	0	0	0	-8.6	-8.6
Inverters	S_25A_3_I	369211	4909991	2	0	0	82.6	82.6	1	1984	3.25	250	76.95	0	3.46	0	0	2.07	0	0	0	0	0	0	0.16	0.16
Inverters	S_25A_3_I	369211	4909991	2	0	0	88.1	88.1	1	1984	3.25	500	76.95	0	-0.15	0	0	3.82	0	0	0	0	0	0	7.5	7.5
Inverters	S_25A_3_I	369211	4909991	2	0	0	85.7	85.7	1	1984	3.25	1000	76.95	0	-1.62	0	0	7.26	0	0	0	0	0	0	3.15	3.15
Inverters	S_25A_3_I	369211	4909991	2	0	0	90.6	90.6	1	1984	3.25	2000	76.95	0	-1.71	0	0	19.17	0	0	0	0	0	0	-3.78	-3.78
Inverters	S_25A_3_I	369211	4909991	2	0	0	99	99	1	1984	3.25	4000	76.95	0	-1.71	0	0	65.01	0	0	0	0	0	0	-41.28	-41.28
Inverters	S_25A_3_I	369211	4909991	2	0	0	86.3	86.3	1	1984	3.25	8000	76.95	0	-1.71	0	0	231.9	0	0	0	0	0	0	-220.9	-220.9
Inverters	S_12_1_I	370241	4907365	2	0	0	59.8	59.8	1	1995	3.25	32	77	0	-5.71	0	0	0.06	0	0	0	0	0	0	-11.56	-11.56
Inverters	S_12_1_I	370241	4907365	2	0	0	65.9	65.9	1	1995	3.25	63	77	0	-5.71	0	0	0.24	0	0	0	0	0	0	-5.63	-5.63
Inverters	S_12_1_I	370241	4907365	2	0	0	73.6	73.6	1	1995	3.25	125	77	0	4.47	0	0	0.82	0	0	0	0	0	0	-8.69	-8.69
Inverters	S_12_1_I	370241	4907365	2	0	0	82.6	82.6	1	1995	3.25	250	77	0	3.46	0	0	2.08	0	0	0	0	0	0	0.06	0.06
Inverters	S_12_1_I	370241	4907365	2	0	0	88.1	88.1	1	1995	3.25	500	77	0	-0.15	0	0	3.85	0	0	0	0	0	0	7.41	7.41
Inverters	S_12_1_I	370241	4907365	2	0	0	85.7	85.7	1	1995	3.25	1000	77	0	-1.62	0	0	7.3	0	0	0	0	0	0	3.02	3.02
Inverters	S_12_1_I	370241	4907365	2	0	0	90.6	90.6	1	1995	3.25	2000	77	0	-1.71	0	0	19.28	0	0	0	0	0	0	-3.97	-3.97
Inverters	S_12_1_I	370241	4907365	2	0	0	99	99	1	1995	3.25	4000	77	0	-1.71	0	0	65.37	0	0	0	0	0	0	-41.66	-41.66
Inverters	S_12_1_I	370241	4907365	2	0	0	86.3	86.3	1	1995	3.25	8000	77	0	-1.71	0	0	233.2	0	0	0	0	0	0	-222.2	-222.2
Inverters	S_12_3_I	370202	4907134	2	0	0	59.8	59.8	1	2065	3.25	32	77.3	0	-5.72	0	0	0.07	0	0	0	0	0	0	-11.87	-11.87
Inverters	S_12_3_I	370202	4907134	2	0	0	65.9	65.9	1	2065	3.25	63	77.3	0	-5.72	0	0	0.25	0	0	0	0	0	0	-5.93	-5.93
Inverters	S_12_3_I	370202	4907134	2	0	0	73.6	73.6	1	2065	3.25	125	77.3	0	4.46	0	0	0.85	0	0	0	0	0	0	-8.98	-8.98
Inverters	S_12_3_I	370202	4907134	2	0	0	82.6	82.6	1	2065	3.25	250	77.3	0	3.46	0	0	2.15	0	0	0	0	0	0	-0.27	-0.27
Inverters	S_12_3_I	370202	4907134	2	0	0	88.1	88.1	1	2065	3.25	500	77.3	0	-0.16	0	0	3.98	0	0	0	0	0	0	7	7
Inverters	S_12_3_I	370202	4907134	2	0	0	85.7	85.7	1	2065	3.25	1000	77.3	0	-1.62	0	0	7.55	0	0	0	0	0	0	2.5	2.5
Inverters	S_12_3_I	370202	4907134	2	0	0	90.6	90.6	1	2065	3.25	2000	77.3	0	-1.72	0	0	19.96	0	0	0	0	0	0	-4.92	-4.92
Inverters	S_12_3_I	370202	4907134	2	0	0	99	99	1	2065	3.25	4000	77.3	0	-1.72	0	0	67.68	0	0	0	0	0	0	-44.3	-44.3
Inverters	S_12_3_I	370202	4907134	2	0	0	86.3	86.3	1	2065	3.25	8000	77.3	0	-1.72	0	0	241.4	0	0	0	0	0	0	-230.7	-230.7
Inverters	S_25B_2_I	368982	4910180	2	0	0	59.8	59.8	1	2085	3.25	32	77.38	0	-5.72	0	0	0.07	0	0	0	0	0	0	-11.95	-11.95
Inverters	S_25B_2_I	368982	4910180	2	0	0	65.9	65.9	1	2085	3.25	63	77.38	0	-5.72	0	0	0.25	0	0	0	0	0	0	-6.01	-6.01
Inverters	S_25B_2_I	368982	4910180	2	0	0	73.6	73.6	1	2085	3.25	125	77.38	0	4.46	0	0	0.86	0	0	0	0	0	0	-9.07	-9.07
Inverters	S_25B_2_I	368982	4910180	2	0	0	82.6	82.6	1	2085	3.25	250	77.38	0	3.46	0	0	2.18	0	0	0	0	0	0	-0.37	-0.37
Inverters	S_25B_2_I	368982	4910180	2	0	0	88.1	88.1	1	2085	3.25	500	77.38	0	-0.16	0	0	4.02	0	0	0	0	0	0	6.88	6.88
Inverters	S_25B_2_I	368982	4910180	2	0	0	85.7	85.7	1	2085	3.25	1000	77.38	0	-1.62	0	0	7.63	0	0	0	0	0	0	2.35	2.35
Inverters	S_25B_2_I	368982	4910180	2	0	0	90.6	90.6	1	2085	3.25	2000	77.38	0	-1.72	0	0	20.15	0	0	0	0	0	0	-5.19	-5.19
Inverters	S_25B_2_I	368982	4910180	2	0	0	99	99	1	2085	3.25	4000	77.38	0	-1.72	0	0	68.33	0	0	0	0	0	0	-45.03	-45.03
Inverters	S_25B_2_I	368982	4910180	2	0	0	86.3	86.3	1	2085	3.25	8000	77.38	0	-1.72	0	0	243.7	0	0	0	0	0	0	-233.1	-233.1
Inverters	S_25A_1_I	369091	4910370	2	0	0	59.8	59.8	1	2298	3.25	32	78.23	0	-5.75	0	0	0.07	0	0	0	0	0	0	-12.78	-12.78
Inverters	S_25A_1_I	369091	4910370	2	0	0	65.9	65.9	1	2298	3.25	63	78.23	0	-5.75	0	0	0.28	0	0	0	0	0	0	-6.86	-6.86
Inverters	S_25A_1_I	369091	4910370	2	0	0	73.6	73.6	1	2298	3.25	125	78.23	0	4.46	0	0	0.94	0	0	0	0	0	0	-10	-10
Inverters	S_25A_1_I	369091	4910370	2	0	0	82.6	82.6	1	2298	3.25	250	78.23	0	3.45	0	0	2.4	0	0	0	0	0	0	-1.43	-1.43
Inverters	S_25A_1_I	369091	4910370	2	0	0	88.1	88.1	1	2298	3.25	500	78.23	0	-0.17	0	0	4.43	0	0	0	0	0	0	5.63	5.63
Inverters	S_25A_1_I	369091	4910370	2	0	0	85.7	85.7	1	2298	3.25	1000	78.23	0	-1.63	0	0	8.41	0	0	0	0	0	0	0.73	0.73

Inverters	S_25A_1_I	369091	4910370	2	0	0	90.6	90.6	1	2298	3.25	2000	78.23	0	-1.72	0	0	22.21	0	0	0	0	0	0	-8.09	-8.09
Inverters	S_25A_1_I	369091	4910370	2	0	0	99	99	1	2298	3.25	4000	78.23	0	-1.72	0	0	75.31	0	0	0	0	0	0	-52.85	-52.85
Inverters	S_25A_1_I	369091	4910370	2	0	0	86.3	86.3	1	2298	3.25	8000	78.23	0	-1.72	0	0	268.6	0	0	0	0	0	0	-258.8	-258.8
Inverters	S_25B_10_I	369045	4908605	2	0	0	69.6	69.6	1	762.2	3.25	125	68.64	0	3.94	0	0	0.31	0	0	0	0	0	0	-3.26	-3.26
Inverters	S_25B_10_I	369045	4908605	2	0	0	78.6	78.6	1	762.2	3.25	250	68.64	0	3.6	0	0	0.8	0	0	0	0	0	0	5.6	5.6
Inverters	S_25B_10_I	369045	4908605	2	0	0	82.1	82.1	1	762.2	3.25	500	68.64	0	-0.01	0	0	1.47	0	0	0	0	0	0	12.02	12.02
Inverters	S_25B_10_I	369045	4908605	2	0	0	75.7	75.7	1	762.2	3.25	1000	68.64	0	-1.47	0	0	2.79	0	0	0	0	0	0	5.78	5.78
Inverters	S_25B_10_I	369045	4908605	2	0	0	73.6	73.6	1	762.2	3.25	2000	68.64	0	-1.57	0	0	7.37	0	0	0	0	0	0	-0.81	-0.81
Inverters	S_25B_10_I	369045	4908605	2	0	0	87	87	1	762.2	3.25	4000	68.64	0	-1.57	0	0	24.98	0	0	0	0	0	0	-5.09	-5.09
Inverters	S_25A_2_I	369028	4910180	2	0	0	56.8	56.8	1	2098	3.25	32	77.44	0	-5.72	0	0	0.07	0	0	0	0	0	0	-15.01	-15.01
Inverters	S_25A_2_I	369028	4910180	2	0	0	62.9	62.9	1	2098	3.25	63	77.44	0	-5.72	0	0	0.26	0	0	0	0	0	0	-9.07	-9.07
Inverters	S_25A_2_I	369028	4910180	2	0	0	70.6	70.6	1	2098	3.25	125	77.44	0	4.46	0	0	0.86	0	0	0	0	0	0	-12.13	-12.13
Inverters	S_25A_2_I	369028	4910180	2	0	0	79.6	79.6	1	2098	3.25	250	77.44	0	3.46	0	0	2.19	0	0	0	0	0	0	-3.44	-3.44
Inverters	S_25A_2_I	369028	4910180	2	0	0	85.1	85.1	1	2098	3.25	500	77.44	0	-0.16	0	0	4.04	0	0	0	0	0	0	3.8	3.8
Inverters	S_25A_2_I	369028	4910180	2	0	0	82.7	82.7	1	2098	3.25	1000	77.44	0	-1.62	0	0	7.67	0	0	0	0	0	0	-0.75	-0.75
Inverters	S_25A_2_I	369028	4910180	2	0	0	87.6	87.6	1	2098	3.25	2000	77.44	0	-1.72	0	0	20.27	0	0	0	0	0	0	-8.37	-8.37
Inverters	S_25A_2_I	369028	4910180	2	0	0	96	96	1	2098	3.25	4000	77.44	0	-1.72	0	0	68.75	0	0	0	0	0	0	-48.51	-48.51
Inverters	S_25A_2_I	369028	4910180	2	0	0	83.3	83.3	1	2098	3.25	8000	77.44	0	-1.72	0	0	245.2	0	0	0	0	0	0	-237.7	-237.7
Inverters	S_25A_11_I	369174	4908481	2	0	0	69.6	69.6	1	817.3	3.25	125	69.25	0	4.07	0	0	0.34	0	0	0	0	0	0	-4.02	-4.02
Inverters	S_25A_11_I	369174	4908481	2	0	0	78.6	78.6	1	817.3	3.25	250	69.25	0	3.59	0	0	0.85	0	0	0	0	0	0	4.95	4.95
Inverters	S_25A_11_I	369174	4908481	2	0	0	82.1	82.1	1	817.3	3.25	500	69.25	0	-0.03	0	0	1.58	0	0	0	0	0	0	11.33	11.33
Inverters	S_25A_11_I	369174	4908481	2	0	0	75.7	75.7	1	817.3	3.25	1000	69.25	0	-1.49	0	0	2.99	0	0	0	0	0	0	4.99	4.99
Inverters	S_25A_11_I	369174	4908481	2	0	0	73.6	73.6	1	817.3	3.25	2000	69.25	0	-1.59	0	0	7.9	0	0	0	0	0	0	-1.93	-1.93
Inverters	S_25A_11_I	369174	4908481	2	0	0	87	87	1	817.3	3.25	4000	69.25	0	-1.59	0	0	26.78	0	0	0	0	0	0	-7.48	-7.48
Inverters	S_19_3_I	365821	4906637	2	0	0	59.8	59.8	1	3016	3.25	32	80.59	0	-5.81	0	0	0.1	0	0	0	0	0	0	-15.1	-15.1
Inverters	S_19_3_I	365821	4906637	2	0	0	65.9	65.9	1	3016	3.25	63	80.59	0	-5.81	0	0	0.37	0	0	0	0	0	0	-9.25	-9.25
Inverters	S_19_3_I	365821	4906637	2	0	0	73.6	73.6	1	3016	3.25	125	80.59	0	4.44	0	0	1.24	0	0	0	0	0	0	-12.64	-12.64
Inverters	S_19_3_I	365821	4906637	2	0	0	82.6	82.6	1	3016	3.25	250	80.59	0	3.43	0	0	3.15	0	0	0	0	0	0	-4.53	-4.53
Inverters	S_19_3_I	365821	4906637	2	0	0	88.1	88.1	1	3016	3.25	500	80.59	0	-0.18	0	0	5.82	0	0	0	0	0	0	1.9	1.9
Inverters	S_19_3_I	365821	4906637	2	0	0	85.7	85.7	1	3016	3.25	1000	80.59	0	-1.65	0	0	11.03	0	0	0	0	0	0	-4.24	-4.24
Inverters	S_19_3_I	365821	4906637	2	0	0	90.6	90.6	1	3016	3.25	2000	80.59	0	-1.74	0	0	29.15	0	0	0	0	0	0	-17.37	-17.37
Inverters	S_19_3_I	365821	4906637	2	0	0	99	99	1	3016	3.25	4000	80.59	0	-1.74	0	0	98.85	0	0	0	0	0	0	-78.73	-78.73
Inverters	S_19_3_I	365821	4906637	2	0	0	86.3	86.3	1	3016	3.25	8000	80.59	0	-1.74	0	0	352.6	0	0	0	0	0	0	-345.1	-345.1
Inverters	S_25A_10_I	369182	4908507	2	0	0	69.6	69.6	1	834.7	3.25	125	69.43	0	4.1	0	0	0.34	0	0	0	0	0	0	-4.24	-4.24
Inverters	S_25A_10_I	369182	4908507	2	0	0	78.6	78.6	1	834.7	3.25	250	69.43	0	3.58	0	0	0.87	0	0	0	0	0	0	4.76	4.76
Inverters	S_25A_10_I	369182	4908507	2	0	0	82.1	82.1	1	834.7	3.25	500	69.43	0	-0.03	0	0	1.61	0	0	0	0	0	0	11.11	11.11
Inverters	S_25A_10_I	369182	4908507	2	0	0	75.7	75.7	1	834.7	3.25	1000	69.43	0	-1.49	0	0	3.05	0	0	0	0	0	0	4.75	4.75
Inverters	S_25A_10_I	369182	4908507	2	0	0	73.6	73.6	1	834.7	3.25	2000	69.43	0	-1.59	0	0	8.07	0	0	0	0	0	0	-2.28	-2.28
Inverters	S_25A_10_I	369182	4908507	2	0	0	87	87	1	834.7	3.25	4000	69.43	0	-1.59	0	0	27.35	0	0	0	0	0	0	-8.23	-8.23
Inverters	S_25B_1_I	368975	4910359	2	0	0	56.8	56.8	1	2256	3.25	32	78.07	0	-5.74	0	0	0.07	0	0	0	0	0	0	-15.6	-15.6
Inverters	S_25B_1_I	368975	4910359	2	0	0	62.9	62.9	1	2256	3.25	63	78.07	0	-5.74	0	0	0.27	0	0	0	0	0	0	-9.7	-9.7
Inverters	S_25B_1_I	368975	4910359	2	0	0	70.6	70.6	1	2256	3.25	125	78.07	0	4.46	0	0	0.93	0	0	0	0	0	0	-12.85	-12.85
Inverters	S_25B_1_I	368975	4910359	2	0	0	79.6	79.6	1	2256	3.25	250	78.07	0	3.45	0	0	2.35	0	0	0	0	0	0	-4.27	-4.27
Inverters	S_25B_1_I	368975	4910359	2	0	0	85.1	85.1	1	2256	3.25	500	78.07	0	-0.16	0	0	4.35	0	0	0	0	0	0	2.85	2.85
Inverters	S_25B_1_I	368975	4910359	2	0	0	82.7	82.7	1	2256	3.25	1000	78.07	0	-1.63	0	0	8.25	0	0	0	0	0	0	-1.99	-1.99
Inverters	S_25B_1_I	368975	4910359	2	0	0	87.6	87.6	1	2256	3.25	2000	78.07	0	-1.72	0	0	21.8	0	0	0	0	0	0	-10.55	-10.55
Inverters	S_25B_1_I	368975	4910359	2	0	0	96	96	1	2256	3.25	4000	78.07	0	-1.72	0	0	73.93	0	0	0	0	0	0	-54.28	-54.28
Inverters	S_25B_1_I	368975	4910359	2	0	0	83.3	83.3	1	2256	3.25	8000	78.07	0	-1.72	0	0	263.7	0	0	0	0	0	0	-256.7	-256.7
Inverters	S_20_1_I	365584	4906625	2	0	0	59.8	59.8	1	3228	3.25	32	81.18	0	-5.82	0	0	0.1	0	0	0	0	0	0	-15.69	-15.69
Inverters	S_20_1_I	365584	4906625	2	0	0	65.9	65.9	1	3228	3.25	63	81.18	0	-5.82	0	0	0.39	0	0	0	0	0	0	-9.85	-9.85
Inverters	S_20_1_I	365584	4906625	2	0	0	73.6	73.6	1	3228	3.25	125	81.18	0	4.43	0	0	1.33	0	0	0	0	0	0	-13.31	-13.31
Inverters	S_20_1_I	365584	4906625	2	0	0	82.6	82.6	1	3228	3.25	250	81.18	0	3.43	0	0	3.37	0	0	0	0	0	0	-5.33	-5.33
Inverters	S_20_1_I	365584	4906625	2	0	0	88.1	88.1	1	3228	3.25	500	81.18	0	-0.19	0	0	6.22	0	0	0	0	0	0	0.91	0.91
Inverters	S_20_1_I	365584	4906625	2	0	0	85.7	85.7	1	3228	3.25	1000	81.18	0	-1.65	0	0	11.81	0	0	0	0	0	0	-5.6	-5.6
Inverters	S_20_1_I	365584	4906625	2	0	0	90.6	90.6	1	3228	3.25	2000	81.18	0	-1.75	0	0	31.2	0	0	0	0	0	0	-20.01	-20.01

Inverters	S_20_1_I	365584	4906625	2	0	0	99	99	1	3228	3.25	4000	81.18	0	-1.75	0	0	105.8	0	0	0	0	0	0	-86.26	-86.26
Inverters	S_20_1_I	365584	4906625	2	0	0	86.3	86.3	1	3228	3.25	8000	81.18	0	-1.75	0	0	377.3	0	0	0	0	0	0	-370.5	-370.5
Inverter Transformer	S_14A_9_T	368496	4907930	2	0	0	65.3	65.3	1	255.5	3.25	32	59.15	0	-3.71	0	0	0.01	0	0	0	0	0	0	9.85	9.85
Inverter Transformer	S_14A_9_T	368496	4907930	2	0	0	71.3	71.3	1	255.5	3.25	63	59.15	0	-3.71	0	0	0.03	0	0	0	0	0	0	15.83	15.83
Inverter Transformer	S_14A_9_T	368496	4907930	2	0	0	73.3	73.3	1	255.5	3.25	125	59.15	0	2.19	0	0	0.11	0	0	0	0	0	0	11.85	11.85
Inverter Transformer	S_14A_9_T	368496	4907930	2	0	0	68.3	68.3	1	255.5	3.25	250	59.15	0	4.03	0	0	0.27	0	0	0	0	0	0	4.86	4.86
Inverter Transformer	S_14A_9_T	368496	4907930	2	0	0	68.3	68.3	1	255.5	3.25	500	59.15	0	0.43	0	0	0.49	0	0	0	0	0	0	8.22	8.22
Inverter Transformer	S_14A_9_T	368496	4907930	2	0	0	62.3	62.3	1	255.5	3.25	1000	59.15	0	-1.02	0	0	0.93	0	0	0	0	0	0	3.23	3.23
Inverter Transformer	S_14A_9_T	368496	4907930	2	0	0	57.3	57.3	1	255.5	3.25	2000	59.15	0	-1.11	0	0	2.47	0	0	0	0	0	0	-3.21	-3.21
Inverter Transformer	S_14A_9_T	368496	4907930	2	0	0	52.3	52.3	1	255.5	3.25	4000	59.15	0	-1.11	0	0	8.37	0	0	0	0	0	0	-14.11	-14.11
Inverter Transformer	S_14A_9_T	368496	4907930	2	0	0	45.3	45.3	1	255.5	3.25	8000	59.15	0	-1.11	0	0	29.87	0	0	0	0	0	0	-42.6	-42.6
Inverters	S_14A_5_I	368656	4907147	2	0	0	69.6	69.6	1	1053	3.25	125	71.45	0	4.39	0	0	0.43	0	0	0	0	0	0	-6.65	-6.65
Inverters	S_14A_5_I	368656	4907147	2	0	0	78.6	78.6	1	1053	3.25	250	71.45	0	3.54	0	0	1.1	0	0	0	0	0	0	2.55	2.55
Inverters	S_14A_5_I	368656	4907147	2	0	0	82.1	82.1	1	1053	3.25	500	71.45	0	-0.08	0	0	2.03	0	0	0	0	0	0	8.71	8.71
Inverters	S_14A_5_I	368656	4907147	2	0	0	75.7	75.7	1	1053	3.25	1000	71.45	0	-1.54	0	0	3.85	0	0	0	0	0	0	1.97	1.97
Inverters	S_14A_5_I	368656	4907147	2	0	0	73.6	73.6	1	1053	3.25	2000	71.45	0	-1.63	0	0	10.18	0	0	0	0	0	0	-6.37	-6.37
Inverters	S_14A_5_I	368656	4907147	2	0	0	87	87	1	1053	3.25	4000	71.45	0	-1.63	0	0	34.52	0	0	0	0	0	0	-17.38	-17.38
Inverters	S_21_2_I	364717	4906166	2	0	0	59.8	59.8	1	4209	3.25	32	83.48	0	-5.86	0	0	0.13	0	0	0	0	0	0	-17.98	-17.98
Inverters	S_21_2_I	364717	4906166	2	0	0	65.9	65.9	1	4209	3.25	63	83.48	0	-5.86	0	0	0.51	0	0	0	0	0	0	-12.23	-12.23
Inverters	S_21_2_I	364717	4906166	2	0	0	73.6	73.6	1	4209	3.25	125	83.48	0	4.42	0	0	1.73	0	0	0	0	0	0	-16	-16
Inverters	S_21_2_I	364717	4906166	2	0	0	82.6	82.6	1	4209	3.25	250	83.48	0	3.41	0	0	4.39	0	0	0	0	0	0	-8.65	-8.65
Inverters	S_21_2_I	364717	4906166	2	0	0	88.1	88.1	1	4209	3.25	500	83.48	0	-0.2	0	0	8.11	0	0	0	0	0	0	-3.28	-3.28
Inverters	S_21_2_I	364717	4906166	2	0	0	85.7	85.7	1	4209	3.25	1000	83.48	0	-1.66	0	0	15.4	0	0	0	0	0	0	-11.48	-11.48
Inverters	S_21_2_I	364717	4906166	2	0	0	90.6	90.6	1	4209	3.25	2000	83.48	0	-1.76	0	0	40.68	0	0	0	0	0	0	-31.78	-31.78
Inverters	S_21_2_I	364717	4906166	2	0	0	99	99	1	4209	3.25	4000	83.48	0	-1.76	0	0	137.9	0	0	0	0	0	0	-120.7	-120.7
Inverters	S_21_2_I	364717	4906166	2	0	0	86.3	86.3	1	4209	3.25	8000	83.48	0	-1.76	0	0	492	0	0	0	0	0	0	-487.5	-487.5
Inverters	S_21_3_I	364759	4906066	2	0	0	59.8	59.8	1	4221	3.25	32	83.51	0	-5.86	0	0	0.14	0	0	0	0	0	0	-18.01	-18.01
Inverters	S_21_3_I	364759	4906066	2	0	0	65.9	65.9	1	4221	3.25	63	83.51	0	-5.86	0	0	0.51	0	0	0	0	0	0	-12.26	-12.26
Inverters	S_21_3_I	364759	4906066	2	0	0	73.6	73.6	1	4221	3.25	125	83.51	0	4.42	0	0	1.73	0	0	0	0	0	0	-16.03	-16.03
Inverters	S_21_3_I	364759	4906066	2	0	0	82.6	82.6	1	4221	3.25	250	83.51	0	3.41	0	0	4.4	0	0	0	0	0	0	-8.69	-8.69
Inverters	S_21_3_I	364759	4906066	2	0	0	88.1	88.1	1	4221	3.25	500	83.51	0	-0.2	0	0	8.14	0	0	0	0	0	0	-3.33	-3.33
Inverters	S_21_3_I	364759	4906066	2	0	0	85.7	85.7	1	4221	3.25	1000	83.51	0	-1.66	0	0	15.44	0	0	0	0	0	0	-11.55	-11.55
Inverters	S_21_3_I	364759	4906066	2	0	0	90.6	90.6	1	4221	3.25	2000	83.51	0	-1.76	0	0	40.8	0	0	0	0	0	0	-31.92	-31.92
Inverters	S_21_3_I	364759	4906066	2	0	0	99	99	1	4221	3.25	4000	83.51	0	-1.76	0	0	138.3	0	0	0	0	0	0	-121.1	-121.1
Inverters	S_21_3_I	364759	4906066	2	0	0	86.3	86.3	1	4221	3.25	8000	83.51	0	-1.76	0	0	493.4	0	0	0	0	0	0	-488.9	-488.9
Inverters	S_21_4_I	364821	4905922	2	0	0	59.8	59.8	1	4242	3.25	32	83.55	0	-5.86	0	0	0.14	0	0	0	0	0	0	-18.05	-18.05
Inverters	S_21_4_I	364821	4905922	2	0	0	65.9	65.9	1	4242	3.25	63	83.55	0	-5.86	0	0	0.52	0	0	0	0	0	0	-12.3	-12.3
Inverters	S_21_4_I	364821	4905922	2	0	0	73.6	73.6	1	4242	3.25	125	83.55	0	4.42	0	0	1.74	0	0	0	0	0	0	-16.09	-16.09
Inverters	S_21_4_I	364821	4905922	2	0	0	82.6	82.6	1	4242	3.25	250	83.55	0	3.41	0	0	4.43	0	0	0	0	0	0	-8.75	-8.75
Inverters	S_21_4_I	364821	4905922	2	0	0	88.1	88.1	1	4242	3.25	500	83.55	0	-0.2	0	0	8.18	0	0	0	0	0	0	-3.41	-3.41
Inverters	S_21_4_I	364821	4905922	2	0	0	85.7	85.7	1	4242	3.25	1000	83.55	0	-1.66	0	0	15.52	0	0	0	0	0	0	-11.67	-11.67
Inverters	S_21_4_I	364821	4905922	2	0	0	90.6	90.6	1	4242	3.25	2000	83.55	0	-1.76	0	0	41	0	0	0	0	0	0	-32.17	-32.17
Inverters	S_21_4_I	364821	4905922	2	0	0	99	99	1	4242	3.25	4000	83.55	0	-1.76	0	0	139	0	0	0	0	0	0	-121.9	-121.9
Inverters	S_21_4_I	364821	4905922	2	0	0	86.3	86.3	1	4242	3.25	8000	83.55	0	-1.76	0	0	495.9	0	0	0	0	0	0	-491.4	-491.4
Inverters	S_21_6_I	365008	4905559	2	0	0	59.8	59.8	1	4296	3.25	32	83.66	0	-5.86	0	0	0.14	0	0	0	0	0	0	-18.16	-18.16
Inverters	S_21_6_I	365008	4905559	2	0	0	65.9	65.9	1	4296	3.25	63	83.66	0	-5.86	0	0	0.52	0	0	0	0	0	0	-12.42	-12.42
Inverters	S_21_6_I	365008	4905559	2	0	0	73.6	73.6	1	4296	3.25	125	83.66	0	4.42	0	0	1.77	0	0	0	0	0	0	-16.22	-16.22
Inverters	S_21_6_I	365008	4905559	2	0	0	82.6	82.6	1	4296	3.25	250	83.66	0	3.41	0	0	4.48	0	0	0	0	0	0	-8.92	-8.92
Inverters	S_21_6_I	365008	4905559	2	0	0	88.1	88.1	1	4296	3.25	500	83.66	0	-0.2	0	0	8.28	0	0	0	0	0	0	-3.62	-3.62
Inverters	S_21_6_I	365008	4905559	2	0	0	85.7	85.7	1	4296	3.25	1000	83.66	0	-1.66	0	0	15.71	0	0	0	0	0	0	-11.97	-11.97
Inverters	S_21_6_I	365008	4905559	2	0	0	90.6	90.6	1	4296	3.25	2000	83.66	0	-1.76	0	0	41.51	0	0	0	0	0	0	-32.79	-32.79
Inverters	S_21_6_I	365008	4905559	2	0	0	99	99	1	4296	3.25	4000	83.66	0	-1.76	0	0	140.8	0	0	0	0	0	0	-123.7	-123.7
Inverters	S_21_6_I	365008	4905559	2	0	0	86.3	86.3	1	4296	3.25	8000	83.66	0	-1.76	0	0	502.1	0	0	0	0	0	0	-497.7	-497.7
Inverters	S_22_1_I	364678	4905894	2	0	0	59.8	59.8	1	4379	3.25	32	83.83	0	-5.87	0	0	0.14	0	0	0	0	0	0	-18.33	-18.33
Inverters	S_22_1_I	364678	4905894	2	0	0	65.9	65.9	1	4379	3.25	63	83.83	0	-5.87	0	0	0.53	0	0	0	0	0	0	-12.59	-12.59

Inverters	S_22_1_I	364678	4905894	2	0	0	73.6	73.6	1	4379	3.25	125	83.83	0	4.42	0	0	1.8	0	0	0	0	0	0	-16.41	-16.41
Inverters	S_22_1_I	364678	4905894	2	0	0	82.6	82.6	1	4379	3.25	250	83.83	0	3.41	0	0	4.57	0	0	0	0	0	0	-9.17	-9.17
Inverters	S_22_1_I	364678	4905894	2	0	0	88.1	88.1	1	4379	3.25	500	83.83	0	-0.2	0	0	8.44	0	0	0	0	0	0	-3.95	-3.95
Inverters	S_22_1_I	364678	4905894	2	0	0	85.7	85.7	1	4379	3.25	1000	83.83	0	-1.66	0	0	16.02	0	0	0	0	0	0	-12.44	-12.44
Inverters	S_22_1_I	364678	4905894	2	0	0	90.6	90.6	1	4379	3.25	2000	83.83	0	-1.76	0	0	42.32	0	0	0	0	0	0	-33.76	-33.76
Inverters	S_22_1_I	364678	4905894	2	0	0	99	99	1	4379	3.25	4000	83.83	0	-1.76	0	0	143.5	0	0	0	0	0	0	-126.6	-126.6
Inverters	S_22_1_I	364678	4905894	2	0	0	86.3	86.3	1	4379	3.25	8000	83.83	0	-1.76	0	0	511.8	0	0	0	0	0	0	-507.6	-507.6
Inverters	S_21_7_I	365035	4905378	2	0	0	59.8	59.8	1	4387	3.25	32	83.84	0	-5.87	0	0	0.14	0	0	0	0	0	0	-18.34	-18.34
Inverters	S_21_7_I	365035	4905378	2	0	0	65.9	65.9	1	4387	3.25	63	83.84	0	-5.87	0	0	0.53	0	0	0	0	0	0	-12.61	-12.61
Inverters	S_21_7_I	365035	4905378	2	0	0	73.6	73.6	1	4387	3.25	125	83.84	0	4.42	0	0	1.8	0	0	0	0	0	0	-16.44	-16.44
Inverters	S_21_7_I	365035	4905378	2	0	0	82.6	82.6	1	4387	3.25	250	83.84	0	3.41	0	0	4.58	0	0	0	0	0	0	-9.19	-9.19
Inverters	S_21_7_I	365035	4905378	2	0	0	88.1	88.1	1	4387	3.25	500	83.84	0	-0.2	0	0	8.46	0	0	0	0	0	0	-3.98	-3.98
Inverters	S_21_7_I	365035	4905378	2	0	0	85.7	85.7	1	4387	3.25	1000	83.84	0	-1.66	0	0	16.05	0	0	0	0	0	0	-12.49	-12.49
Inverters	S_21_7_I	365035	4905378	2	0	0	90.6	90.6	1	4387	3.25	2000	83.84	0	-1.76	0	0	42.4	0	0	0	0	0	0	-33.86	-33.86
Inverters	S_21_7_I	365035	4905378	2	0	0	99	99	1	4387	3.25	4000	83.84	0	-1.76	0	0	143.8	0	0	0	0	0	0	-126.9	-126.9
Inverters	S_21_7_I	365035	4905378	2	0	0	86.3	86.3	1	4387	3.25	8000	83.84	0	-1.76	0	0	512.8	0	0	0	0	0	0	-508.6	-508.6
Inverters	S_19_5_I	365801	4906394	2	0	0	56.8	56.8	1	3164	3.25	32	81	0	-5.82	0	0	0.1	0	0	0	0	0	0	-18.51	-18.51
Inverters	S_19_5_I	365801	4906394	2	0	0	62.9	62.9	1	3164	3.25	63	81	0	-5.82	0	0	0.39	0	0	0	0	0	0	-12.67	-12.67
Inverters	S_19_5_I	365801	4906394	2	0	0	70.6	70.6	1	3164	3.25	125	81	0	4.44	0	0	1.3	0	0	0	0	0	0	-16.11	-16.11
Inverters	S_19_5_I	365801	4906394	2	0	0	79.6	79.6	1	3164	3.25	250	81	0	3.43	0	0	3.3	0	0	0	0	0	0	-8.09	-8.09
Inverters	S_19_5_I	365801	4906394	2	0	0	85.1	85.1	1	3164	3.25	500	81	0	-0.19	0	0	6.1	0	0	0	0	0	0	-1.79	-1.79
Inverters	S_19_5_I	365801	4906394	2	0	0	82.7	82.7	1	3164	3.25	1000	81	0	-1.65	0	0	11.57	0	0	0	0	0	0	-8.19	-8.19
Inverters	S_19_5_I	365801	4906394	2	0	0	87.6	87.6	1	3164	3.25	2000	81	0	-1.74	0	0	30.57	0	0	0	0	0	0	-22.21	-22.21
Inverters	S_19_5_I	365801	4906394	2	0	0	96	96	1	3164	3.25	4000	81	0	-1.74	0	0	103.7	0	0	0	0	0	0	-86.97	-86.97
Inverters	S_19_5_I	365801	4906394	2	0	0	83.3	83.3	1	3164	3.25	8000	81	0	-1.74	0	0	369.8	0	0	0	0	0	0	-365.8	-365.8
Inverters	S_24_2_I	365168	4905045	2	0	0	59.8	59.8	1	4510	3.25	32	84.08	0	-5.87	0	0	0.14	0	0	0	0	0	0	-18.58	-18.58
Inverters	S_24_2_I	365168	4905045	2	0	0	65.9	65.9	1	4510	3.25	63	84.08	0	-5.87	0	0	0.55	0	0	0	0	0	0	-12.86	-12.86
Inverters	S_24_2_I	365168	4905045	2	0	0	73.6	73.6	1	4510	3.25	125	84.08	0	4.42	0	0	1.85	0	0	0	0	0	0	-16.72	-16.72
Inverters	S_24_2_I	365168	4905045	2	0	0	82.6	82.6	1	4510	3.25	250	84.08	0	3.41	0	0	4.71	0	0	0	0	0	0	-9.56	-9.56
Inverters	S_24_2_I	365168	4905045	2	0	0	88.1	88.1	1	4510	3.25	500	84.08	0	-0.2	0	0	8.69	0	0	0	0	0	0	-4.45	-4.45
Inverters	S_24_2_I	365168	4905045	2	0	0	85.7	85.7	1	4510	3.25	1000	84.08	0	-1.67	0	0	16.5	0	0	0	0	0	0	-13.18	-13.18
Inverters	S_24_2_I	365168	4905045	2	0	0	90.6	90.6	1	4510	3.25	2000	84.08	0	-1.76	0	0	43.58	0	0	0	0	0	0	-35.28	-35.28
Inverters	S_24_2_I	365168	4905045	2	0	0	99	99	1	4510	3.25	4000	84.08	0	-1.76	0	0	147.8	0	0	0	0	0	0	-131.2	-131.2
Inverters	S_24_2_I	365168	4905045	2	0	0	86.3	86.3	1	4510	3.25	8000	84.08	0	-1.76	0	0	527.1	0	0	0	0	0	0	-523.2	-523.2
Inverters	S_23_2_I	364481	4905840	2	0	0	59.8	59.8	1	4575	3.25	32	84.21	0	-5.87	0	0	0.15	0	0	0	0	0	0	-18.71	-18.71
Inverters	S_23_2_I	364481	4905840	2	0	0	65.9	65.9	1	4575	3.25	63	84.21	0	-5.87	0	0	0.56	0	0	0	0	0	0	-12.99	-12.99
Inverters	S_23_2_I	364481	4905840	2	0	0	73.6	73.6	1	4575	3.25	125	84.21	0	4.42	0	0	1.88	0	0	0	0	0	0	-16.88	-16.88
Inverters	S_23_2_I	364481	4905840	2	0	0	82.6	82.6	1	4575	3.25	250	84.21	0	3.41	0	0	4.77	0	0	0	0	0	0	-9.75	-9.75
Inverters	S_23_2_I	364481	4905840	2	0	0	88.1	88.1	1	4575	3.25	500	84.21	0	-0.2	0	0	8.82	0	0	0	0	0	0	-4.7	-4.7
Inverters	S_23_2_I	364481	4905840	2	0	0	85.7	85.7	1	4575	3.25	1000	84.21	0	-1.67	0	0	16.74	0	0	0	0	0	0	-13.54	-13.54
Inverters	S_23_2_I	364481	4905840	2	0	0	90.6	90.6	1	4575	3.25	2000	84.21	0	-1.76	0	0	44.22	0	0	0	0	0	0	-36.04	-36.04
Inverters	S_23_2_I	364481	4905840	2	0	0	99	99	1	4575	3.25	4000	84.21	0	-1.76	0	0	149.9	0	0	0	0	0	0	-133.4	-133.4
Inverters	S_23_2_I	364481	4905840	2	0	0	86.3	86.3	1	4575	3.25	8000	84.21	0	-1.76	0	0	534.8	0	0	0	0	0	0	-531	-531
Inverter Transformer	S_14A_10_T	368157	4907974	2	0	0	65.3	65.3	1	327.4	3.25	32	61.3	0	-4.21	0	0	0.01	0	0	0	0	0	0	8.2	8.2
Inverter Transformer	S_14A_10_T	368157	4907974	2	0	0	71.3	71.3	1	327.4	3.25	63	61.3	0	-4.21	0	0	0.04	0	0	0	0	0	0	14.17	14.17
Inverter Transformer	S_14A_10_T	368157	4907974	2	0	0	73.3	73.3	1	327.4	3.25	125	61.3	0	2.37	0	0	0.13	0	0	0	0	0	0	9.49	9.49
Inverter Transformer	S_14A_10_T	368157	4907974	2	0	0	68.3	68.3	1	327.4	3.25	250	61.3	0	3.9	0	0	0.34	0	0	0	0	0	0	2.75	2.75
Inverter Transformer	S_14A_10_T	368157	4907974	2	0	0	68.3	68.3	1	327.4	3.25	500	61.3	0	0.29	0	0	0.63	0	0	0	0	0	0	6.08	6.08
Inverter Transformer	S_14A_10_T	368157	4907974	2	0	0	62.3	62.3	1	327.4	3.25	1000	61.3	0	-1.17	0	0	1.2	0	0	0	0	0	0	0.97	0.97
Inverter Transformer	S_14A_10_T	368157	4907974	2	0	0	57.3	57.3	1	327.4	3.25	2000	61.3	0	-1.26	0	0	3.16	0	0	0	0	0	0	-5.9	-5.9
Inverter Transformer	S_14A_10_T	368157	4907974	2	0	0	52.3	52.3	1	327.4	3.25	4000	61.3	0	-1.26	0	0	10.73	0	0	0	0	0	0	-18.47	-18.47
Inverter Transformer	S_14A_10_T	368157	4907974	2	0	0	45.3	45.3	1	327.4	3.25	8000	61.3	0	-1.26	0	0	38.27	0	0	0	0	0	0	-53.01	-53.01
Inverters	S_23_3_I	364566	4905641	2	0	0	59.8	59.8	1	4609	3.25	32	84.27	0	-5.87	0	0	0.15	0	0	0	0	0	0	-18.77	-18.77
Inverters	S_23_3_I	364566	4905641	2	0	0	65.9	65.9	1	4609	3.25	63	84.27	0	-5.87	0	0	0.56	0	0	0	0	0	0	-13.06	-13.06
Inverters	S_23_3_I	364566	4905641	2	0	0	73.6	73.6	1	4609	3.25	125	84.27	0	4.42	0	0	1.89	0	0	0	0	0	0	-16.95	-16.95

Inverters	S_23_3_I	364566	4905641	2	0	0	82.6	82.6	1	4609	3.25	250	84.27	0	3.41	0	0	4.81	0	0	0	0	0	0	-9.85	-9.85
Inverters	S_23_3_I	364566	4905641	2	0	0	88.1	88.1	1	4609	3.25	500	84.27	0	-0.2	0	0	8.89	0	0	0	0	0	0	-4.83	-4.83
Inverters	S_23_3_I	364566	4905641	2	0	0	85.7	85.7	1	4609	3.25	1000	84.27	0	-1.67	0	0	16.86	0	0	0	0	0	0	-13.73	-13.73
Inverters	S_23_3_I	364566	4905641	2	0	0	90.6	90.6	1	4609	3.25	2000	84.27	0	-1.76	0	0	44.54	0	0	0	0	0	0	-36.42	-36.42
Inverters	S_23_3_I	364566	4905641	2	0	0	99	99	1	4609	3.25	4000	84.27	0	-1.76	0	0	151	0	0	0	0	0	0	-134.6	-134.6
Inverters	S_23_3_I	364566	4905641	2	0	0	86.3	86.3	1	4609	3.25	8000	84.27	0	-1.76	0	0	538.7	0	0	0	0	0	0	-534.9	-534.9
Inverters	S_23_4_I	364662	4905414	2	0	0	59.8	59.8	1	4660	3.25	32	84.37	0	-5.87	0	0	0.15	0	0	0	0	0	0	-18.87	-18.87
Inverters	S_23_4_I	364662	4905414	2	0	0	65.9	65.9	1	4660	3.25	63	84.37	0	-5.87	0	0	0.57	0	0	0	0	0	0	-13.16	-13.16
Inverters	S_23_4_I	364662	4905414	2	0	0	73.6	73.6	1	4660	3.25	125	84.37	0	4.42	0	0	1.91	0	0	0	0	0	0	-17.07	-17.07
Inverters	S_23_4_I	364662	4905414	2	0	0	82.6	82.6	1	4660	3.25	250	84.37	0	3.41	0	0	4.86	0	0	0	0	0	0	-10	-10
Inverters	S_23_4_I	364662	4905414	2	0	0	88.1	88.1	1	4660	3.25	500	84.37	0	-0.21	0	0	8.98	0	0	0	0	0	0	-5.02	-5.02
Inverters	S_23_4_I	364662	4905414	2	0	0	85.7	85.7	1	4660	3.25	1000	84.37	0	-1.67	0	0	17.04	0	0	0	0	0	0	-14.01	-14.01
Inverters	S_23_4_I	364662	4905414	2	0	0	90.6	90.6	1	4660	3.25	2000	84.37	0	-1.76	0	0	45.03	0	0	0	0	0	0	-37.01	-37.01
Inverters	S_23_4_I	364662	4905414	2	0	0	99	99	1	4660	3.25	4000	84.37	0	-1.76	0	0	152.7	0	0	0	0	0	0	-136.3	-136.3
Inverters	S_23_4_I	364662	4905414	2	0	0	86.3	86.3	1	4660	3.25	8000	84.37	0	-1.76	0	0	544.6	0	0	0	0	0	0	-541	-541
Inverter Transformer	S_14A_11_T	368331	4907840	2	0	0	65.3	65.3	1	343.9	3.25	32	61.73	0	-4.3	0	0	0.01	0	0	0	0	0	0	7.86	7.86
Inverter Transformer	S_14A_11_T	368331	4907840	2	0	0	71.3	71.3	1	343.9	3.25	63	61.73	0	-4.3	0	0	0.04	0	0	0	0	0	0	13.83	13.83
Inverter Transformer	S_14A_11_T	368331	4907840	2	0	0	73.3	73.3	1	343.9	3.25	125	61.73	0	2.43	0	0	0.14	0	0	0	0	0	0	9	9
Inverter Transformer	S_14A_11_T	368331	4907840	2	0	0	68.3	68.3	1	343.9	3.25	250	61.73	0	3.88	0	0	0.36	0	0	0	0	0	0	2.33	2.33
Inverter Transformer	S_14A_11_T	368331	4907840	2	0	0	68.3	68.3	1	343.9	3.25	500	61.73	0	0.27	0	0	0.66	0	0	0	0	0	0	5.64	5.64
Inverter Transformer	S_14A_11_T	368331	4907840	2	0	0	62.3	62.3	1	343.9	3.25	1000	61.73	0	-1.19	0	0	1.26	0	0	0	0	0	0	0.51	0.51
Inverter Transformer	S_14A_11_T	368331	4907840	2	0	0	57.3	57.3	1	343.9	3.25	2000	61.73	0	-1.29	0	0	3.32	0	0	0	0	0	0	-6.46	-6.46
Inverter Transformer	S_14A_11_T	368331	4907840	2	0	0	52.3	52.3	1	343.9	3.25	4000	61.73	0	-1.29	0	0	11.27	0	0	0	0	0	0	-19.41	-19.41
Inverter Transformer	S_14A_11_T	368331	4907840	2	0	0	45.3	45.3	1	343.9	3.25	8000	61.73	0	-1.29	0	0	40.2	0	0	0	0	0	0	-55.34	-55.34
Inverter Transformer	S_14A_1_T	368664	4907930	2	0	0	65.3	65.3	1	346.5	3.25	32	61.79	0	-4.31	0	0	0.01	0	0	0	0	0	0	7.81	7.81
Inverter Transformer	S_14A_1_T	368664	4907930	2	0	0	71.3	71.3	1	346.5	3.25	63	61.79	0	-4.31	0	0	0.04	0	0	0	0	0	0	13.78	13.78
Inverter Transformer	S_14A_1_T	368664	4907930	2	0	0	73.3	73.3	1	346.5	3.25	125	61.79	0	2.43	0	0	0.14	0	0	0	0	0	0	8.93	8.93
Inverter Transformer	S_14A_1_T	368664	4907930	2	0	0	68.3	68.3	1	346.5	3.25	250	61.79	0	3.87	0	0	0.36	0	0	0	0	0	0	2.27	2.27
Inverter Transformer	S_14A_1_T	368664	4907930	2	0	0	68.3	68.3	1	346.5	3.25	500	61.79	0	0.26	0	0	0.67	0	0	0	0	0	0	5.58	5.58
Inverter Transformer	S_14A_1_T	368664	4907930	2	0	0	62.3	62.3	1	346.5	3.25	1000	61.79	0	-1.2	0	0	1.27	0	0	0	0	0	0	0.44	0.44
Inverter Transformer	S_14A_1_T	368664	4907930	2	0	0	57.3	57.3	1	346.5	3.25	2000	61.79	0	-1.29	0	0	3.35	0	0	0	0	0	0	-6.55	-6.55
Inverter Transformer	S_14A_1_T	368664	4907930	2	0	0	52.3	52.3	1	346.5	3.25	4000	61.79	0	-1.29	0	0	11.35	0	0	0	0	0	0	-19.56	-19.56
Inverter Transformer	S_14A_1_T	368664	4907930	2	0	0	45.3	45.3	1	346.5	3.25	8000	61.79	0	-1.29	0	0	40.5	0	0	0	0	0	0	-55.7	-55.7
Inverters	S_21_1_I	364686	4906355	2	0	0	56.8	56.8	1	4150	3.25	32	83.36	0	-5.86	0	0	0.13	0	0	0	0	0	0	-20.86	-20.86
Inverters	S_21_1_I	364686	4906355	2	0	0	62.9	62.9	1	4150	3.25	63	83.36	0	-5.86	0	0	0.51	0	0	0	0	0	0	-15.1	-15.1
Inverters	S_21_1_I	364686	4906355	2	0	0	70.6	70.6	1	4150	3.25	125	83.36	0	4.42	0	0	1.71	0	0	0	0	0	0	-18.86	-18.86
Inverters	S_21_1_I	364686	4906355	2	0	0	79.6	79.6	1	4150	3.25	250	83.36	0	3.42	0	0	4.33	0	0	0	0	0	0	-11.47	-11.47
Inverters	S_21_1_I	364686	4906355	2	0	0	85.1	85.1	1	4150	3.25	500	83.36	0	-0.2	0	0	8	0	0	0	0	0	0	-6.04	-6.04
Inverters	S_21_1_I	364686	4906355	2	0	0	82.7	82.7	1	4150	3.25	1000	83.36	0	-1.66	0	0	15.18	0	0	0	0	0	0	-14.14	-14.14
Inverters	S_21_1_I	364686	4906355	2	0	0	87.6	87.6	1	4150	3.25	2000	83.36	0	-1.76	0	0	40.11	0	0	0	0	0	0	-34.09	-34.09
Inverters	S_21_1_I	364686	4906355	2	0	0	96	96	1	4150	3.25	4000	83.36	0	-1.76	0	0	136	0	0	0	0	0	0	-121.7	-121.7
Inverters	S_21_1_I	364686	4906355	2	0	0	83.3	83.3	1	4150	3.25	8000	83.36	0	-1.76	0	0	485.1	0	0	0	0	0	0	-483.4	-483.4
Inverter Transformer	S_14B_1_T	368163	4907839	2	0	0	65.3	65.3	1	419.6	3.25	32	63.46	0	-4.61	0	0	0.01	0	0	0	0	0	0	6.44	6.44
Inverter Transformer	S_14B_1_T	368163	4907839	2	0	0	71.3	71.3	1	419.6	3.25	63	63.46	0	-4.61	0	0	0.05	0	0	0	0	0	0	12.4	12.4
Inverter Transformer	S_14B_1_T	368163	4907839	2	0	0	73.3	73.3	1	419.6	3.25	125	63.46	0	2.7	0	0	0.17	0	0	0	0	0	0	6.97	6.97
Inverter Transformer	S_14B_1_T	368163	4907839	2	0	0	68.3	68.3	1	419.6	3.25	250	63.46	0	3.79	0	0	0.44	0	0	0	0	0	0	0.62	0.62
Inverter Transformer	S_14B_1_T	368163	4907839	2	0	0	68.3	68.3	1	419.6	3.25	500	63.46	0	0.18	0	0	0.81	0	0	0	0	0	0	3.86	3.86
Inverter Transformer	S_14B_1_T	368163	4907839	2	0	0	62.3	62.3	1	419.6	3.25	1000	63.46	0	-1.29	0	0	1.53	0	0	0	0	0	0	-1.41	-1.41
Inverter Transformer	S_14B_1_T	368163	4907839	2	0	0	57.3	57.3	1	419.6	3.25	2000	63.46	0	-1.38	0	0	4.06	0	0	0	0	0	0	-8.83	-8.83
Inverter Transformer	S_14B_1_T	368163	4907839	2	0	0	52.3	52.3	1	419.6	3.25	4000	63.46	0	-1.38	0	0	13.75	0	0	0	0	0	0	-23.53	-23.53
Inverter Transformer	S_14B_1_T	368163	4907839	2	0	0	45.3	45.3	1	419.6	3.25	8000	63.46	0	-1.38	0	0	49.05	0	0	0	0	0	0	-65.82	-65.82
Inverters	S_21_5_I	364930	4905785	2	0	0	56.8	56.8	1	4226	3.25	32	83.52	0	-5.86	0	0	0.14	0	0	0	0	0	0	-21.02	-21.02
Inverters	S_21_5_I	364930	4905785	2	0	0	62.9	62.9	1	4226	3.25	63	83.52	0	-5.86	0	0	0.51	0	0	0	0	0	0	-15.27	-15.27
Inverters	S_21_5_I	364930	4905785	2	0	0	70.6	70.6	1	4226	3.25	125	83.52	0	4.42	0	0	1.74	0	0	0	0	0	0	-19.05	-19.05
Inverters	S_21_5_I	364930	4905785	2	0	0	79.6	79.6	1	4226	3.25	250	83.52	0	3.41	0	0	4.41	0	0	0	0	0	0	-11.7	-11.7

Inverters	S_21_5_I	364930	4905785	2	0	0	85.1	85.1	1	4226	3.25	500	83.52	0	-0.2	0	0	8.15	0	0	0	0	0	0	-6.35	-6.35
Inverters	S_21_5_I	364930	4905785	2	0	0	82.7	82.7	1	4226	3.25	1000	83.52	0	-1.66	0	0	15.46	0	0	0	0	0	0	-14.58	-14.58
Inverters	S_21_5_I	364930	4905785	2	0	0	87.6	87.6	1	4226	3.25	2000	83.52	0	-1.76	0	0	40.84	0	0	0	0	0	0	-34.98	-34.98
Inverters	S_21_5_I	364930	4905785	2	0	0	96	96	1	4226	3.25	4000	83.52	0	-1.76	0	0	138.5	0	0	0	0	0	0	-124.3	-124.3
Inverters	S_21_5_I	364930	4905785	2	0	0	83.3	83.3	1	4226	3.25	8000	83.52	0	-1.76	0	0	494	0	0	0	0	0	0	-492.5	-492.5
Inverters	S_22_2_I	364782	4905647	2	0	0	56.8	56.8	1	4427	3.25	32	83.92	0	-5.87	0	0	0.14	0	0	0	0	0	0	-21.42	-21.42
Inverters	S_22_2_I	364782	4905647	2	0	0	62.9	62.9	1	4427	3.25	63	83.92	0	-5.87	0	0	0.54	0	0	0	0	0	0	-15.69	-15.69
Inverters	S_22_2_I	364782	4905647	2	0	0	70.6	70.6	1	4427	3.25	125	83.92	0	4.42	0	0	1.82	0	0	0	0	0	0	-19.53	-19.53
Inverters	S_22_2_I	364782	4905647	2	0	0	79.6	79.6	1	4427	3.25	250	83.92	0	3.41	0	0	4.62	0	0	0	0	0	0	-12.31	-12.31
Inverters	S_22_2_I	364782	4905647	2	0	0	85.1	85.1	1	4427	3.25	500	83.92	0	-0.2	0	0	8.53	0	0	0	0	0	0	-7.13	-7.13
Inverters	S_22_2_I	364782	4905647	2	0	0	82.7	82.7	1	4427	3.25	1000	83.92	0	-1.66	0	0	16.19	0	0	0	0	0	0	-15.71	-15.71
Inverters	S_22_2_I	364782	4905647	2	0	0	87.6	87.6	1	4427	3.25	2000	83.92	0	-1.76	0	0	42.78	0	0	0	0	0	0	-37.31	-37.31
Inverters	S_22_2_I	364782	4905647	2	0	0	96	96	1	4427	3.25	4000	83.92	0	-1.76	0	0	145.1	0	0	0	0	0	0	-131.3	-131.3
Inverters	S_22_2_I	364782	4905647	2	0	0	83.3	83.3	1	4427	3.25	8000	83.92	0	-1.76	0	0	517.4	0	0	0	0	0	0	-516.3	-516.3
Inverters	S_23_5_I	364735	4905244	2	0	0	56.8	56.8	1	4705	3.25	32	84.45	0	-5.88	0	0	0.15	0	0	0	0	0	0	-21.95	-21.95
Inverters	S_23_5_I	364735	4905244	2	0	0	62.9	62.9	1	4705	3.25	63	84.45	0	-5.88	0	0	0.57	0	0	0	0	0	0	-16.24	-16.24
Inverters	S_23_5_I	364735	4905244	2	0	0	70.6	70.6	1	4705	3.25	125	84.45	0	4.42	0	0	1.93	0	0	0	0	0	0	-20.17	-20.17
Inverters	S_23_5_I	364735	4905244	2	0	0	79.6	79.6	1	4705	3.25	250	84.45	0	3.41	0	0	4.91	0	0	0	0	0	0	-13.13	-13.13
Inverters	S_23_5_I	364735	4905244	2	0	0	85.1	85.1	1	4705	3.25	500	84.45	0	-0.21	0	0	9.07	0	0	0	0	0	0	-8.2	-8.2
Inverters	S_23_5_I	364735	4905244	2	0	0	82.7	82.7	1	4705	3.25	1000	84.45	0	-1.67	0	0	17.21	0	0	0	0	0	0	-17.26	-17.26
Inverters	S_23_5_I	364735	4905244	2	0	0	87.6	87.6	1	4705	3.25	2000	84.45	0	-1.76	0	0	45.47	0	0	0	0	0	0	-40.53	-40.53
Inverters	S_23_5_I	364735	4905244	2	0	0	96	96	1	4705	3.25	4000	84.45	0	-1.76	0	0	154.2	0	0	0	0	0	0	-140.9	-140.9
Inverters	S_23_5_I	364735	4905244	2	0	0	83.3	83.3	1	4705	3.25	8000	84.45	0	-1.76	0	0	549.9	0	0	0	0	0	0	-549.3	-549.3
Inverter Transformer	S_14A_8_T	368505	4907704	2	0	0	65.3	65.3	1	477.2	3.25	32	64.57	0	-4.77	0	0	0.02	0	0	0	0	0	0	5.48	5.48
Inverter Transformer	S_14A_8_T	368505	4907704	2	0	0	71.3	71.3	1	477.2	3.25	63	64.57	0	-4.77	0	0	0.06	0	0	0	0	0	0	11.44	11.44
Inverter Transformer	S_14A_8_T	368505	4907704	2	0	0	73.3	73.3	1	477.2	3.25	125	64.57	0	2.94	0	0	0.2	0	0	0	0	0	0	5.6	5.6
Inverter Transformer	S_14A_8_T	368505	4907704	2	0	0	68.3	68.3	1	477.2	3.25	250	64.57	0	3.74	0	0	0.5	0	0	0	0	0	0	-0.51	-0.51
Inverter Transformer	S_14A_8_T	368505	4907704	2	0	0	68.3	68.3	1	477.2	3.25	500	64.57	0	0.12	0	0	0.92	0	0	0	0	0	0	2.68	2.68
Inverter Transformer	S_14A_8_T	368505	4907704	2	0	0	62.3	62.3	1	477.2	3.25	1000	64.57	0	-1.34	0	0	1.75	0	0	0	0	0	0	-2.68	-2.68
Inverter Transformer	S_14A_8_T	368505	4907704	2	0	0	57.3	57.3	1	477.2	3.25	2000	64.57	0	-1.43	0	0	4.61	0	0	0	0	0	0	-10.45	-10.45
Inverter Transformer	S_14A_8_T	368505	4907704	2	0	0	52.3	52.3	1	477.2	3.25	4000	64.57	0	-1.43	0	0	15.64	0	0	0	0	0	0	-26.48	-26.48
Inverter Transformer	S_14A_8_T	368505	4907704	2	0	0	45.3	45.3	1	477.2	3.25	8000	64.57	0	-1.43	0	0	55.78	0	0	0	0	0	0	-73.62	-73.62
Inverter Transformer	S_14A_12_T	368338	4907668	2	0	0	65.3	65.3	1	511.2	3.25	32	65.17	0	-4.86	0	0	0.02	0	0	0	0	0	0	4.97	4.97
Inverter Transformer	S_14A_12_T	368338	4907668	2	0	0	71.3	71.3	1	511.2	3.25	63	65.17	0	-4.86	0	0	0.06	0	0	0	0	0	0	10.92	10.92
Inverter Transformer	S_14A_12_T	368338	4907668	2	0	0	73.3	73.3	1	511.2	3.25	125	65.17	0	3.07	0	0	0.21	0	0	0	0	0	0	4.85	4.85
Inverter Transformer	S_14A_12_T	368338	4907668	2	0	0	68.3	68.3	1	511.2	3.25	250	65.17	0	3.72	0	0	0.53	0	0	0	0	0	0	-1.12	-1.12
Inverter Transformer	S_14A_12_T	368338	4907668	2	0	0	68.3	68.3	1	511.2	3.25	500	65.17	0	0.1	0	0	0.99	0	0	0	0	0	0	2.04	2.04
Inverter Transformer	S_14A_12_T	368338	4907668	2	0	0	62.3	62.3	1	511.2	3.25	1000	65.17	0	-1.36	0	0	1.87	0	0	0	0	0	0	-3.38	-3.38
Inverter Transformer	S_14A_12_T	368338	4907668	2	0	0	57.3	57.3	1	511.2	3.25	2000	65.17	0	-1.46	0	0	4.94	0	0	0	0	0	0	-11.35	-11.35
Inverter Transformer	S_14A_12_T	368338	4907668	2	0	0	52.3	52.3	1	511.2	3.25	4000	65.17	0	-1.46	0	0	16.75	0	0	0	0	0	0	-28.16	-28.16
Inverter Transformer	S_14A_12_T	368338	4907668	2	0	0	45.3	45.3	1	511.2	3.25	8000	65.17	0	-1.46	0	0	59.74	0	0	0	0	0	0	-78.16	-78.16
Inverter Transformer	S_14A_2_T	368673	4907713	2	0	0	65.3	65.3	1	526.4	3.25	32	65.43	0	-4.89	0	0	0.02	0	0	0	0	0	0	4.74	4.74
Inverter Transformer	S_14A_2_T	368673	4907713	2	0	0	71.3	71.3	1	526.4	3.25	63	65.43	0	-4.89	0	0	0.06	0	0	0	0	0	0	10.7	10.7
Inverter Transformer	S_14A_2_T	368673	4907713	2	0	0	73.3	73.3	1	526.4	3.25	125	65.43	0	3.13	0	0	0.22	0	0	0	0	0	0	4.52	4.52
Inverter Transformer	S_14A_2_T	368673	4907713	2	0	0	68.3	68.3	1	526.4	3.25	250	65.43	0	3.71	0	0	0.55	0	0	0	0	0	0	-1.38	-1.38
Inverter Transformer	S_14A_2_T	368673	4907713	2	0	0	68.3	68.3	1	526.4	3.25	500	65.43	0	0.09	0	0	1.01	0	0	0	0	0	0	1.77	1.77
Inverter Transformer	S_14A_2_T	368673	4907713	2	0	0	62.3	62.3	1	526.4	3.25	1000	65.43	0	-1.37	0	0	1.93	0	0	0	0	0	0	-3.68	-3.68
Inverter Transformer	S_14A_2_T	368673	4907713	2	0	0	57.3	57.3	1	526.4	3.25	2000	65.43	0	-1.47	0	0	5.09	0	0	0	0	0	0	-11.75	-11.75
Inverter Transformer	S_14A_2_T	368673	4907713	2	0	0	52.3	52.3	1	526.4	3.25	4000	65.43	0	-1.47	0	0	17.25	0	0	0	0	0	0	-28.91	-28.91
Inverter Transformer	S_14A_2_T	368673	4907713	2	0	0	45.3	45.3	1	526.4	3.25	8000	65.43	0	-1.47	0	0	61.53	0	0	0	0	0	0	-80.19	-80.19
Inverter Transformer	S_14B_6_T	367937	4907930	2	0	0	65.3	65.3	1	538	3.25	32	65.62	0	-4.91	0	0	0.02	0	0	0	0	0	0	4.58	4.58
Inverter Transformer	S_14B_6_T	367937	4907930	2	0	0	71.3	71.3	1	538	3.25	63	65.62	0	-4.91	0	0	0.07	0	0	0	0	0	0	10.53	10.53
Inverter Transformer	S_14B_6_T	367937	4907930	2	0	0	73.3	73.3	1	538	3.25	125	65.62	0	3.18	0	0	0.22	0	0	0	0	0	0	4.28	4.28
Inverter Transformer	S_14B_6_T	367937	4907930	2	0	0	68.3	68.3	1	538	3.25	250	65.62	0	3.7	0	0	0.56	0	0	0	0	0	0	-1.58	-1.58
Inverter Transformer	S_14B_6_T	367937	4907930	2	0	0	68.3	68.3	1	538	3.25	500	65.62	0	0.08	0	0	1.04	0	0	0	0	0	0	1.56	1.56

Inverter Transformer	S_14B_6_T	367937	4907930	2	0	0	62.3	62.3	1	538	3.25	1000	65.62	0	-1.38	0	0	1.97	0	0	0	0	0	0	-3.91	-3.91
Inverter Transformer	S_14B_6_T	367937	4907930	2	0	0	57.3	57.3	1	538	3.25	2000	65.62	0	-1.47	0	0	5.2	0	0	0	0	0	0	-12.04	-12.04
Inverter Transformer	S_14B_6_T	367937	4907930	2	0	0	52.3	52.3	1	538	3.25	4000	65.62	0	-1.47	0	0	17.63	0	0	0	0	0	0	-29.47	-29.47
Inverter Transformer	S_14B_6_T	367937	4907930	2	0	0	45.3	45.3	1	538	3.25	8000	65.62	0	-1.47	0	0	62.88	0	0	0	0	0	0	-81.73	-81.73
Sol_Luce Substation	S_Substation	369426	4908792	3	0	0	60.4	60.4	1	1184	3.75	63	72.47	0	-5.43	0	0	0.14	0	0	0	0	0	0	-6.78	-6.78
Sol_Luce Substation	S_Substation	369426	4908792	3	0	0	72.5	72.5	1	1184	3.75	125	72.47	0	4.08	0	0	0.49	0	0	0	0	0	0	-4.53	-4.53
Sol_Luce Substation	S_Substation	369426	4908792	3	0	0	75	75	1	1184	3.75	250	72.47	0	2.02	0	0	1.24	0	0	0	0	0	0	-0.72	-0.72
Sol_Luce Substation	S_Substation	369426	4908792	3	0	0	80.4	80.4	1	1184	3.75	500	72.47	0	-1.47	0	0	2.28	0	0	0	0	0	0	7.12	7.12
Sol_Luce Substation	S_Substation	369426	4908792	3	0	0	77.6	77.6	1	1184	3.75	1000	72.47	0	-1.63	0	0	4.33	0	0	0	0	0	0	2.43	2.43
Sol_Luce Substation	S_Substation	369426	4908792	3	0	0	73.8	73.8	1	1184	3.75	2000	72.47	0	-1.63	0	0	11.44	0	0	0	0	0	0	-8.48	-8.48
Sol_Luce Substation	S_Substation	369426	4908792	3	0	0	68.6	68.6	1	1184	3.75	4000	72.47	0	-1.63	0	0	38.79	0	0	0	0	0	0	-41.03	-41.03
Sol_Luce Substation	S_Substation	369426	4908792	3	0	0	59.5	59.5	1	1184	3.75	8000	72.47	0	-1.63	0	0	138.4	0	0	0	0	0	0	-149.7	-149.7
Inverter Transformer	S_14B_2_T	368170	4907668	2	0	0	65.3	65.3	1	562.2	3.25	32	66	0	-4.96	0	0	0.02	0	0	0	0	0	0	4.24	4.24
Inverter Transformer	S_14B_2_T	368170	4907668	2	0	0	71.3	71.3	1	562.2	3.25	63	66	0	-4.96	0	0	0.07	0	0	0	0	0	0	10.19	10.19
Inverter Transformer	S_14B_2_T	368170	4907668	2	0	0	73.3	73.3	1	562.2	3.25	125	66	0	3.28	0	0	0.23	0	0	0	0	0	0	3.79	3.79
Inverter Transformer	S_14B_2_T	368170	4907668	2	0	0	68.3	68.3	1	562.2	3.25	250	66	0	3.69	0	0	0.59	0	0	0	0	0	0	-1.97	-1.97
Inverter Transformer	S_14B_2_T	368170	4907668	2	0	0	68.3	68.3	1	562.2	3.25	500	66	0	0.07	0	0	1.08	0	0	0	0	0	0	1.15	1.15
Inverter Transformer	S_14B_2_T	368170	4907668	2	0	0	62.3	62.3	1	562.2	3.25	1000	66	0	-1.39	0	0	2.06	0	0	0	0	0	0	-4.36	-4.36
Inverter Transformer	S_14B_2_T	368170	4907668	2	0	0	57.3	57.3	1	562.2	3.25	2000	66	0	-1.49	0	0	5.43	0	0	0	0	0	0	-12.64	-12.64
Inverter Transformer	S_14B_2_T	368170	4907668	2	0	0	52.3	52.3	1	562.2	3.25	4000	66	0	-1.49	0	0	18.42	0	0	0	0	0	0	-30.63	-30.63
Inverter Transformer	S_14B_2_T	368170	4907668	2	0	0	45.3	45.3	1	562.2	3.25	8000	66	0	-1.49	0	0	65.71	0	0	0	0	0	0	-84.92	-84.92
Inverters	S_12_4_I	370255	4906972	2	0	0	69.6	69.6	1	2196	3.25	125	77.83	0	4.46	0	0	0.9	0	0	0	0	0	0	-13.56	-13.56
Inverters	S_12_4_I	370255	4906972	2	0	0	78.6	78.6	1	2196	3.25	250	77.83	0	3.45	0	0	2.29	0	0	0	0	0	0	-4.93	-4.93
Inverters	S_12_4_I	370255	4906972	2	0	0	82.1	82.1	1	2196	3.25	500	77.83	0	-0.16	0	0	4.23	0	0	0	0	0	0	0.22	0.22
Inverters	S_12_4_I	370255	4906972	2	0	0	75.7	75.7	1	2196	3.25	1000	77.83	0	-1.62	0	0	8.03	0	0	0	0	0	0	-8.5	-8.5
Inverters	S_12_4_I	370255	4906972	2	0	0	73.6	73.6	1	2196	3.25	2000	77.83	0	-1.72	0	0	21.22	0	0	0	0	0	0	-23.7	-23.7
Inverters	S_12_4_I	370255	4906972	2	0	0	87	87	1	2196	3.25	4000	77.83	0	-1.72	0	0	71.95	0	0	0	0	0	0	-61.1	-61.1
SubstationTransformer	W_ST	369702.9	4906057	2.5	0	0	65.8	65.8	1	2476	3.5	63	78.88	0	-5.75	0	0	0.3	0	0	0	0	0	0	-7.63	-7.63
SubstationTransformer	W_ST	369702.9	4906057	2.5	0	0	77.9	77.9	1	2476	3.5	125	78.88	0	4.22	0	0	1.02	0	0	0	0	0	0	-6.22	-6.22
SubstationTransformer	W_ST	369702.9	4906057	2.5	0	0	80.4	80.4	1	2476	3.5	250	78.88	0	2.68	0	0	2.58	0	0	0	0	0	0	-3.74	-3.74
SubstationTransformer	W_ST	369702.9	4906057	2.5	0	0	85.8	85.8	1	2476	3.5	500	78.88	0	-1.17	0	0	4.77	0	0	0	0	0	0	3.32	3.32
SubstationTransformer	W_ST	369702.9	4906057	2.5	0	0	83	83	1	2476	3.5	1000	78.88	0	-1.71	0	0	9.06	0	0	0	0	0	0	-3.22	-3.22
SubstationTransformer	W_ST	369702.9	4906057	2.5	0	0	79.2	79.2	1	2476	3.5	2000	78.88	0	-1.72	0	0	23.93	0	0	0	0	0	0	-21.88	-21.88
SubstationTransformer	W_ST	369702.9	4906057	2.5	0	0	74	74	1	2476	3.5	4000	78.88	0	-1.72	0	0	81.14	0	0	0	0	0	0	-84.29	-84.29
SubstationTransformer	W_ST	369702.9	4906057	2.5	0	0	64.9	64.9	1	2476	3.5	8000	78.88	0	-1.72	0	0	289.4	0	0	0	0	0	0	-301.7	-301.7
Inverter Transformer	S_14B_5_T	367945	4907759	2	0	0	65.3	65.3	1	627.8	3.25	32	66.96	0	-5.07	0	0	0.02	0	0	0	0	0	0	3.39	3.39
Inverter Transformer	S_14B_5_T	367945	4907759	2	0	0	71.3	71.3	1	627.8	3.25	63	66.96	0	-5.07	0	0	0.08	0	0	0	0	0	0	9.33	9.33
Inverter Transformer	S_14B_5_T	367945	4907759	2	0	0	73.3	73.3	1	627.8	3.25	125	66.96	0	3.52	0	0	0.26	0	0	0	0	0	0	2.56	2.56
Inverter Transformer	S_14B_5_T	367945	4907759	2	0	0	68.3	68.3	1	627.8	3.25	250	66.96	0	3.65	0	0	0.66	0	0	0	0	0	0	-2.96	-2.96
Inverter Transformer	S_14B_5_T	367945	4907759	2	0	0	68.3	68.3	1	627.8	3.25	500	66.96	0	0.04	0	0	1.21	0	0	0	0	0	0	0.1	0.1
Inverter Transformer	S_14B_5_T	367945	4907759	2	0	0	62.3	62.3	1	627.8	3.25	1000	66.96	0	-1.42	0	0	2.3	0	0	0	0	0	0	-5.53	-5.53
Inverter Transformer	S_14B_5_T	367945	4907759	2	0	0	57.3	57.3	1	627.8	3.25	2000	66.96	0	-1.52	0	0	6.07	0	0	0	0	0	0	-14.2	-14.2
Inverter Transformer	S_14B_5_T	367945	4907759	2	0	0	52.3	52.3	1	627.8	3.25	4000	66.96	0	-1.52	0	0	20.57	0	0	0	0	0	0	-33.71	-33.71
Inverter Transformer	S_14B_5_T	367945	4907759	2	0	0	45.3	45.3	1	627.8	3.25	8000	66.96	0	-1.52	0	0	73.38	0	0	0	0	0	0	-93.52	-93.52
Inverter Transformer	S_14A_13_T	368346	4907479	2	0	0	65.3	65.3	1	697.6	3.25	32	67.87	0	-5.16	0	0	0.02	0	0	0	0	0	0	2.57	2.57
Inverter Transformer	S_14A_13_T	368346	4907479	2	0	0	71.3	71.3	1	697.6	3.25	63	67.87	0	-5.16	0	0	0.08	0	0	0	0	0	0	8.5	8.5
Inverter Transformer	S_14A_13_T	368346	4907479	2	0	0	73.3	73.3	1	697.6	3.25	125	67.87	0	3.75	0	0	0.29	0	0	0	0	0	0	1.39	1.39
Inverter Transformer	S_14A_13_T	368346	4907479	2	0	0	68.3	68.3	1	697.6	3.25	250	67.87	0	3.62	0	0	0.73	0	0	0	0	0	0	-3.92	-3.92
Inverter Transformer	S_14A_13_T	368346	4907479	2	0	0	68.3	68.3	1	697.6	3.25	500	67.87	0	0.01	0	0	1.34	0	0	0	0	0	0	-0.93	-0.93
Inverter Transformer	S_14A_13_T	368346	4907479	2	0	0	62.3	62.3	1	697.6	3.25	1000	67.87	0	-1.45	0	0	2.55	0	0	0	0	0	0	-6.67	-6.67
Inverter Transformer	S_14A_13_T	368346	4907479	2	0	0	57.3	57.3	1	697.6	3.25	2000	67.87	0	-1.55	0	0	6.74	0	0	0	0	0	0	-15.77	-15.77
Inverter Transformer	S_14A_13_T	368346	4907479	2	0	0	52.3	52.3	1	697.6	3.25	4000	67.87	0	-1.55	0	0	22.86	0	0	0	0	0	0	-36.89	-36.89
Inverter Transformer	S_14A_13_T	368346	4907479	2	0	0	45.3	45.3	1	697.6	3.25	8000	67.87	0	-1.55	0	0	81.54	0	0	0	0	0	0	-102.6	-102.6
Inverter Transformer	S_14A_7_T	368515	4907479	2	0	0	65.3	65.3	1	700.9	3.25	32	67.91	0	-5.17	0	0	0.02	0	0	0	0	0	0	2.53	2.53
Inverter Transformer	S_14A_7_T	368515	4907479	2	0	0	71.3	71.3	1	700.9	3.25	63	67.91	0	-5.17	0	0	0.09	0	0	0	0	0	0	8.47	8.47

Inverter Transformer	S_14A_7_T	368515	4907479	2	0	0	73.3	73.3	1	700.9	3.25	125	67.91	0	3.76	0	0	0.29	0	0	0	0	0	0	1.34	1.34
Inverter Transformer	S_14A_7_T	368515	4907479	2	0	0	68.3	68.3	1	700.9	3.25	250	67.91	0	3.62	0	0	0.73	0	0	0	0	0	0	-3.97	-3.97
Inverter Transformer	S_14A_7_T	368515	4907479	2	0	0	68.3	68.3	1	700.9	3.25	500	67.91	0	0.01	0	0	1.35	0	0	0	0	0	0	-0.97	-0.97
Inverter Transformer	S_14A_7_T	368515	4907479	2	0	0	62.3	62.3	1	700.9	3.25	1000	67.91	0	-1.45	0	0	2.56	0	0	0	0	0	0	-6.72	-6.72
Inverter Transformer	S_14A_7_T	368515	4907479	2	0	0	57.3	57.3	1	700.9	3.25	2000	67.91	0	-1.55	0	0	6.77	0	0	0	0	0	0	-15.84	-15.84
Inverter Transformer	S_14A_7_T	368515	4907479	2	0	0	52.3	52.3	1	700.9	3.25	4000	67.91	0	-1.55	0	0	22.97	0	0	0	0	0	0	-37.03	-37.03
Inverter Transformer	S_14A_7_T	368515	4907479	2	0	0	45.3	45.3	1	700.9	3.25	8000	67.91	0	-1.55	0	0	81.92	0	0	0	0	0	0	-103	-103
Inverter Transformer	S_14A_3_T	368682	4907506	2	0	0	65.3	65.3	1	717.7	3.25	32	68.12	0	-5.18	0	0	0.02	0	0	0	0	0	0	2.34	2.34
Inverter Transformer	S_14A_3_T	368682	4907506	2	0	0	71.3	71.3	1	717.7	3.25	63	68.12	0	-5.18	0	0	0.09	0	0	0	0	0	0	8.28	8.28
Inverter Transformer	S_14A_3_T	368682	4907506	2	0	0	73.3	73.3	1	717.7	3.25	125	68.12	0	3.81	0	0	0.29	0	0	0	0	0	0	1.07	1.07
Inverter Transformer	S_14A_3_T	368682	4907506	2	0	0	68.3	68.3	1	717.7	3.25	250	68.12	0	3.62	0	0	0.75	0	0	0	0	0	0	-4.19	-4.19
Inverter Transformer	S_14A_3_T	368682	4907506	2	0	0	68.3	68.3	1	717.7	3.25	500	68.12	0	0	0	0	1.38	0	0	0	0	0	0	-1.2	-1.2
Inverter Transformer	S_14A_3_T	368682	4907506	2	0	0	62.3	62.3	1	717.7	3.25	1000	68.12	0	-1.46	0	0	2.63	0	0	0	0	0	0	-6.98	-6.98
Inverter Transformer	S_14A_3_T	368682	4907506	2	0	0	57.3	57.3	1	717.7	3.25	2000	68.12	0	-1.56	0	0	6.94	0	0	0	0	0	0	-16.2	-16.2
Inverter Transformer	S_14A_3_T	368682	4907506	2	0	0	52.3	52.3	1	717.7	3.25	4000	68.12	0	-1.56	0	0	23.52	0	0	0	0	0	0	-37.78	-37.78
Inverter Transformer	S_14A_3_T	368682	4907506	2	0	0	45.3	45.3	1	717.7	3.25	8000	68.12	0	-1.56	0	0	83.89	0	0	0	0	0	0	-105.2	-105.2
Inverter Transformer	S_14B_3_T	368179	4907470	2	0	0	65.3	65.3	1	742.2	3.25	32	68.41	0	-5.21	0	0	0.02	0	0	0	0	0	0	2.08	2.08
Inverter Transformer	S_14B_3_T	368179	4907470	2	0	0	71.3	71.3	1	742.2	3.25	63	68.41	0	-5.21	0	0	0.09	0	0	0	0	0	0	8.01	8.01
Inverter Transformer	S_14B_3_T	368179	4907470	2	0	0	73.3	73.3	1	742.2	3.25	125	68.41	0	3.88	0	0	0.3	0	0	0	0	0	0	0.7	0.7
Inverter Transformer	S_14B_3_T	368179	4907470	2	0	0	68.3	68.3	1	742.2	3.25	250	68.41	0	3.61	0	0	0.77	0	0	0	0	0	0	-4.49	-4.49
Inverter Transformer	S_14B_3_T	368179	4907470	2	0	0	68.3	68.3	1	742.2	3.25	500	68.41	0	-0.01	0	0	1.43	0	0	0	0	0	0	-1.54	-1.54
Inverter Transformer	S_14B_3_T	368179	4907470	2	0	0	62.3	62.3	1	742.2	3.25	1000	68.41	0	-1.47	0	0	2.71	0	0	0	0	0	0	-7.36	-7.36
Inverter Transformer	S_14B_3_T	368179	4907470	2	0	0	57.3	57.3	1	742.2	3.25	2000	68.41	0	-1.56	0	0	7.17	0	0	0	0	0	0	-16.72	-16.72
Inverter Transformer	S_14B_3_T	368179	4907470	2	0	0	52.3	52.3	1	742.2	3.25	4000	68.41	0	-1.56	0	0	24.32	0	0	0	0	0	0	-38.87	-38.87
Inverter Transformer	S_14B_3_T	368179	4907470	2	0	0	45.3	45.3	1	742.2	3.25	8000	68.41	0	-1.56	0	0	86.75	0	0	0	0	0	0	-108.3	-108.3
Inverters	S_19_2_I	365970	4906655	2	0	0	69.6	69.6	1	2880	3.25	125	80.19	0	4.44	0	0	1.18	0	0	0	0	0	0	-16.18	-16.18
Inverters	S_19_2_I	365970	4906655	2	0	0	78.6	78.6	1	2880	3.25	250	80.19	0	3.43	0	0	3	0	0	0	0	0	0	-7.98	-7.98
Inverters	S_19_2_I	365970	4906655	2	0	0	82.1	82.1	1	2880	3.25	500	80.19	0	-0.18	0	0	5.55	0	0	0	0	0	0	-3.44	-3.44
Inverters	S_19_2_I	365970	4906655	2	0	0	75.7	75.7	1	2880	3.25	1000	80.19	0	-1.64	0	0	10.53	0	0	0	0	0	0	-13.34	-13.34
Inverters	S_19_2_I	365970	4906655	2	0	0	73.6	73.6	1	2880	3.25	2000	80.19	0	-1.74	0	0	27.83	0	0	0	0	0	0	-32.65	-32.65
Inverters	S_19_2_I	365970	4906655	2	0	0	87	87	1	2880	3.25	4000	80.19	0	-1.74	0	0	94.37	0	0	0	0	0	0	-85.85	-85.85
Inverter Transformer	S_14B_4_T	367952	4907579	2	0	0	65.3	65.3	1	754.4	3.25	32	68.55	0	-5.22	0	0	0.02	0	0	0	0	0	0	1.95	1.95
Inverter Transformer	S_14B_4_T	367952	4907579	2	0	0	71.3	71.3	1	754.4	3.25	63	68.55	0	-5.22	0	0	0.09	0	0	0	0	0	0	7.88	7.88
Inverter Transformer	S_14B_4_T	367952	4907579	2	0	0	73.3	73.3	1	754.4	3.25	125	68.55	0	3.92	0	0	0.31	0	0	0	0	0	0	0.52	0.52
Inverter Transformer	S_14B_4_T	367952	4907579	2	0	0	68.3	68.3	1	754.4	3.25	250	68.55	0	3.61	0	0	0.79	0	0	0	0	0	0	-4.64	-4.64
Inverter Transformer	S_14B_4_T	367952	4907579	2	0	0	68.3	68.3	1	754.4	3.25	500	68.55	0	-0.01	0	0	1.45	0	0	0	0	0	0	-1.7	-1.7
Inverter Transformer	S_14B_4_T	367952	4907579	2	0	0	62.3	62.3	1	754.4	3.25	1000	68.55	0	-1.47	0	0	2.76	0	0	0	0	0	0	-7.54	-7.54
Inverter Transformer	S_14B_4_T	367952	4907579	2	0	0	57.3	57.3	1	754.4	3.25	2000	68.55	0	-1.57	0	0	7.29	0	0	0	0	0	0	-16.97	-16.97
Inverter Transformer	S_14B_4_T	367952	4907579	2	0	0	52.3	52.3	1	754.4	3.25	4000	68.55	0	-1.57	0	0	24.72	0	0	0	0	0	0	-39.4	-39.4
Inverter Transformer	S_14B_4_T	367952	4907579	2	0	0	45.3	45.3	1	754.4	3.25	8000	68.55	0	-1.57	0	0	88.17	0	0	0	0	0	0	-109.9	-109.9
Inverters	S_19_1_I	365849	4906817	2	0	0	69.6	69.6	1	2904	3.25	125	80.26	0	4.44	0	0	1.19	0	0	0	0	0	0	-16.26	-16.26
Inverters	S_19_1_I	365849	4906817	2	0	0	78.6	78.6	1	2904	3.25	250	80.26	0	3.43	0	0	3.03	0	0	0	0	0	0	-8.08	-8.08
Inverters	S_19_1_I	365849	4906817	2	0	0	82.1	82.1	1	2904	3.25	500	80.26	0	-0.18	0	0	5.6	0	0	0	0	0	0	-3.56	-3.56
Inverters	S_19_1_I	365849	4906817	2	0	0	75.7	75.7	1	2904	3.25	1000	80.26	0	-1.64	0	0	10.62	0	0	0	0	0	0	-13.5	-13.5
Inverters	S_19_1_I	365849	4906817	2	0	0	73.6	73.6	1	2904	3.25	2000	80.26	0	-1.74	0	0	28.06	0	0	0	0	0	0	-32.96	-32.96
Inverters	S_19_1_I	365849	4906817	2	0	0	87	87	1	2904	3.25	4000	80.26	0	-1.74	0	0	95.17	0	0	0	0	0	0	-86.72	-86.72
Inverter Transformer	S_25B_10_T	369050	4908605	2	0	0	65.3	65.3	1	766.4	3.25	32	68.69	0	-5.24	0	0	0.02	0	0	0	0	0	0	1.82	1.82
Inverter Transformer	S_25B_10_T	369050	4908605	2	0	0	71.3	71.3	1	766.4	3.25	63	68.69	0	-5.24	0	0	0.09	0	0	0	0	0	0	7.75	7.75
Inverter Transformer	S_25B_10_T	369050	4908605	2	0	0	73.3	73.3	1	766.4	3.25	125	68.69	0	3.95	0	0	0.31	0	0	0	0	0	0	0.35	0.35
Inverter Transformer	S_25B_10_T	369050	4908605	2	0	0	68.3	68.3	1	766.4	3.25	250	68.69	0	3.6	0	0	0.8	0	0	0	0	0	0	-4.79	-4.79
Inverter Transformer	S_25B_10_T	369050	4908605	2	0	0	68.3	68.3	1	766.4	3.25	500	68.69	0	-0.01	0	0	1.48	0	0	0	0	0	0	-1.85	-1.85
Inverter Transformer	S_25B_10_T	369050	4908605	2	0	0	62.3	62.3	1	766.4	3.25	1000	68.69	0	-1.48	0	0	2.8	0	0	0	0	0	0	-7.72	-7.72
Inverter Transformer	S_25B_10_T	369050	4908605	2	0	0	57.3	57.3	1	766.4	3.25	2000	68.69	0	-1.57	0	0	7.41	0	0	0	0	0	0	-17.22	-17.22
Inverter Transformer	S_25B_10_T	369050	4908605	2	0	0	52.3	52.3	1	766.4	3.25	4000	68.69	0	-1.57	0	0	25.11	0	0	0	0	0	0	-39.93	-39.93
Inverter Transformer	S_25B_10_T	369050	4908605	2	0	0	45.3	45.3	1	766.4	3.25	8000	68.69	0	-1.57	0	0	89.57	0	0	0	0	0	0	-111.4	-111.4

Inverter Transformer	S_25A_11_T	369179	4908481	2	0	0	65.3	65.3	1	821.9	3.25	32	69.3	0	-5.29	0	0	0.03	0	0	0	0	0	0	1.27	1.27
Inverter Transformer	S_25A_11_T	369179	4908481	2	0	0	71.3	71.3	1	821.9	3.25	63	69.3	0	-5.29	0	0	0.1	0	0	0	0	0	0	7.19	7.19
Inverter Transformer	S_25A_11_T	369179	4908481	2	0	0	73.3	73.3	1	821.9	3.25	125	69.3	0	4.08	0	0	0.34	0	0	0	0	0	0	-0.41	-0.41
Inverter Transformer	S_25A_11_T	369179	4908481	2	0	0	68.3	68.3	1	821.9	3.25	250	69.3	0	3.59	0	0	0.86	0	0	0	0	0	0	-5.44	-5.44
Inverter Transformer	S_25A_11_T	369179	4908481	2	0	0	68.3	68.3	1	821.9	3.25	500	69.3	0	-0.03	0	0	1.58	0	0	0	0	0	0	-2.55	-2.55
Inverter Transformer	S_25A_11_T	369179	4908481	2	0	0	62.3	62.3	1	821.9	3.25	1000	69.3	0	-1.49	0	0	3.01	0	0	0	0	0	0	-8.51	-8.51
Inverter Transformer	S_25A_11_T	369179	4908481	2	0	0	57.3	57.3	1	821.9	3.25	2000	69.3	0	-1.59	0	0	7.94	0	0	0	0	0	0	-18.35	-18.35
Inverter Transformer	S_25A_11_T	369179	4908481	2	0	0	52.3	52.3	1	821.9	3.25	4000	69.3	0	-1.59	0	0	26.93	0	0	0	0	0	0	-42.34	-42.34
Inverter Transformer	S_25A_11_T	369179	4908481	2	0	0	45.3	45.3	1	821.9	3.25	8000	69.3	0	-1.59	0	0	96.06	0	0	0	0	0	0	-118.5	-118.5
Inverter Transformer	S_14A_14_T	368352	4907344	2	0	0	65.3	65.3	1	831.6	3.25	32	69.4	0	-5.3	0	0	0.03	0	0	0	0	0	0	1.17	1.17
Inverter Transformer	S_14A_14_T	368352	4907344	2	0	0	71.3	71.3	1	831.6	3.25	63	69.4	0	-5.3	0	0	0.1	0	0	0	0	0	0	7.1	7.1
Inverter Transformer	S_14A_14_T	368352	4907344	2	0	0	73.3	73.3	1	831.6	3.25	125	69.4	0	4.1	0	0	0.34	0	0	0	0	0	0	-0.54	-0.54
Inverter Transformer	S_14A_14_T	368352	4907344	2	0	0	68.3	68.3	1	831.6	3.25	250	69.4	0	3.58	0	0	0.87	0	0	0	0	0	0	-5.55	-5.55
Inverter Transformer	S_14A_14_T	368352	4907344	2	0	0	68.3	68.3	1	831.6	3.25	500	69.4	0	-0.03	0	0	1.6	0	0	0	0	0	0	-2.67	-2.67
Inverter Transformer	S_14A_14_T	368352	4907344	2	0	0	62.3	62.3	1	831.6	3.25	1000	69.4	0	-1.49	0	0	3.04	0	0	0	0	0	0	-8.65	-8.65
Inverter Transformer	S_14A_14_T	368352	4907344	2	0	0	57.3	57.3	1	831.6	3.25	2000	69.4	0	-1.59	0	0	8.04	0	0	0	0	0	0	-18.54	-18.54
Inverter Transformer	S_14A_14_T	368352	4907344	2	0	0	52.3	52.3	1	831.6	3.25	4000	69.4	0	-1.59	0	0	27.25	0	0	0	0	0	0	-42.76	-42.76
Inverter Transformer	S_14A_14_T	368352	4907344	2	0	0	45.3	45.3	1	831.6	3.25	8000	69.4	0	-1.59	0	0	97.19	0	0	0	0	0	0	-119.7	-119.7
Inverter Transformer	S_25A_10_T	369187	4908507	2	0	0	65.3	65.3	1	839.3	3.25	32	69.48	0	-5.3	0	0	0.03	0	0	0	0	0	0	1.1	1.1
Inverter Transformer	S_25A_10_T	369187	4908507	2	0	0	71.3	71.3	1	839.3	3.25	63	69.48	0	-5.3	0	0	0.1	0	0	0	0	0	0	7.02	7.02
Inverter Transformer	S_25A_10_T	369187	4908507	2	0	0	73.3	73.3	1	839.3	3.25	125	69.48	0	4.11	0	0	0.34	0	0	0	0	0	0	-0.64	-0.64
Inverter Transformer	S_25A_10_T	369187	4908507	2	0	0	68.3	68.3	1	839.3	3.25	250	69.48	0	3.58	0	0	0.88	0	0	0	0	0	0	-5.64	-5.64
Inverter Transformer	S_25A_10_T	369187	4908507	2	0	0	68.3	68.3	1	839.3	3.25	500	69.48	0	-0.03	0	0	1.62	0	0	0	0	0	0	-2.76	-2.76
Inverter Transformer	S_25A_10_T	369187	4908507	2	0	0	62.3	62.3	1	839.3	3.25	1000	69.48	0	-1.5	0	0	3.07	0	0	0	0	0	0	-8.75	-8.75
Inverter Transformer	S_25A_10_T	369187	4908507	2	0	0	57.3	57.3	1	839.3	3.25	2000	69.48	0	-1.59	0	0	8.11	0	0	0	0	0	0	-18.7	-18.7
Inverter Transformer	S_25A_10_T	369187	4908507	2	0	0	52.3	52.3	1	839.3	3.25	4000	69.48	0	-1.59	0	0	27.5	0	0	0	0	0	0	-43.09	-43.09
Inverter Transformer	S_25A_10_T	369187	4908507	2	0	0	45.3	45.3	1	839.3	3.25	8000	69.48	0	-1.59	0	0	98.1	0	0	0	0	0	0	-120.7	-120.7
Inverter Transformer	S_25B_9_T	369042	4908803	2	0	0	65.3	65.3	1	887.4	3.25	32	69.96	0	-5.34	0	0	0.03	0	0	0	0	0	0	0.65	0.65
Inverter Transformer	S_25B_9_T	369042	4908803	2	0	0	71.3	71.3	1	887.4	3.25	63	69.96	0	-5.34	0	0	0.11	0	0	0	0	0	0	6.57	6.57
Inverter Transformer	S_25B_9_T	369042	4908803	2	0	0	73.3	73.3	1	887.4	3.25	125	69.96	0	4.2	0	0	0.36	0	0	0	0	0	0	-1.23	-1.23
Inverter Transformer	S_25B_9_T	369042	4908803	2	0	0	68.3	68.3	1	887.4	3.25	250	69.96	0	3.57	0	0	0.93	0	0	0	0	0	0	-6.16	-6.16
Inverter Transformer	S_25B_9_T	369042	4908803	2	0	0	68.3	68.3	1	887.4	3.25	500	69.96	0	-0.04	0	0	1.71	0	0	0	0	0	0	-3.33	-3.33
Inverter Transformer	S_25B_9_T	369042	4908803	2	0	0	62.3	62.3	1	887.4	3.25	1000	69.96	0	-1.51	0	0	3.25	0	0	0	0	0	0	-9.4	-9.4
Inverter Transformer	S_25B_9_T	369042	4908803	2	0	0	57.3	57.3	1	887.4	3.25	2000	69.96	0	-1.6	0	0	8.58	0	0	0	0	0	0	-19.64	-19.64
Inverter Transformer	S_25B_9_T	369042	4908803	2	0	0	52.3	52.3	1	887.4	3.25	4000	69.96	0	-1.6	0	0	29.08	0	0	0	0	0	0	-45.14	-45.14
Inverter Transformer	S_25B_9_T	369042	4908803	2	0	0	45.3	45.3	1	887.4	3.25	8000	69.96	0	-1.6	0	0	103.7	0	0	0	0	0	0	-126.8	-126.8
Inverter Transformer	S_14A_4_T	368690	4907317	2	0	0	65.3	65.3	1	898.5	3.25	32	70.07	0	-5.35	0	0	0.03	0	0	0	0	0	0	0.55	0.55
Inverter Transformer	S_14A_4_T	368690	4907317	2	0	0	71.3	71.3	1	898.5	3.25	63	70.07	0	-5.35	0	0	0.11	0	0	0	0	0	0	6.47	6.47
Inverter Transformer	S_14A_4_T	368690	4907317	2	0	0	73.3	73.3	1	898.5	3.25	125	70.07	0	4.22	0	0	0.37	0	0	0	0	0	0	-1.36	-1.36
Inverter Transformer	S_14A_4_T	368690	4907317	2	0	0	68.3	68.3	1	898.5	3.25	250	70.07	0	3.57	0	0	0.94	0	0	0	0	0	0	-6.28	-6.28
Inverter Transformer	S_14A_4_T	368690	4907317	2	0	0	68.3	68.3	1	898.5	3.25	500	70.07	0	-0.05	0	0	1.73	0	0	0	0	0	0	-3.45	-3.45
Inverter Transformer	S_14A_4_T	368690	4907317	2	0	0	62.3	62.3	1	898.5	3.25	1000	70.07	0	-1.51	0	0	3.29	0	0	0	0	0	0	-9.55	-9.55
Inverter Transformer	S_14A_4_T	368690	4907317	2	0	0	57.3	57.3	1	898.5	3.25	2000	70.07	0	-1.6	0	0	8.68	0	0	0	0	0	0	-19.85	-19.85
Inverter Transformer	S_14A_4_T	368690	4907317	2	0	0	52.3	52.3	1	898.5	3.25	4000	70.07	0	-1.6	0	0	29.44	0	0	0	0	0	0	-45.61	-45.61
Inverter Transformer	S_14A_4_T	368690	4907317	2	0	0	45.3	45.3	1	898.5	3.25	8000	70.07	0	-1.6	0	0	105	0	0	0	0	0	0	-128.2	-128.2
Inverter Transformer	S_14C_2_T	367674	4907587	2	0	0	65.3	65.3	1	946.3	3.25	32	70.52	0	-5.38	0	0	0.03	0	0	0	0	0	0	0.13	0.13
Inverter Transformer	S_14C_2_T	367674	4907587	2	0	0	71.3	71.3	1	946.3	3.25	63	70.52	0	-5.38	0	0	0.12	0	0	0	0	0	0	6.05	6.05
Inverter Transformer	S_14C_2_T	367674	4907587	2	0	0	73.3	73.3	1	946.3	3.25	125	70.52	0	4.29	0	0	0.39	0	0	0	0	0	0	-1.9	-1.9
Inverter Transformer	S_14C_2_T	367674	4907587	2	0	0	68.3	68.3	1	946.3	3.25	250	70.52	0	3.56	0	0	0.99	0	0	0	0	0	0	-6.77	-6.77
Inverter Transformer	S_14C_2_T	367674	4907587	2	0	0	68.3	68.3	1	946.3	3.25	500	70.52	0	-0.06	0	0	1.82	0	0	0	0	0	0	-3.99	-3.99
Inverter Transformer	S_14C_2_T	367674	4907587	2	0	0	62.3	62.3	1	946.3	3.25	1000	70.52	0	-1.52	0	0	3.46	0	0	0	0	0	0	-10.16	-10.16
Inverter Transformer	S_14C_2_T	367674	4907587	2	0	0	57.3	57.3	1	946.3	3.25	2000	70.52	0	-1.61	0	0	9.14	0	0	0	0	0	0	-20.75	-20.75
Inverter Transformer	S_14C_2_T	367674	4907587	2	0	0	52.3	52.3	1	946.3	3.25	4000	70.52	0	-1.61	0	0	31.01	0	0	0	0	0	0	-47.62	-47.62
Inverter Transformer	S_14C_2_T	367674	4907587	2	0	0	45.3	45.3	1	946.3	3.25	8000	70.52	0	-1.61	0	0	110.6	0	0	0	0	0	0	-134.2	-134.2
Inverter Transformer	S_14A_6_T	368489	4907209	2	0	0	65.3	65.3	1	966.7	3.25	32	70.71	0	-5.39	0	0	0.03	0	0	0	0	0	0	-0.04	-0.04

Inverter Transformer	S_14A_6_T	368489	4907209	2	0	0	71.3	71.3	1	966.7	3.25	63	70.71	0	-5.39	0	0	0.12	0	0	0	0	0	5.87	5.87
Inverter Transformer	S_14A_6_T	368489	4907209	2	0	0	73.3	73.3	1	966.7	3.25	125	70.71	0	4.31	0	0	0.4	0	0	0	0	0	-2.11	-2.11
Inverter Transformer	S_14A_6_T	368489	4907209	2	0	0	68.3	68.3	1	966.7	3.25	250	70.71	0	3.55	0	0	1.01	0	0	0	0	0	-6.97	-6.97
Inverter Transformer	S_14A_6_T	368489	4907209	2	0	0	68.3	68.3	1	966.7	3.25	500	70.71	0	-0.06	0	0	1.86	0	0	0	0	0	-4.21	-4.21
Inverter Transformer	S_14A_6_T	368489	4907209	2	0	0	62.3	62.3	1	966.7	3.25	1000	70.71	0	-1.52	0	0	3.54	0	0	0	0	0	-10.42	-10.42
Inverter Transformer	S_14A_6_T	368489	4907209	2	0	0	57.3	57.3	1	966.7	3.25	2000	70.71	0	-1.62	0	0	9.34	0	0	0	0	0	-21.13	-21.13
Inverter Transformer	S_14A_6_T	368489	4907209	2	0	0	52.3	52.3	1	966.7	3.25	4000	70.71	0	-1.62	0	0	31.68	0	0	0	0	0	-48.47	-48.47
Inverter Transformer	S_14A_6_T	368489	4907209	2	0	0	45.3	45.3	1	966.7	3.25	8000	70.71	0	-1.62	0	0	113	0	0	0	0	0	-136.8	-136.8
Inverter Transformer	S_14C_1_T	367752	4907417	2	0	0	65.3	65.3	1	1007	3.25	32	71.06	0	-5.42	0	0	0.03	0	0	0	0	0	-0.37	-0.37
Inverter Transformer	S_14C_1_T	367752	4907417	2	0	0	71.3	71.3	1	1007	3.25	63	71.06	0	-5.42	0	0	0.12	0	0	0	0	0	5.54	5.54
Inverter Transformer	S_14C_1_T	367752	4907417	2	0	0	73.3	73.3	1	1007	3.25	125	71.06	0	4.35	0	0	0.41	0	0	0	0	0	-2.53	-2.53
Inverter Transformer	S_14C_1_T	367752	4907417	2	0	0	68.3	68.3	1	1007	3.25	250	71.06	0	3.55	0	0	1.05	0	0	0	0	0	-7.36	-7.36
Inverter Transformer	S_14C_1_T	367752	4907417	2	0	0	68.3	68.3	1	1007	3.25	500	71.06	0	-0.07	0	0	1.94	0	0	0	0	0	-4.63	-4.63
Inverter Transformer	S_14C_1_T	367752	4907417	2	0	0	62.3	62.3	1	1007	3.25	1000	71.06	0	-1.53	0	0	3.68	0	0	0	0	0	-10.91	-10.91
Inverter Transformer	S_14C_1_T	367752	4907417	2	0	0	57.3	57.3	1	1007	3.25	2000	71.06	0	-1.63	0	0	9.73	0	0	0	0	0	-21.86	-21.86
Inverter Transformer	S_14C_1_T	367752	4907417	2	0	0	52.3	52.3	1	1007	3.25	4000	71.06	0	-1.63	0	0	32.99	0	0	0	0	0	-50.13	-50.13
Inverter Transformer	S_14C_1_T	367752	4907417	2	0	0	45.3	45.3	1	1007	3.25	8000	71.06	0	-1.63	0	0	117.7	0	0	0	0	0	-141.8	-141.8
Inverter Transformer	S_4_4_T	369313	4908858	2	0	0	66.2	66.2	1	1128	3.25	32	72.05	0	-5.48	0	0	0.04	0	0	0	0	0	-0.4	-0.4
Inverter Transformer	S_4_4_T	369313	4908858	2	0	0	72.2	72.2	1	1128	3.25	63	72.05	0	-5.48	0	0	0.14	0	0	0	0	0	5.5	5.5
Inverter Transformer	S_4_4_T	369313	4908858	2	0	0	74.2	74.2	1	1128	3.25	125	72.05	0	4.44	0	0	0.46	0	0	0	0	0	-2.75	-2.75
Inverter Transformer	S_4_4_T	369313	4908858	2	0	0	69.2	69.2	1	1128	3.25	250	72.05	0	3.53	0	0	1.18	0	0	0	0	0	-7.55	-7.55
Inverter Transformer	S_4_4_T	369313	4908858	2	0	0	69.2	69.2	1	1128	3.25	500	72.05	0	-0.09	0	0	2.17	0	0	0	0	0	-4.93	-4.93
Inverter Transformer	S_4_4_T	369313	4908858	2	0	0	63.2	63.2	1	1128	3.25	1000	72.05	0	-1.55	0	0	4.13	0	0	0	0	0	-11.42	-11.42
Inverter Transformer	S_4_4_T	369313	4908858	2	0	0	58.2	58.2	1	1128	3.25	2000	72.05	0	-1.64	0	0	10.9	0	0	0	0	0	-23.1	-23.1
Inverter Transformer	S_4_4_T	369313	4908858	2	0	0	53.2	53.2	1	1128	3.25	4000	72.05	0	-1.64	0	0	36.96	0	0	0	0	0	-54.16	-54.16
Inverter Transformer	S_4_4_T	369313	4908858	2	0	0	46.2	46.2	1	1128	3.25	8000	72.05	0	-1.64	0	0	131.8	0	0	0	0	0	-156	-156
Inverter Transformer	S_25B_8_T	369034	4909001	2	0	0	65.3	65.3	1	1033	3.25	32	71.28	0	-5.43	0	0	0.03	0	0	0	0	0	-0.58	-0.58
Inverter Transformer	S_25B_8_T	369034	4909001	2	0	0	71.3	71.3	1	1033	3.25	63	71.28	0	-5.43	0	0	0.13	0	0	0	0	0	5.33	5.33
Inverter Transformer	S_25B_8_T	369034	4909001	2	0	0	73.3	73.3	1	1033	3.25	125	71.28	0	4.38	0	0	0.42	0	0	0	0	0	-2.78	-2.78
Inverter Transformer	S_25B_8_T	369034	4909001	2	0	0	68.3	68.3	1	1033	3.25	250	71.28	0	3.54	0	0	1.08	0	0	0	0	0	-7.6	-7.6
Inverter Transformer	S_25B_8_T	369034	4909001	2	0	0	68.3	68.3	1	1033	3.25	500	71.28	0	-0.07	0	0	1.99	0	0	0	0	0	-4.9	-4.9
Inverter Transformer	S_25B_8_T	369034	4909001	2	0	0	62.3	62.3	1	1033	3.25	1000	71.28	0	-1.53	0	0	3.78	0	0	0	0	0	-11.22	-11.22
Inverter Transformer	S_25B_8_T	369034	4909001	2	0	0	57.3	57.3	1	1033	3.25	2000	71.28	0	-1.63	0	0	9.98	0	0	0	0	0	-22.33	-22.33
Inverter Transformer	S_25B_8_T	369034	4909001	2	0	0	52.3	52.3	1	1033	3.25	4000	71.28	0	-1.63	0	0	33.84	0	0	0	0	0	-51.19	-51.19
Inverter Transformer	S_25B_8_T	369034	4909001	2	0	0	45.3	45.3	1	1033	3.25	8000	71.28	0	-1.63	0	0	120.7	0	0	0	0	0	-145	-145
Inverter Transformer	S_14A_5_T	368661	4907147	2	0	0	65.3	65.3	1	1055	3.25	32	71.46	0	-5.45	0	0	0.03	0	0	0	0	0	-0.75	-0.75
Inverter Transformer	S_14A_5_T	368661	4907147	2	0	0	71.3	71.3	1	1055	3.25	63	71.46	0	-5.45	0	0	0.13	0	0	0	0	0	5.16	5.16
Inverter Transformer	S_14A_5_T	368661	4907147	2	0	0	73.3	73.3	1	1055	3.25	125	71.46	0	4.39	0	0	0.43	0	0	0	0	0	-2.99	-2.99
Inverter Transformer	S_14A_5_T	368661	4907147	2	0	0	68.3	68.3	1	1055	3.25	250	71.46	0	3.54	0	0	1.1	0	0	0	0	0	-7.8	-7.8
Inverter Transformer	S_14A_5_T	368661	4907147	2	0	0	68.3	68.3	1	1055	3.25	500	71.46	0	-0.08	0	0	2.03	0	0	0	0	0	-5.12	-5.12
Inverter Transformer	S_14A_5_T	368661	4907147	2	0	0	62.3	62.3	1	1055	3.25	1000	71.46	0	-1.54	0	0	3.86	0	0	0	0	0	-11.48	-11.48
Inverter Transformer	S_14A_5_T	368661	4907147	2	0	0	57.3	57.3	1	1055	3.25	2000	71.46	0	-1.63	0	0	10.19	0	0	0	0	0	-22.72	-22.72
Inverter Transformer	S_14A_5_T	368661	4907147	2	0	0	52.3	52.3	1	1055	3.25	4000	71.46	0	-1.63	0	0	34.56	0	0	0	0	0	-52.09	-52.09
Inverter Transformer	S_14A_5_T	368661	4907147	2	0	0	45.3	45.3	1	1055	3.25	8000	71.46	0	-1.63	0	0	123.3	0	0	0	0	0	-147.8	-147.8
Inverter Transformer	S_25A_9_T	369263	4908857	2	0	0	65.3	65.3	1	1088	3.25	32	71.73	0	-5.46	0	0	0.03	0	0	0	0	0	-1	-1
Inverter Transformer	S_25A_9_T	369263	4908857	2	0	0	71.3	71.3	1	1088	3.25	63	71.73	0	-5.46	0	0	0.13	0	0	0	0	0	4.9	4.9
Inverter Transformer	S_25A_9_T	369263	4908857	2	0	0	73.3	73.3	1	1088	3.25	125	71.73	0	4.42	0	0	0.45	0	0	0	0	0	-3.3	-3.3
Inverter Transformer	S_25A_9_T	369263	4908857	2	0	0	68.3	68.3	1	1088	3.25	250	71.73	0	3.53	0	0	1.14	0	0	0	0	0	-8.1	-8.1
Inverter Transformer	S_25A_9_T	369263	4908857	2	0	0	68.3	68.3	1	1088	3.25	500	71.73	0	-0.08	0	0	2.1	0	0	0	0	0	-5.45	-5.45
Inverter Transformer	S_25A_9_T	369263	4908857	2	0	0	62.3	62.3	1	1088	3.25	1000	71.73	0	-1.54	0	0	3.98	0	0	0	0	0	-11.87	-11.87
Inverter Transformer	S_25A_9_T	369263	4908857	2	0	0	57.3	57.3	1	1088	3.25	2000	71.73	0	-1.64	0	0	10.51	0	0	0	0	0	-23.31	-23.31
Inverter Transformer	S_25A_9_T	369263	4908857	2	0	0	52.3	52.3	1	1088	3.25	4000	71.73	0	-1.64	0	0	35.65	0	0	0	0	0	-53.44	-53.44
Inverter Transformer	S_25A_9_T	369263	4908857	2	0	0	45.3	45.3	1	1088	3.25	8000	71.73	0	-1.64	0	0	127.2	0	0	0	0	0	-152	-152
Gardiner Substation	G_Sub	366586.3	4903350	2.5	0	0	48	48	1	5159	4.25	32	85.25	0	-5.88	4.78	0.39	0.17	0	0	0	0	0	-36.32	-36.32
Gardiner Substation	G_Sub	366586.3	4903350	2.5	0	0	67.2	67.2	1	5159	4.25	63	85.25	0	-5.88	4.78	0.39	0.63	0	0	0	0	0	-17.58	-17.58

Gardiner Substation	G_Sub	366586.3	4903350	2.5	0	0	79.3	79.3	1	5159	4.25	125	85.25	0	4.18	0.61	0.39	2.12	0	0	0	0	0	0	-12.87	-12.87
Gardiner Substation	G_Sub	366586.3	4903350	2.5	0	0	81.8	81.8	1	5159	4.25	250	85.25	0	2.64	2.18	0.39	5.38	0	0	0	0	0	0	-13.65	-13.65
Gardiner Substation	G_Sub	366586.3	4903350	2.5	0	0	87.2	87.2	1	5159	4.25	500	85.25	0	-1.21	4.87	0.39	9.95	0	0	0	0	0	0	-11.65	-11.65
Gardiner Substation	G_Sub	366586.3	4903350	2.5	0	0	84.4	84.4	1	5159	4.25	1000	85.25	0	-1.75	4.96	0.39	18.87	0	0	0	0	0	0	-22.93	-22.93
Gardiner Substation	G_Sub	366586.3	4903350	2.5	0	0	80.6	80.6	1	5159	4.25	2000	85.25	0	-1.76	5.14	0.39	49.85	0	0	0	0	0	0	-57.89	-57.89
Gardiner Substation	G_Sub	366586.3	4903350	2.5	0	0	75.4	75.4	1	5159	4.25	4000	85.25	0	-1.76	5.49	0.39	169.1	0	0	0	0	0	0	-182.6	-182.6
Gardiner Substation	G_Sub	366586.3	4903350	2.5	0	0	66.3	66.3	1	5159	4.25	8000	85.25	0	-1.76	6.1	0.39	603	0	0	0	0	0	0	-626.3	-626.3
Inverters	S_24_1_I	365313	4904994	2	0	0	69.6	69.6	1	4443	3.25	125	83.95	0	4.42	0	0	1.83	0	0	0	0	0	0	-20.57	-20.57
Inverters	S_24_1_I	365313	4904994	2	0	0	78.6	78.6	1	4443	3.25	250	83.95	0	3.41	0	0	4.64	0	0	0	0	0	0	-13.36	-13.36
Inverters	S_24_1_I	365313	4904994	2	0	0	82.1	82.1	1	4443	3.25	500	83.95	0	-0.2	0	0	8.57	0	0	0	0	0	0	-10.2	-10.2
Inverters	S_24_1_I	365313	4904994	2	0	0	75.7	75.7	1	4443	3.25	1000	83.95	0	-1.66	0	0	16.25	0	0	0	0	0	0	-22.8	-22.8
Inverters	S_24_1_I	365313	4904994	2	0	0	73.6	73.6	1	4443	3.25	2000	83.95	0	-1.76	0	0	42.94	0	0	0	0	0	0	-51.51	-51.51
Inverters	S_24_1_I	365313	4904994	2	0	0	87	87	1	4443	3.25	4000	83.95	0	-1.76	0	0	145.6	0	0	0	0	0	0	-140.8	-140.8
Inverters	S_23_1_I	364448	4906039	2	0	0	69.6	69.6	1	4506	3.25	125	84.08	0	4.42	0	0	1.85	0	0	0	0	0	0	-20.72	-20.72
Inverters	S_23_1_I	364448	4906039	2	0	0	78.6	78.6	1	4506	3.25	250	84.08	0	3.41	0	0	4.7	0	0	0	0	0	0	-13.55	-13.55
Inverters	S_23_1_I	364448	4906039	2	0	0	82.1	82.1	1	4506	3.25	500	84.08	0	-0.2	0	0	8.69	0	0	0	0	0	0	-10.44	-10.44
Inverters	S_23_1_I	364448	4906039	2	0	0	75.7	75.7	1	4506	3.25	1000	84.08	0	-1.67	0	0	16.48	0	0	0	0	0	0	-23.16	-23.16
Inverters	S_23_1_I	364448	4906039	2	0	0	73.6	73.6	1	4506	3.25	2000	84.08	0	-1.76	0	0	43.55	0	0	0	0	0	0	-52.24	-52.24
Inverters	S_23_1_I	364448	4906039	2	0	0	87	87	1	4506	3.25	4000	84.08	0	-1.76	0	0	147.7	0	0	0	0	0	0	-143	-143
Hut4Inverter1	W_H4I1	369417.3	4906578	2	0	0	57.2	57.2	1	1883	3.25	63	76.5	0	-5.69	0	0	0.23	0	0	0	0	0	0	-13.84	-13.84
Hut4Inverter1	W_H4I1	369417.3	4906578	2	0	0	72.5	72.5	1	1883	3.25	125	76.5	0	4.47	0	0	0.77	0	0	0	0	0	0	-9.24	-9.24
Hut4Inverter1	W_H4I1	369417.3	4906578	2	0	0	71.2	71.2	1	1883	3.25	250	76.5	0	3.47	0	0	1.96	0	0	0	0	0	0	-10.73	-10.73
Hut4Inverter1	W_H4I1	369417.3	4906578	2	0	0	75.8	75.8	1	1883	3.25	500	76.5	0	-0.15	0	0	3.63	0	0	0	0	0	0	-4.18	-4.18
Hut4Inverter1	W_H4I1	369417.3	4906578	2	0	0	75	75	1	1883	3.25	1000	76.5	0	-1.61	0	0	6.89	0	0	0	0	0	0	-6.77	-6.77
Hut4Inverter1	W_H4I1	369417.3	4906578	2	0	0	71.3	71.3	1	1883	3.25	2000	76.5	0	-1.71	0	0	18.19	0	0	0	0	0	0	-21.68	-21.68
Hut4Inverter1	W_H4I1	369417.3	4906578	2	0	0	69.3	69.3	1	1883	3.25	4000	76.5	0	-1.71	0	0	61.7	0	0	0	0	0	0	-67.19	-67.19
Hut4Inverter1	W_H4I1	369417.3	4906578	2	0	0	72.1	72.1	1	1883	3.25	8000	76.5	0	-1.71	0	0	220.1	0	0	0	0	0	0	-222.7	-222.7
Hut4Inverter2	W_H4I2	369419.8	4906578	2	0	0	57.2	57.2	1	1884	3.25	63	76.5	0	-5.69	0	0	0.23	0	0	0	0	0	0	-13.84	-13.84
Hut4Inverter2	W_H4I2	369419.8	4906578	2	0	0	72.5	72.5	1	1884	3.25	125	76.5	0	4.47	0	0	0.77	0	0	0	0	0	0	-9.25	-9.25
Hut4Inverter2	W_H4I2	369419.8	4906578	2	0	0	71.2	71.2	1	1884	3.25	250	76.5	0	3.47	0	0	1.97	0	0	0	0	0	0	-10.73	-10.73
Hut4Inverter2	W_H4I2	369419.8	4906578	2	0	0	75.8	75.8	1	1884	3.25	500	76.5	0	-0.15	0	0	3.63	0	0	0	0	0	0	-4.18	-4.18
Hut4Inverter2	W_H4I2	369419.8	4906578	2	0	0	75	75	1	1884	3.25	1000	76.5	0	-1.61	0	0	6.89	0	0	0	0	0	0	-6.78	-6.78
Hut4Inverter2	W_H4I2	369419.8	4906578	2	0	0	71.3	71.3	1	1884	3.25	2000	76.5	0	-1.71	0	0	18.21	0	0	0	0	0	0	-21.7	-21.7
Hut4Inverter2	W_H4I2	369419.8	4906578	2	0	0	69.3	69.3	1	1884	3.25	4000	76.5	0	-1.71	0	0	61.74	0	0	0	0	0	0	-67.24	-67.24
Hut4Inverter2	W_H4I2	369419.8	4906578	2	0	0	72.1	72.1	1	1884	3.25	8000	76.5	0	-1.71	0	0	220.2	0	0	0	0	0	0	-222.9	-222.9
Inverter Transformer	S_25A_8_T	369256	4909001	2	0	0	65.3	65.3	1	1179	3.25	32	72.43	0	-5.5	0	0	0.04	0	0	0	0	0	0	-1.66	-1.66
Inverter Transformer	S_25A_8_T	369256	4909001	2	0	0	71.3	71.3	1	1179	3.25	63	72.43	0	-5.5	0	0	0.14	0	0	0	0	0	0	4.23	4.23
Inverter Transformer	S_25A_8_T	369256	4909001	2	0	0	73.3	73.3	1	1179	3.25	125	72.43	0	4.46	0	0	0.48	0	0	0	0	0	0	-4.07	-4.07
Inverter Transformer	S_25A_8_T	369256	4909001	2	0	0	68.3	68.3	1	1179	3.25	250	72.43	0	3.52	0	0	1.23	0	0	0	0	0	0	-8.88	-8.88
Inverter Transformer	S_25A_8_T	369256	4909001	2	0	0	68.3	68.3	1	1179	3.25	500	72.43	0	-0.09	0	0	2.27	0	0	0	0	0	0	-6.31	-6.31
Inverter Transformer	S_25A_8_T	369256	4909001	2	0	0	62.3	62.3	1	1179	3.25	1000	72.43	0	-1.56	0	0	4.31	0	0	0	0	0	0	-12.88	-12.88
Inverter Transformer	S_25A_8_T	369256	4909001	2	0	0	57.3	57.3	1	1179	3.25	2000	72.43	0	-1.65	0	0	11.39	0	0	0	0	0	0	-24.87	-24.87
Inverter Transformer	S_25A_8_T	369256	4909001	2	0	0	52.3	52.3	1	1179	3.25	4000	72.43	0	-1.65	0	0	38.63	0	0	0	0	0	0	-57.11	-57.11
Inverter Transformer	S_25A_8_T	369256	4909001	2	0	0	45.3	45.3	1	1179	3.25	8000	72.43	0	-1.65	0	0	137.8	0	0	0	0	0	0	-163.3	-163.3
Inverter Transformer	S_25B_7_T	369026	4909199	2	0	0	65.3	65.3	1	1193	3.25	32	72.53	0	-5.51	0	0	0.04	0	0	0	0	0	0	-1.76	-1.76
Inverter Transformer	S_25B_7_T	369026	4909199	2	0	0	71.3	71.3	1	1193	3.25	63	72.53	0	-5.51	0	0	0.15	0	0	0	0	0	0	4.13	4.13
Inverter Transformer	S_25B_7_T	369026	4909199	2	0	0	73.3	73.3	1	1193	3.25	125	72.53	0	4.46	0	0	0.49	0	0	0	0	0	0	-4.19	-4.19
Inverter Transformer	S_25B_7_T	369026	4909199	2	0	0	68.3	68.3	1	1193	3.25	250	72.53	0	3.52	0	0	1.24	0	0	0	0	0	0	-9	-9
Inverter Transformer	S_25B_7_T	369026	4909199	2	0	0	68.3	68.3	1	1193	3.25	500	72.53	0	-0.1	0	0	2.3	0	0	0	0	0	0	-6.44	-6.44
Inverter Transformer	S_25B_7_T	369026	4909199	2	0	0	62.3	62.3	1	1193	3.25	1000	72.53	0	-1.56	0	0	4.36	0	0	0	0	0	0	-13.04	-13.04
Inverter Transformer	S_25B_7_T	369026	4909199	2	0	0	57.3	57.3	1	1193	3.25	2000	72.53	0	-1.65	0	0	11.53	0	0	0	0	0	0	-25.11	-25.11
Inverter Transformer	S_25B_7_T	369026	4909199	2	0	0	52.3	52.3	1	1193	3.25	4000	72.53	0	-1.65	0	0	39.1	0	0	0	0	0	0	-57.68	-57.68
Inverter Transformer	S_25B_7_T	369026	4909199	2	0	0	45.3	45.3	1	1193	3.25	8000	72.53	0	-1.65	0	0	139.5	0	0	0	0	0	0	-165	-165
Inverter Transformer	S_4_3_T	369289	4909001	2	0	0	65.3	65.3	1	1202	3.25	32	72.6	0	-5.51	0	0	0.04	0	0	0	0	0	0	-1.83	-1.83
Inverter Transformer	S_4_3_T	369289	4909001	2	0	0	71.3	71.3	1	1202	3.25	63	72.6	0	-5.51	0	0	0.15	0	0	0	0	0	0	4.07	4.07

Inverter Transformer	S_4_3_T	369289	4909001	2	0	0	73.3	73.3	1	1202	3.25	125	72.6	0	4.47	0	0	0.49	0	0	0	0	0	0	-4.26	-4.26
Inverter Transformer	S_4_3_T	369289	4909001	2	0	0	68.3	68.3	1	1202	3.25	250	72.6	0	3.52	0	0	1.25	0	0	0	0	0	0	-9.08	-9.08
Inverter Transformer	S_4_3_T	369289	4909001	2	0	0	68.3	68.3	1	1202	3.25	500	72.6	0	-0.1	0	0	2.32	0	0	0	0	0	0	-6.52	-6.52
Inverter Transformer	S_4_3_T	369289	4909001	2	0	0	62.3	62.3	1	1202	3.25	1000	72.6	0	-1.56	0	0	4.4	0	0	0	0	0	0	-13.14	-13.14
Inverter Transformer	S_4_3_T	369289	4909001	2	0	0	57.3	57.3	1	1202	3.25	2000	72.6	0	-1.65	0	0	11.62	0	0	0	0	0	0	-25.27	-25.27
Inverter Transformer	S_4_3_T	369289	4909001	2	0	0	52.3	52.3	1	1202	3.25	4000	72.6	0	-1.65	0	0	39.41	0	0	0	0	0	0	-58.05	-58.05
Inverter Transformer	S_4_3_T	369289	4909001	2	0	0	45.3	45.3	1	1202	3.25	8000	72.6	0	-1.65	0	0	140.6	0	0	0	0	0	0	-166.2	-166.2
Hut8Inverter1	W_H8I1	369575.8	4906578	2	0	0	57.2	57.2	1	1972	3.25	63	76.9	0	-5.7	0	0	0.24	0	0	0	0	0	0	-14.23	-14.23
Hut8Inverter1	W_H8I1	369575.8	4906578	2	0	0	72.5	72.5	1	1972	3.25	125	76.9	0	4.47	0	0	0.81	0	0	0	0	0	0	-9.67	-9.67
Hut8Inverter1	W_H8I1	369575.8	4906578	2	0	0	71.2	71.2	1	1972	3.25	250	76.9	0	3.46	0	0	2.06	0	0	0	0	0	0	-11.21	-11.21
Hut8Inverter1	W_H8I1	369575.8	4906578	2	0	0	75.8	75.8	1	1972	3.25	500	76.9	0	-0.15	0	0	3.8	0	0	0	0	0	0	-4.74	-4.74
Hut8Inverter1	W_H8I1	369575.8	4906578	2	0	0	75	75	1	1972	3.25	1000	76.9	0	-1.62	0	0	7.21	0	0	0	0	0	0	-7.49	-7.49
Hut8Inverter1	W_H8I1	369575.8	4906578	2	0	0	71.3	71.3	1	1972	3.25	2000	76.9	0	-1.71	0	0	19.05	0	0	0	0	0	0	-22.94	-22.94
Hut8Inverter1	W_H8I1	369575.8	4906578	2	0	0	69.3	69.3	1	1972	3.25	4000	76.9	0	-1.71	0	0	64.61	0	0	0	0	0	0	-70.49	-70.49
Hut8Inverter1	W_H8I1	369575.8	4906578	2	0	0	72.1	72.1	1	1972	3.25	8000	76.9	0	-1.71	0	0	230.4	0	0	0	0	0	0	-233.5	-233.5
Hut8Inverter2	W_H8I2	369578.3	4906578	2	0	0	57.2	57.2	1	1973	3.25	63	76.9	0	-5.7	0	0	0.24	0	0	0	0	0	0	-14.24	-14.24
Hut8Inverter2	W_H8I2	369578.3	4906578	2	0	0	72.5	72.5	1	1973	3.25	125	76.9	0	4.47	0	0	0.81	0	0	0	0	0	0	-9.68	-9.68
Hut8Inverter2	W_H8I2	369578.3	4906578	2	0	0	71.2	71.2	1	1973	3.25	250	76.9	0	3.46	0	0	2.06	0	0	0	0	0	0	-11.22	-11.22
Hut8Inverter2	W_H8I2	369578.3	4906578	2	0	0	75.8	75.8	1	1973	3.25	500	76.9	0	-0.15	0	0	3.8	0	0	0	0	0	0	-4.75	-4.75
Hut8Inverter2	W_H8I2	369578.3	4906578	2	0	0	75	75	1	1973	3.25	1000	76.9	0	-1.62	0	0	7.22	0	0	0	0	0	0	-7.5	-7.5
Hut8Inverter2	W_H8I2	369578.3	4906578	2	0	0	71.3	71.3	1	1973	3.25	2000	76.9	0	-1.71	0	0	19.07	0	0	0	0	0	0	-22.96	-22.96
Hut8Inverter2	W_H8I2	369578.3	4906578	2	0	0	69.3	69.3	1	1973	3.25	4000	76.9	0	-1.71	0	0	64.65	0	0	0	0	0	0	-70.55	-70.55
Hut8Inverter2	W_H8I2	369578.3	4906578	2	0	0	72.1	72.1	1	1973	3.25	8000	76.9	0	-1.71	0	0	230.6	0	0	0	0	0	0	-233.7	-233.7
Hut9Inverter1	W_H9I1	369382.1	4906388	2	0	0	57.2	57.2	1	2030	3.25	63	77.15	0	-5.71	0	0	0.25	0	0	0	0	0	0	-14.48	-14.48
Hut9Inverter1	W_H9I1	369382.1	4906388	2	0	0	72.5	72.5	1	2030	3.25	125	77.15	0	4.47	0	0	0.83	0	0	0	0	0	0	-9.95	-9.95
Hut9Inverter1	W_H9I1	369382.1	4906388	2	0	0	71.2	71.2	1	2030	3.25	250	77.15	0	3.46	0	0	2.12	0	0	0	0	0	0	-11.53	-11.53
Hut9Inverter1	W_H9I1	369382.1	4906388	2	0	0	75.8	75.8	1	2030	3.25	500	77.15	0	-0.16	0	0	3.91	0	0	0	0	0	0	-5.1	-5.1
Hut9Inverter1	W_H9I1	369382.1	4906388	2	0	0	75	75	1	2030	3.25	1000	77.15	0	-1.62	0	0	7.42	0	0	0	0	0	0	-7.95	-7.95
Hut9Inverter1	W_H9I1	369382.1	4906388	2	0	0	71.3	71.3	1	2030	3.25	2000	77.15	0	-1.71	0	0	19.61	0	0	0	0	0	0	-23.75	-23.75
Hut9Inverter1	W_H9I1	369382.1	4906388	2	0	0	69.3	69.3	1	2030	3.25	4000	77.15	0	-1.71	0	0	66.51	0	0	0	0	0	0	-72.64	-72.64
Hut9Inverter1	W_H9I1	369382.1	4906388	2	0	0	72.1	72.1	1	2030	3.25	8000	77.15	0	-1.71	0	0	237.2	0	0	0	0	0	0	-240.6	-240.6
Hut9Inverter2	W_H9I2	369384.6	4906388	2	0	0	57.2	57.2	1	2031	3.25	63	77.15	0	-5.71	0	0	0.25	0	0	0	0	0	0	-14.49	-14.49
Hut9Inverter2	W_H9I2	369384.6	4906388	2	0	0	72.5	72.5	1	2031	3.25	125	77.15	0	4.47	0	0	0.83	0	0	0	0	0	0	-9.95	-9.95
Hut9Inverter2	W_H9I2	369384.6	4906388	2	0	0	71.2	71.2	1	2031	3.25	250	77.15	0	3.46	0	0	2.12	0	0	0	0	0	0	-11.53	-11.53
Hut9Inverter2	W_H9I2	369384.6	4906388	2	0	0	75.8	75.8	1	2031	3.25	500	77.15	0	-0.16	0	0	3.92	0	0	0	0	0	0	-5.11	-5.11
Hut9Inverter2	W_H9I2	369384.6	4906388	2	0	0	75	75	1	2031	3.25	1000	77.15	0	-1.62	0	0	7.43	0	0	0	0	0	0	-7.96	-7.96
Hut9Inverter2	W_H9I2	369384.6	4906388	2	0	0	71.3	71.3	1	2031	3.25	2000	77.15	0	-1.71	0	0	19.62	0	0	0	0	0	0	-23.76	-23.76
Hut9Inverter2	W_H9I2	369384.6	4906388	2	0	0	69.3	69.3	1	2031	3.25	4000	77.15	0	-1.71	0	0	66.55	0	0	0	0	0	0	-72.69	-72.69
Hut9Inverter2	W_H9I2	369384.6	4906388	2	0	0	72.1	72.1	1	2031	3.25	8000	77.15	0	-1.71	0	0	237.4	0	0	0	0	0	0	-240.7	-240.7
Hut7Inverter1	W_H7I1	369722.3	4906578	2	0	0	57.2	57.2	1	2061	3.25	63	77.28	0	-5.72	0	0	0.25	0	0	0	0	0	0	-14.62	-14.62
Hut7Inverter1	W_H7I1	369722.3	4906578	2	0	0	72.5	72.5	1	2061	3.25	125	77.28	0	4.46	0	0	0.85	0	0	0	0	0	0	-10.09	-10.09
Hut7Inverter1	W_H7I1	369722.3	4906578	2	0	0	71.2	71.2	1	2061	3.25	250	77.28	0	3.46	0	0	2.15	0	0	0	0	0	0	-11.69	-11.69
Hut7Inverter1	W_H7I1	369722.3	4906578	2	0	0	75.8	75.8	1	2061	3.25	500	77.28	0	-0.16	0	0	3.97	0	0	0	0	0	0	-5.3	-5.3
Hut7Inverter1	W_H7I1	369722.3	4906578	2	0	0	75	75	1	2061	3.25	1000	77.28	0	-1.62	0	0	7.54	0	0	0	0	0	0	-8.2	-8.2
Hut7Inverter1	W_H7I1	369722.3	4906578	2	0	0	71.3	71.3	1	2061	3.25	2000	77.28	0	-1.71	0	0	19.92	0	0	0	0	0	0	-24.18	-24.18
Hut7Inverter1	W_H7I1	369722.3	4906578	2	0	0	69.3	69.3	1	2061	3.25	4000	77.28	0	-1.71	0	0	67.54	0	0	0	0	0	0	-73.81	-73.81
Hut7Inverter1	W_H7I1	369722.3	4906578	2	0	0	72.1	72.1	1	2061	3.25	8000	77.28	0	-1.71	0	0	240.9	0	0	0	0	0	0	-244.4	-244.4
Hut7Inverter2	W_H7I2	369724.8	4906578	2	0	0	57.2	57.2	1	2063	3.25	63	77.29	0	-5.72	0	0	0.25	0	0	0	0	0	0	-14.62	-14.62
Hut7Inverter2	W_H7I2	369724.8	4906578	2	0	0	72.5	72.5	1	2063	3.25	125	77.29	0	4.46	0	0	0.85	0	0	0	0	0	0	-10.1	-10.1
Hut7Inverter2	W_H7I2	369724.8	4906578	2	0	0	71.2	71.2	1	2063	3.25	250	77.29	0	3.46	0	0	2.15	0	0	0	0	0	0	-11.7	-11.7
Hut7Inverter2	W_H7I2	369724.8	4906578	2	0	0	75.8	75.8	1	2063	3.25	500	77.29	0	-0.16	0	0	3.98	0	0	0	0	0	0	-5.31	-5.31
Hut7Inverter2	W_H7I2	369724.8	4906578	2	0	0	75	75	1	2063	3.25	1000	77.29	0	-1.62	0	0	7.54	0	0	0	0	0	0	-8.21	-8.21
Hut7Inverter2	W_H7I2	369724.8	4906578	2	0	0	71.3	71.3	1	2063	3.25	2000	77.29	0	-1.71	0	0	19.93	0	0	0	0	0	0	-24.21	-24.21
Hut7Inverter2	W_H7I2	369724.8	4906578	2	0	0	69.3	69.3	1	2063	3.25	4000	77.29	0	-1.71	0	0	67.59	0	0	0	0	0	0	-73.87	-73.87
Hut7Inverter2	W_H7I2	369724.8	4906578	2	0	0	72.1	72.1	1	2063	3.25	8000	77.29	0	-1.71	0	0	241.1	0	0	0	0	0	0	-244.6	-244.6

Inverter Transformer	S_25A_7_T	369247	4909199	2	0	0	65.3	65.3	1	1320	3.25	32	73.41	0	-5.56	0	0	0.04	0	0	0	0	0	0	-2.59	-2.59
Inverter Transformer	S_25A_7_T	369247	4909199	2	0	0	71.3	71.3	1	1320	3.25	63	73.41	0	-5.56	0	0	0.16	0	0	0	0	0	0	3.29	3.29
Inverter Transformer	S_25A_7_T	369247	4909199	2	0	0	73.3	73.3	1	1320	3.25	125	73.41	0	4.49	0	0	0.54	0	0	0	0	0	0	-5.14	-5.14
Inverter Transformer	S_25A_7_T	369247	4909199	2	0	0	68.3	68.3	1	1320	3.25	250	73.41	0	3.51	0	0	1.38	0	0	0	0	0	0	-9.99	-9.99
Inverter Transformer	S_25A_7_T	369247	4909199	2	0	0	68.3	68.3	1	1320	3.25	500	73.41	0	-0.11	0	0	2.54	0	0	0	0	0	0	-7.54	-7.54
Inverter Transformer	S_25A_7_T	369247	4909199	2	0	0	62.3	62.3	1	1320	3.25	1000	73.41	0	-1.57	0	0	4.83	0	0	0	0	0	0	-14.37	-14.37
Inverter Transformer	S_25A_7_T	369247	4909199	2	0	0	57.3	57.3	1	1320	3.25	2000	73.41	0	-1.67	0	0	12.75	0	0	0	0	0	0	-27.2	-27.2
Inverter Transformer	S_25A_7_T	369247	4909199	2	0	0	52.3	52.3	1	1320	3.25	4000	73.41	0	-1.67	0	0	43.25	0	0	0	0	0	0	-62.69	-62.69
Inverter Transformer	S_25A_7_T	369247	4909199	2	0	0	45.3	45.3	1	1320	3.25	8000	73.41	0	-1.67	0	0	154.3	0	0	0	0	0	0	-180.7	-180.7
Inverter Transformer	S_4_2_T	369282	4909199	2	0	0	65.3	65.3	1	1342	3.25	32	73.55	0	-5.56	0	0	0.04	0	0	0	0	0	0	-2.73	-2.73
Inverter Transformer	S_4_2_T	369282	4909199	2	0	0	71.3	71.3	1	1342	3.25	63	73.55	0	-5.56	0	0	0.16	0	0	0	0	0	0	3.15	3.15
Inverter Transformer	S_4_2_T	369282	4909199	2	0	0	73.3	73.3	1	1342	3.25	125	73.55	0	4.49	0	0	0.55	0	0	0	0	0	0	-5.29	-5.29
Inverter Transformer	S_4_2_T	369282	4909199	2	0	0	68.3	68.3	1	1342	3.25	250	73.55	0	3.5	0	0	1.4	0	0	0	0	0	0	-10.16	-10.16
Inverter Transformer	S_4_2_T	369282	4909199	2	0	0	68.3	68.3	1	1342	3.25	500	73.55	0	-0.11	0	0	2.59	0	0	0	0	0	0	-7.73	-7.73
Inverter Transformer	S_4_2_T	369282	4909199	2	0	0	62.3	62.3	1	1342	3.25	1000	73.55	0	-1.57	0	0	4.91	0	0	0	0	0	0	-14.59	-14.59
Inverter Transformer	S_4_2_T	369282	4909199	2	0	0	57.3	57.3	1	1342	3.25	2000	73.55	0	-1.67	0	0	12.97	0	0	0	0	0	0	-27.55	-27.55
Inverter Transformer	S_4_2_T	369282	4909199	2	0	0	52.3	52.3	1	1342	3.25	4000	73.55	0	-1.67	0	0	43.98	0	0	0	0	0	0	-63.56	-63.56
Inverter Transformer	S_4_2_T	369282	4909199	2	0	0	45.3	45.3	1	1342	3.25	8000	73.55	0	-1.67	0	0	156.9	0	0	0	0	0	0	-183.4	-183.4
Hut5Inverter1	W_H5I1	369874.7	4906578	2	0	0	57.2	57.2	1	2161	3.25	63	77.69	0	-5.73	0	0	0.26	0	0	0	0	0	0	-15.03	-15.03
Hut5Inverter1	W_H5I1	369874.7	4906578	2	0	0	72.5	72.5	1	2161	3.25	125	77.69	0	4.46	0	0	0.89	0	0	0	0	0	0	-10.54	-10.54
Hut5Inverter1	W_H5I1	369874.7	4906578	2	0	0	71.2	71.2	1	2161	3.25	250	77.69	0	3.45	0	0	2.25	0	0	0	0	0	0	-12.2	-12.2
Hut5Inverter1	W_H5I1	369874.7	4906578	2	0	0	75.8	75.8	1	2161	3.25	500	77.69	0	-0.16	0	0	4.17	0	0	0	0	0	0	-5.9	-5.9
Hut5Inverter1	W_H5I1	369874.7	4906578	2	0	0	75	75	1	2161	3.25	1000	77.69	0	-1.62	0	0	7.9	0	0	0	0	0	0	-8.97	-8.97
Hut5Inverter1	W_H5I1	369874.7	4906578	2	0	0	71.3	71.3	1	2161	3.25	2000	77.69	0	-1.72	0	0	20.88	0	0	0	0	0	0	-25.55	-25.55
Hut5Inverter1	W_H5I1	369874.7	4906578	2	0	0	69.3	69.3	1	2161	3.25	4000	77.69	0	-1.72	0	0	70.81	0	0	0	0	0	0	-77.48	-77.48
Hut5Inverter1	W_H5I1	369874.7	4906578	2	0	0	72.1	72.1	1	2161	3.25	8000	77.69	0	-1.72	0	0	252.6	0	0	0	0	0	0	-256.4	-256.4
Hut5Inverter2	W_H5I2	369877.2	4906578	2	0	0	57.2	57.2	1	2162	3.25	63	77.7	0	-5.73	0	0	0.26	0	0	0	0	0	0	-15.03	-15.03
Hut5Inverter2	W_H5I2	369877.2	4906578	2	0	0	72.5	72.5	1	2162	3.25	125	77.7	0	4.46	0	0	0.89	0	0	0	0	0	0	-10.55	-10.55
Hut5Inverter2	W_H5I2	369877.2	4906578	2	0	0	71.2	71.2	1	2162	3.25	250	77.7	0	3.45	0	0	2.26	0	0	0	0	0	0	-12.21	-12.21
Hut5Inverter2	W_H5I2	369877.2	4906578	2	0	0	75.8	75.8	1	2162	3.25	500	77.7	0	-0.16	0	0	4.17	0	0	0	0	0	0	-5.91	-5.91
Hut5Inverter2	W_H5I2	369877.2	4906578	2	0	0	75	75	1	2162	3.25	1000	77.7	0	-1.62	0	0	7.91	0	0	0	0	0	0	-8.99	-8.99
Hut5Inverter2	W_H5I2	369877.2	4906578	2	0	0	71.3	71.3	1	2162	3.25	2000	77.7	0	-1.72	0	0	20.9	0	0	0	0	0	0	-25.58	-25.58
Hut5Inverter2	W_H5I2	369877.2	4906578	2	0	0	69.3	69.3	1	2162	3.25	4000	77.7	0	-1.72	0	0	70.86	0	0	0	0	0	0	-77.54	-77.54
Hut5Inverter2	W_H5I2	369877.2	4906578	2	0	0	72.1	72.1	1	2162	3.25	8000	77.7	0	-1.72	0	0	252.8	0	0	0	0	0	0	-256.6	-256.6
Inverter Transformer	S_25B_6_T	369018	4909397	2	0	0	65.3	65.3	1	1364	3.25	32	73.69	0	-5.57	0	0	0.04	0	0	0	0	0	0	-2.87	-2.87
Inverter Transformer	S_25B_6_T	369018	4909397	2	0	0	71.3	71.3	1	1364	3.25	63	73.69	0	-5.57	0	0	0.17	0	0	0	0	0	0	3.01	3.01
Inverter Transformer	S_25B_6_T	369018	4909397	2	0	0	73.3	73.3	1	1364	3.25	125	73.69	0	4.49	0	0	0.56	0	0	0	0	0	0	-5.44	-5.44
Inverter Transformer	S_25B_6_T	369018	4909397	2	0	0	68.3	68.3	1	1364	3.25	250	73.69	0	3.5	0	0	1.42	0	0	0	0	0	0	-10.32	-10.32
Inverter Transformer	S_25B_6_T	369018	4909397	2	0	0	68.3	68.3	1	1364	3.25	500	73.69	0	-0.11	0	0	2.63	0	0	0	0	0	0	-7.91	-7.91
Inverter Transformer	S_25B_6_T	369018	4909397	2	0	0	62.3	62.3	1	1364	3.25	1000	73.69	0	-1.58	0	0	4.99	0	0	0	0	0	0	-14.81	-14.81
Inverter Transformer	S_25B_6_T	369018	4909397	2	0	0	57.3	57.3	1	1364	3.25	2000	73.69	0	-1.67	0	0	13.18	0	0	0	0	0	0	-27.9	-27.9
Inverter Transformer	S_25B_6_T	369018	4909397	2	0	0	52.3	52.3	1	1364	3.25	4000	73.69	0	-1.67	0	0	44.69	0	0	0	0	0	0	-64.41	-64.41
Inverter Transformer	S_25B_6_T	369018	4909397	2	0	0	45.3	45.3	1	1364	3.25	8000	73.69	0	-1.67	0	0	159.4	0	0	0	0	0	0	-186.1	-186.1
Hut3Inverter1	W_H3I1	369323.4	4906173	2	0	0	57.2	57.2	1	2196	3.25	63	77.83	0	-5.73	0	0	0.27	0	0	0	0	0	0	-15.17	-15.17
Hut3Inverter1	W_H3I1	369323.4	4906173	2	0	0	72.5	72.5	1	2196	3.25	125	77.83	0	4.46	0	0	0.9	0	0	0	0	0	0	-10.69	-10.69
Hut3Inverter1	W_H3I1	369323.4	4906173	2	0	0	71.2	71.2	1	2196	3.25	250	77.83	0	3.45	0	0	2.29	0	0	0	0	0	0	-12.38	-12.38
Hut3Inverter1	W_H3I1	369323.4	4906173	2	0	0	75.8	75.8	1	2196	3.25	500	77.83	0	-0.16	0	0	4.23	0	0	0	0	0	0	-6.1	-6.1
Hut3Inverter1	W_H3I1	369323.4	4906173	2	0	0	75	75	1	2196	3.25	1000	77.83	0	-1.62	0	0	8.03	0	0	0	0	0	0	-9.24	-9.24
Hut3Inverter1	W_H3I1	369323.4	4906173	2	0	0	71.3	71.3	1	2196	3.25	2000	77.83	0	-1.72	0	0	21.22	0	0	0	0	0	0	-26.03	-26.03
Hut3Inverter1	W_H3I1	369323.4	4906173	2	0	0	69.3	69.3	1	2196	3.25	4000	77.83	0	-1.72	0	0	71.96	0	0	0	0	0	0	-78.77	-78.77
Hut3Inverter1	W_H3I1	369323.4	4906173	2	0	0	72.1	72.1	1	2196	3.25	8000	77.83	0	-1.72	0	0	256.7	0	0	0	0	0	0	-260.7	-260.7
Hut3Inverter2	W_H3I2	369325.9	4906173	2	0	0	57.2	57.2	1	2197	3.25	63	77.84	0	-5.73	0	0	0.27	0	0	0	0	0	0	-15.17	-15.17
Hut3Inverter2	W_H3I2	369325.9	4906173	2	0	0	72.5	72.5	1	2197	3.25	125	77.84	0	4.46	0	0	0.9	0	0	0	0	0	0	-10.7	-10.7
Hut3Inverter2	W_H3I2	369325.9	4906173	2	0	0	71.2	71.2	1	2197	3.25	250	77.84	0	3.45	0	0	2.29	0	0	0	0	0	0	-12.38	-12.38
Hut3Inverter2	W_H3I2	369325.9	4906173	2	0	0	75.8	75.8	1	2197	3.25	500	77.84	0	-0.16	0	0	4.24	0	0	0	0	0	0	-6.11	-6.11

Hut3Inverter2	W_H3I2	369325.9	4906173	2	0	0	75	75	1	2197	3.25	1000	77.84	0	-1.62	0	0	8.04	0	0	0	0	0	0	-9.25	-9.25
Hut3Inverter2	W_H3I2	369325.9	4906173	2	0	0	71.3	71.3	1	2197	3.25	2000	77.84	0	-1.72	0	0	21.23	0	0	0	0	0	0	-26.05	-26.05
Hut3Inverter2	W_H3I2	369325.9	4906173	2	0	0	69.3	69.3	1	2197	3.25	4000	77.84	0	-1.72	0	0	71.99	0	0	0	0	0	0	-78.81	-78.81
Hut3Inverter2	W_H3I2	369325.9	4906173	2	0	0	72.1	72.1	1	2197	3.25	8000	77.84	0	-1.72	0	0	256.8	0	0	0	0	0	0	-260.8	-260.8
Hut10Inverter1	W_H10I1	369622.5	4906334	2	0	0	57.2	57.2	1	2199	3.25	63	77.84	0	-5.73	0	0	0.27	0	0	0	0	0	0	-15.18	-15.18
Hut10Inverter1	W_H10I1	369622.5	4906334	2	0	0	72.5	72.5	1	2199	3.25	125	77.84	0	4.46	0	0	0.9	0	0	0	0	0	0	-10.71	-10.71
Hut10Inverter1	W_H10I1	369622.5	4906334	2	0	0	71.2	71.2	1	2199	3.25	250	77.84	0	3.45	0	0	2.29	0	0	0	0	0	0	-12.39	-12.39
Hut10Inverter1	W_H10I1	369622.5	4906334	2	0	0	75.8	75.8	1	2199	3.25	500	77.84	0	-0.16	0	0	4.24	0	0	0	0	0	0	-6.12	-6.12
Hut10Inverter1	W_H10I1	369622.5	4906334	2	0	0	75	75	1	2199	3.25	1000	77.84	0	-1.62	0	0	8.04	0	0	0	0	0	0	-9.26	-9.26
Hut10Inverter1	W_H10I1	369622.5	4906334	2	0	0	71.3	71.3	1	2199	3.25	2000	77.84	0	-1.72	0	0	21.25	0	0	0	0	0	0	-26.07	-26.07
Hut10Inverter1	W_H10I1	369622.5	4906334	2	0	0	69.3	69.3	1	2199	3.25	4000	77.84	0	-1.72	0	0	72.06	0	0	0	0	0	0	-78.88	-78.88
Hut10Inverter1	W_H10I1	369622.5	4906334	2	0	0	72.1	72.1	1	2199	3.25	8000	77.84	0	-1.72	0	0	257	0	0	0	0	0	0	-261	-261
Hut10Inverter2	W_H10I2	369625.1	4906334	2	0	0	57.2	57.2	1	2200	3.25	63	77.85	0	-5.73	0	0	0.27	0	0	0	0	0	0	-15.18	-15.18
Hut10Inverter2	W_H10I2	369625.1	4906334	2	0	0	72.5	72.5	1	2200	3.25	125	77.85	0	4.46	0	0	0.9	0	0	0	0	0	0	-10.71	-10.71
Hut10Inverter2	W_H10I2	369625.1	4906334	2	0	0	71.2	71.2	1	2200	3.25	250	77.85	0	3.45	0	0	2.3	0	0	0	0	0	0	-12.4	-12.4
Hut10Inverter2	W_H10I2	369625.1	4906334	2	0	0	75.8	75.8	1	2200	3.25	500	77.85	0	-0.16	0	0	4.24	0	0	0	0	0	0	-6.13	-6.13
Hut10Inverter2	W_H10I2	369625.1	4906334	2	0	0	75	75	1	2200	3.25	1000	77.85	0	-1.62	0	0	8.05	0	0	0	0	0	0	-9.27	-9.27
Hut10Inverter2	W_H10I2	369625.1	4906334	2	0	0	71.3	71.3	1	2200	3.25	2000	77.85	0	-1.72	0	0	21.26	0	0	0	0	0	0	-26.09	-26.09
Hut10Inverter2	W_H10I2	369625.1	4906334	2	0	0	69.3	69.3	1	2200	3.25	4000	77.85	0	-1.72	0	0	72.1	0	0	0	0	0	0	-78.93	-78.93
Hut10Inverter2	W_H10I2	369625.1	4906334	2	0	0	72.1	72.1	1	2200	3.25	8000	77.85	0	-1.72	0	0	257.2	0	0	0	0	0	0	-261.2	-261.2
Hut6Inverter1	W_H6I1	369769.3	4906417	2	0	0	57.2	57.2	1	2216	3.25	63	77.91	0	-5.74	0	0	0.27	0	0	0	0	0	0	-15.25	-15.25
Hut6Inverter1	W_H6I1	369769.3	4906417	2	0	0	72.5	72.5	1	2216	3.25	125	77.91	0	4.46	0	0	0.91	0	0	0	0	0	0	-10.78	-10.78
Hut6Inverter1	W_H6I1	369769.3	4906417	2	0	0	71.2	71.2	1	2216	3.25	250	77.91	0	3.45	0	0	2.31	0	0	0	0	0	0	-12.48	-12.48
Hut6Inverter1	W_H6I1	369769.3	4906417	2	0	0	75.8	75.8	1	2216	3.25	500	77.91	0	-0.16	0	0	4.27	0	0	0	0	0	0	-6.22	-6.22
Hut6Inverter1	W_H6I1	369769.3	4906417	2	0	0	75	75	1	2216	3.25	1000	77.91	0	-1.63	0	0	8.11	0	0	0	0	0	0	-9.39	-9.39
Hut6Inverter1	W_H6I1	369769.3	4906417	2	0	0	71.3	71.3	1	2216	3.25	2000	77.91	0	-1.72	0	0	21.42	0	0	0	0	0	0	-26.31	-26.31
Hut6Inverter1	W_H6I1	369769.3	4906417	2	0	0	69.3	69.3	1	2216	3.25	4000	77.91	0	-1.72	0	0	72.63	0	0	0	0	0	0	-79.52	-79.52
Hut6Inverter1	W_H6I1	369769.3	4906417	2	0	0	72.1	72.1	1	2216	3.25	8000	77.91	0	-1.72	0	0	259.1	0	0	0	0	0	0	-263.1	-263.1
Hut6Inverter2	W_H6I2	369771.8	4906417	2	0	0	57.2	57.2	1	2218	3.25	63	77.92	0	-5.74	0	0	0.27	0	0	0	0	0	0	-15.25	-15.25
Hut6Inverter2	W_H6I2	369771.8	4906417	2	0	0	72.5	72.5	1	2218	3.25	125	77.92	0	4.46	0	0	0.91	0	0	0	0	0	0	-10.79	-10.79
Hut6Inverter2	W_H6I2	369771.8	4906417	2	0	0	71.2	71.2	1	2218	3.25	250	77.92	0	3.45	0	0	2.31	0	0	0	0	0	0	-12.48	-12.48
Hut6Inverter2	W_H6I2	369771.8	4906417	2	0	0	75.8	75.8	1	2218	3.25	500	77.92	0	-0.16	0	0	4.28	0	0	0	0	0	0	-6.23	-6.23
Hut6Inverter2	W_H6I2	369771.8	4906417	2	0	0	75	75	1	2218	3.25	1000	77.92	0	-1.63	0	0	8.11	0	0	0	0	0	0	-9.41	-9.41
Hut6Inverter2	W_H6I2	369771.8	4906417	2	0	0	71.3	71.3	1	2218	3.25	2000	77.92	0	-1.72	0	0	21.43	0	0	0	0	0	0	-26.33	-26.33
Hut6Inverter2	W_H6I2	369771.8	4906417	2	0	0	69.3	69.3	1	2218	3.25	4000	77.92	0	-1.72	0	0	72.68	0	0	0	0	0	0	-79.58	-79.58
Hut6Inverter2	W_H6I2	369771.8	4906417	2	0	0	72.1	72.1	1	2218	3.25	8000	77.92	0	-1.72	0	0	259.2	0	0	0	0	0	0	-263.3	-263.3
Hut2Inverter1	W_H2I1	369505.1	4906173	2	0	0	57.2	57.2	1	2277	3.25	63	78.15	0	-5.74	0	0	0.28	0	0	0	0	0	0	-15.48	-15.48
Hut2Inverter1	W_H2I1	369505.1	4906173	2	0	0	72.5	72.5	1	2277	3.25	125	78.15	0	4.46	0	0	0.94	0	0	0	0	0	0	-11.04	-11.04
Hut2Inverter1	W_H2I1	369505.1	4906173	2	0	0	71.2	71.2	1	2277	3.25	250	78.15	0	3.45	0	0	2.38	0	0	0	0	0	0	-12.77	-12.77
Hut2Inverter1	W_H2I1	369505.1	4906173	2	0	0	75.8	75.8	1	2277	3.25	500	78.15	0	-0.17	0	0	4.39	0	0	0	0	0	0	-6.57	-6.57
Hut2Inverter1	W_H2I1	369505.1	4906173	2	0	0	75	75	1	2277	3.25	1000	78.15	0	-1.63	0	0	8.33	0	0	0	0	0	0	-9.85	-9.85
Hut2Inverter1	W_H2I1	369505.1	4906173	2	0	0	71.3	71.3	1	2277	3.25	2000	78.15	0	-1.72	0	0	22	0	0	0	0	0	0	-27.13	-27.13
Hut2Inverter1	W_H2I1	369505.1	4906173	2	0	0	69.3	69.3	1	2277	3.25	4000	78.15	0	-1.72	0	0	74.61	0	0	0	0	0	0	-81.74	-81.74
Hut2Inverter1	W_H2I1	369505.1	4906173	2	0	0	72.1	72.1	1	2277	3.25	8000	78.15	0	-1.72	0	0	266.1	0	0	0	0	0	0	-270.4	-270.4
Hut2Inverter2	W_H2I2	369507.7	4906173	2	0	0	57.2	57.2	1	2278	3.25	63	78.15	0	-5.74	0	0	0.28	0	0	0	0	0	0	-15.49	-15.49
Hut2Inverter2	W_H2I2	369507.7	4906173	2	0	0	72.5	72.5	1	2278	3.25	125	78.15	0	4.46	0	0	0.94	0	0	0	0	0	0	-11.04	-11.04
Hut2Inverter2	W_H2I2	369507.7	4906173	2	0	0	71.2	71.2	1	2278	3.25	250	78.15	0	3.45	0	0	2.38	0	0	0	0	0	0	-12.78	-12.78
Hut2Inverter2	W_H2I2	369507.7	4906173	2	0	0	75.8	75.8	1	2278	3.25	500	78.15	0	-0.17	0	0	4.39	0	0	0	0	0	0	-6.58	-6.58
Hut2Inverter2	W_H2I2	369507.7	4906173	2	0	0	75	75	1	2278	3.25	1000	78.15	0	-1.63	0	0	8.33	0	0	0	0	0	0	-9.86	-9.86
Hut2Inverter2	W_H2I2	369507.7	4906173	2	0	0	71.3	71.3	1	2278	3.25	2000	78.15	0	-1.72	0	0	22.02	0	0	0	0	0	0	-27.14	-27.14
Hut2Inverter2	W_H2I2	369507.7	4906173	2	0	0	69.3	69.3	1	2278	3.25	4000	78.15	0	-1.72	0	0	74.65	0	0	0	0	0	0	-81.78	-81.78
Hut2Inverter2	W_H2I2	369507.7	4906173	2	0	0	72.1	72.1	1	2278	3.25	8000	78.15	0	-1.72	0	0	266.3	0	0	0	0	0	0	-270.6	-270.6
Inverter Transformer	S_25A_6_T	369240	4909397	2	0	0	65.3	65.3	1	1475	3.25	32	74.38	0	-5.6	0	0	0.05	0	0	0	0	0	0	-3.52	-3.52
Inverter Transformer	S_25A_6_T	369240	4909397	2	0	0	71.3	71.3	1	1475	3.25	63	74.38	0	-5.6	0	0	0.18	0	0	0	0	0	0	2.35	2.35
Inverter Transformer	S_25A_6_T	369240	4909397	2	0	0	73.3	73.3	1	1475	3.25	125	74.38	0	4.49	0	0	0.61	0	0	0	0	0	0	-6.17	-6.17

Inverter Transformer	S_25A_6_T	369240	4909397	2	0	0	68.3	68.3	1	1475	3.25	250	74.38	0	3.49	0	0	1.54	0	0	0	0	0	0	-11.11	-11.11
Inverter Transformer	S_25A_6_T	369240	4909397	2	0	0	68.3	68.3	1	1475	3.25	500	74.38	0	-0.12	0	0	2.84	0	0	0	0	0	0	-8.8	-8.8
Inverter Transformer	S_25A_6_T	369240	4909397	2	0	0	62.3	62.3	1	1475	3.25	1000	74.38	0	-1.59	0	0	5.39	0	0	0	0	0	0	-15.89	-15.89
Inverter Transformer	S_25A_6_T	369240	4909397	2	0	0	57.3	57.3	1	1475	3.25	2000	74.38	0	-1.68	0	0	14.25	0	0	0	0	0	0	-29.65	-29.65
Inverter Transformer	S_25A_6_T	369240	4909397	2	0	0	52.3	52.3	1	1475	3.25	4000	74.38	0	-1.68	0	0	48.33	0	0	0	0	0	0	-68.73	-68.73
Inverter Transformer	S_25A_6_T	369240	4909397	2	0	0	45.3	45.3	1	1475	3.25	8000	74.38	0	-1.68	0	0	172.4	0	0	0	0	0	0	-199.8	-199.8
Hut1Inverter1	W_H1I1	369686.9	4906173	2	0	0	57.2	57.2	1	2369	3.25	63	78.49	0	-5.75	0	0	0.29	0	0	0	0	0	0	-15.83	-15.83
Hut1Inverter1	W_H1I1	369686.9	4906173	2	0	0	72.5	72.5	1	2369	3.25	125	78.49	0	4.45	0	0	0.97	0	0	0	0	0	0	-11.42	-11.42
Hut1Inverter1	W_H1I1	369686.9	4906173	2	0	0	71.2	71.2	1	2369	3.25	250	78.49	0	3.45	0	0	2.47	0	0	0	0	0	0	-13.21	-13.21
Hut1Inverter1	W_H1I1	369686.9	4906173	2	0	0	75.8	75.8	1	2369	3.25	500	78.49	0	-0.17	0	0	4.57	0	0	0	0	0	0	-7.09	-7.09
Hut1Inverter1	W_H1I1	369686.9	4906173	2	0	0	75	75	1	2369	3.25	1000	78.49	0	-1.63	0	0	8.67	0	0	0	0	0	0	-10.53	-10.53
Hut1Inverter1	W_H1I1	369686.9	4906173	2	0	0	71.3	71.3	1	2369	3.25	2000	78.49	0	-1.73	0	0	22.89	0	0	0	0	0	0	-28.36	-28.36
Hut1Inverter1	W_H1I1	369686.9	4906173	2	0	0	69.3	69.3	1	2369	3.25	4000	78.49	0	-1.73	0	0	77.64	0	0	0	0	0	0	-85.1	-85.1
Hut1Inverter1	W_H1I1	369686.9	4906173	2	0	0	72.1	72.1	1	2369	3.25	8000	78.49	0	-1.73	0	0	276.9	0	0	0	0	0	0	-281.6	-281.6
Hut1Inverter2	W_H1I2	369689.4	4906173	2	0	0	57.2	57.2	1	2370	3.25	63	78.5	0	-5.75	0	0	0.29	0	0	0	0	0	0	-15.83	-15.83
Hut1Inverter2	W_H1I2	369689.4	4906173	2	0	0	72.5	72.5	1	2370	3.25	125	78.5	0	4.45	0	0	0.97	0	0	0	0	0	0	-11.42	-11.42
Hut1Inverter2	W_H1I2	369689.4	4906173	2	0	0	71.2	71.2	1	2370	3.25	250	78.5	0	3.45	0	0	2.47	0	0	0	0	0	0	-13.22	-13.22
Hut1Inverter2	W_H1I2	369689.4	4906173	2	0	0	75.8	75.8	1	2370	3.25	500	78.5	0	-0.17	0	0	4.57	0	0	0	0	0	0	-7.1	-7.1
Hut1Inverter2	W_H1I2	369689.4	4906173	2	0	0	75	75	1	2370	3.25	1000	78.5	0	-1.63	0	0	8.67	0	0	0	0	0	0	-10.54	-10.54
Hut1Inverter2	W_H1I2	369689.4	4906173	2	0	0	71.3	71.3	1	2370	3.25	2000	78.5	0	-1.73	0	0	22.91	0	0	0	0	0	0	-28.38	-28.38
Hut1Inverter2	W_H1I2	369689.4	4906173	2	0	0	69.3	69.3	1	2370	3.25	4000	78.5	0	-1.73	0	0	77.68	0	0	0	0	0	0	-85.15	-85.15
Hut1Inverter2	W_H1I2	369689.4	4906173	2	0	0	72.1	72.1	1	2370	3.25	8000	78.5	0	-1.73	0	0	277.1	0	0	0	0	0	0	-281.7	-281.7
Inverter Transformer	S_4_1_T	369275	4909397	2	0	0	65.3	65.3	1	1495	3.25	32	74.49	0	-5.61	0	0	0.05	0	0	0	0	0	0	-3.63	-3.63
Inverter Transformer	S_4_1_T	369275	4909397	2	0	0	71.3	71.3	1	1495	3.25	63	74.49	0	-5.61	0	0	0.18	0	0	0	0	0	0	2.24	2.24
Inverter Transformer	S_4_1_T	369275	4909397	2	0	0	73.3	73.3	1	1495	3.25	125	74.49	0	4.49	0	0	0.61	0	0	0	0	0	0	-6.3	-6.3
Inverter Transformer	S_4_1_T	369275	4909397	2	0	0	68.3	68.3	1	1495	3.25	250	74.49	0	3.49	0	0	1.56	0	0	0	0	0	0	-11.24	-11.24
Inverter Transformer	S_4_1_T	369275	4909397	2	0	0	68.3	68.3	1	1495	3.25	500	74.49	0	-0.13	0	0	2.88	0	0	0	0	0	0	-8.95	-8.95
Inverter Transformer	S_4_1_T	369275	4909397	2	0	0	62.3	62.3	1	1495	3.25	1000	74.49	0	-1.59	0	0	5.47	0	0	0	0	0	0	-16.07	-16.07
Inverter Transformer	S_4_1_T	369275	4909397	2	0	0	57.3	57.3	1	1495	3.25	2000	74.49	0	-1.68	0	0	14.45	0	0	0	0	0	0	-29.95	-29.95
Inverter Transformer	S_4_1_T	369275	4909397	2	0	0	52.3	52.3	1	1495	3.25	4000	74.49	0	-1.68	0	0	48.98	0	0	0	0	0	0	-69.49	-69.49
Inverter Transformer	S_4_1_T	369275	4909397	2	0	0	45.3	45.3	1	1495	3.25	8000	74.49	0	-1.68	0	0	174.7	0	0	0	0	0	0	-202.2	-202.2
Inverter Transformer	S_25B_5_T	369010	4909595	2	0	0	65.3	65.3	1	1541	3.25	32	74.75	0	-5.62	0	0	0.05	0	0	0	0	0	0	-3.88	-3.88
Inverter Transformer	S_25B_5_T	369010	4909595	2	0	0	71.3	71.3	1	1541	3.25	63	74.75	0	-5.62	0	0	0.19	0	0	0	0	0	0	1.98	1.98
Inverter Transformer	S_25B_5_T	369010	4909595	2	0	0	73.3	73.3	1	1541	3.25	125	74.75	0	4.49	0	0	0.63	0	0	0	0	0	0	-6.58	-6.58
Inverter Transformer	S_25B_5_T	369010	4909595	2	0	0	68.3	68.3	1	1541	3.25	250	74.75	0	3.49	0	0	1.61	0	0	0	0	0	0	-11.55	-11.55
Inverter Transformer	S_25B_5_T	369010	4909595	2	0	0	68.3	68.3	1	1541	3.25	500	74.75	0	-0.13	0	0	2.97	0	0	0	0	0	0	-9.3	-9.3
Inverter Transformer	S_25B_5_T	369010	4909595	2	0	0	62.3	62.3	1	1541	3.25	1000	74.75	0	-1.59	0	0	5.64	0	0	0	0	0	0	-16.5	-16.5
Inverter Transformer	S_25B_5_T	369010	4909595	2	0	0	57.3	57.3	1	1541	3.25	2000	74.75	0	-1.69	0	0	14.89	0	0	0	0	0	0	-30.66	-30.66
Inverter Transformer	S_25B_5_T	369010	4909595	2	0	0	52.3	52.3	1	1541	3.25	4000	74.75	0	-1.69	0	0	50.49	0	0	0	0	0	0	-71.26	-71.26
Inverter Transformer	S_25B_5_T	369010	4909595	2	0	0	45.3	45.3	1	1541	3.25	8000	74.75	0	-1.69	0	0	180.1	0	0	0	0	0	0	-207.9	-207.9
Inverters	G_Inv2	366676.9	4903239	2	0	0	59.8	59.8	1	5232	3.25	63	85.37	0	-5.89	0	0	0.64	0	0	0	0	0	0	-20.32	-20.32
Inverters	G_Inv2	366676.9	4903239	2	0	0	73.9	73.9	1	5232	3.25	125	85.37	0	4.41	0	0	2.15	0	0	0	0	0	0	-18.04	-18.04
Inverters	G_Inv2	366676.9	4903239	2	0	0	86	86	1	5232	3.25	250	85.37	0	3.41	0	0	5.46	0	0	0	0	0	0	-8.24	-8.24
Inverters	G_Inv2	366676.9	4903239	2	0	0	80.6	80.6	1	5232	3.25	500	85.37	0	-0.21	0	0	10.09	0	0	0	0	0	0	-14.65	-14.65
Inverters	G_Inv2	366676.9	4903239	2	0	0	72.1	72.1	1	5232	3.25	1000	85.37	0	-1.67	0	0	19.14	0	0	0	0	0	0	-30.74	-30.74
Inverters	G_Inv2	366676.9	4903239	2	0	0	74.6	74.6	1	5232	3.25	2000	85.37	0	-1.77	0	0	50.56	0	0	0	0	0	0	-59.57	-59.57
Inverter Transformer	S_3_4_T	369986	4908514	2	0	0	65.3	65.3	1	1606	3.25	32	75.11	0	-5.64	0	0	0.05	0	0	0	0	0	0	-4.23	-4.23
Inverter Transformer	S_3_4_T	369986	4908514	2	0	0	71.3	71.3	1	1606	3.25	63	75.11	0	-5.64	0	0	0.2	0	0	0	0	0	0	1.63	1.63
Inverter Transformer	S_3_4_T	369986	4908514	2	0	0	73.3	73.3	1	1606	3.25	125	75.11	0	4.49	0	0	0.66	0	0	0	0	0	0	-6.96	-6.96
Inverter Transformer	S_3_4_T	369986	4908514	2	0	0	68.3	68.3	1	1606	3.25	250	75.11	0	3.48	0	0	1.68	0	0	0	0	0	0	-11.97	-11.97
Inverter Transformer	S_3_4_T	369986	4908514	2	0	0	68.3	68.3	1	1606	3.25	500	75.11	0	-0.13	0	0	3.1	0	0	0	0	0	0	-9.77	-9.77
Inverter Transformer	S_3_4_T	369986	4908514	2	0	0	62.3	62.3	1	1606	3.25	1000	75.11	0	-1.6	0	0	5.87	0	0	0	0	0	0	-17.09	-17.09
Inverter Transformer	S_3_4_T	369986	4908514	2	0	0	57.3	57.3	1	1606	3.25	2000	75.11	0	-1.69	0	0	15.52	0	0	0	0	0	0	-31.64	-31.64
Inverter Transformer	S_3_4_T	369986	4908514	2	0	0	52.3	52.3	1	1606	3.25	4000	75.11	0	-1.69	0	0	52.62	0	0	0	0	0	0	-73.74	-73.74
Inverter Transformer	S_3_4_T	369986	4908514	2	0	0	45.3	45.3	1	1606	3.25	8000	75.11	0	-1.69	0	0	187.7	0	0	0	0	0	0	-215.8	-215.8

Inverters	G_Inv1	366526.4	4903226	2	0	0	59.8	59.8	1	5296	3.25	63	85.48	0	-5.89	0	0	0.64	0	0	0	0	0	0	-20.43	-20.43
Inverters	G_Inv1	366526.4	4903226	2	0	0	73.9	73.9	1	5296	3.25	125	85.48	0	4.41	0	0	2.18	0	0	0	0	0	0	-18.17	-18.17
Inverters	G_Inv1	366526.4	4903226	2	0	0	86	86	1	5296	3.25	250	85.48	0	3.41	0	0	5.53	0	0	0	0	0	0	-8.41	-8.41
Inverters	G_Inv1	366526.4	4903226	2	0	0	80.6	80.6	1	5296	3.25	500	85.48	0	-0.21	0	0	10.21	0	0	0	0	0	0	-14.88	-14.88
Inverters	G_Inv1	366526.4	4903226	2	0	0	72.1	72.1	1	5296	3.25	1000	85.48	0	-1.67	0	0	19.37	0	0	0	0	0	0	-31.08	-31.08
Inverters	G_Inv1	366526.4	4903226	2	0	0	74.6	74.6	1	5296	3.25	2000	85.48	0	-1.77	0	0	51.18	0	0	0	0	0	0	-60.29	-60.29
Inverters	G_Inv4	366732.8	4903105	2	0	0	59.8	59.8	1	5341	3.25	63	85.55	0	-5.89	0	0	0.65	0	0	0	0	0	0	-20.51	-20.51
Inverters	G_Inv4	366732.8	4903105	2	0	0	73.9	73.9	1	5341	3.25	125	85.55	0	4.41	0	0	2.19	0	0	0	0	0	0	-18.26	-18.26
Inverters	G_Inv4	366732.8	4903105	2	0	0	86	86	1	5341	3.25	250	85.55	0	3.41	0	0	5.57	0	0	0	0	0	0	-8.53	-8.53
Inverters	G_Inv4	366732.8	4903105	2	0	0	80.6	80.6	1	5341	3.25	500	85.55	0	-0.21	0	0	10.3	0	0	0	0	0	0	-15.04	-15.04
Inverters	G_Inv4	366732.8	4903105	2	0	0	72.1	72.1	1	5341	3.25	1000	85.55	0	-1.67	0	0	19.53	0	0	0	0	0	0	-31.31	-31.31
Inverters	G_Inv4	366732.8	4903105	2	0	0	74.6	74.6	1	5341	3.25	2000	85.55	0	-1.77	0	0	51.61	0	0	0	0	0	0	-60.79	-60.79
Inverter Transformer	S_25A_5_T	369232	4909595	2	0	0	65.3	65.3	1	1639	3.25	32	75.29	0	-5.64	0	0	0.05	0	0	0	0	0	0	-4.4	-4.4
Inverter Transformer	S_25A_5_T	369232	4909595	2	0	0	71.3	71.3	1	1639	3.25	63	75.29	0	-5.64	0	0	0.2	0	0	0	0	0	0	1.45	1.45
Inverter Transformer	S_25A_5_T	369232	4909595	2	0	0	73.3	73.3	1	1639	3.25	125	75.29	0	4.48	0	0	0.67	0	0	0	0	0	0	-7.15	-7.15
Inverter Transformer	S_25A_5_T	369232	4909595	2	0	0	68.3	68.3	1	1639	3.25	250	75.29	0	3.48	0	0	1.71	0	0	0	0	0	0	-12.18	-12.18
Inverter Transformer	S_25A_5_T	369232	4909595	2	0	0	68.3	68.3	1	1639	3.25	500	75.29	0	-0.14	0	0	3.16	0	0	0	0	0	0	-10.02	-10.02
Inverter Transformer	S_25A_5_T	369232	4909595	2	0	0	62.3	62.3	1	1639	3.25	1000	75.29	0	-1.6	0	0	5.99	0	0	0	0	0	0	-17.39	-17.39
Inverter Transformer	S_25A_5_T	369232	4909595	2	0	0	57.3	57.3	1	1639	3.25	2000	75.29	0	-1.69	0	0	15.84	0	0	0	0	0	0	-32.14	-32.14
Inverter Transformer	S_25A_5_T	369232	4909595	2	0	0	52.3	52.3	1	1639	3.25	4000	75.29	0	-1.69	0	0	53.71	0	0	0	0	0	0	-75.01	-75.01
Inverter Transformer	S_25A_5_T	369232	4909595	2	0	0	45.3	45.3	1	1639	3.25	8000	75.29	0	-1.69	0	0	191.6	0	0	0	0	0	0	-219.9	-219.9
Inverters	G_Inv3	366583.7	4903091	2	0	0	59.8	59.8	1	5402	3.25	63	85.65	0	-5.89	0	0	0.66	0	0	0	0	0	0	-20.62	-20.62
Inverters	G_Inv3	366583.7	4903091	2	0	0	73.9	73.9	1	5402	3.25	125	85.65	0	4.41	0	0	2.22	0	0	0	0	0	0	-18.38	-18.38
Inverters	G_Inv3	366583.7	4903091	2	0	0	86	86	1	5402	3.25	250	85.65	0	3.41	0	0	5.64	0	0	0	0	0	0	-8.69	-8.69
Inverters	G_Inv3	366583.7	4903091	2	0	0	80.6	80.6	1	5402	3.25	500	85.65	0	-0.21	0	0	10.41	0	0	0	0	0	0	-15.26	-15.26
Inverters	G_Inv3	366583.7	4903091	2	0	0	72.1	72.1	1	5402	3.25	1000	85.65	0	-1.67	0	0	19.76	0	0	0	0	0	0	-31.64	-31.64
Inverters	G_Inv3	366583.7	4903091	2	0	0	74.6	74.6	1	5402	3.25	2000	85.65	0	-1.77	0	0	52.21	0	0	0	0	0	0	-61.49	-61.49
Inverters	G_Inv6	366788.5	4902972	2	0	0	59.8	59.8	1	5450	3.25	63	85.73	0	-5.89	0	0	0.66	0	0	0	0	0	0	-20.7	-20.7
Inverters	G_Inv6	366788.5	4902972	2	0	0	73.9	73.9	1	5450	3.25	125	85.73	0	4.41	0	0	2.24	0	0	0	0	0	0	-18.48	-18.48
Inverters	G_Inv6	366788.5	4902972	2	0	0	86	86	1	5450	3.25	250	85.73	0	3.41	0	0	5.69	0	0	0	0	0	0	-8.82	-8.82
Inverters	G_Inv6	366788.5	4902972	2	0	0	80.6	80.6	1	5450	3.25	500	85.73	0	-0.21	0	0	10.51	0	0	0	0	0	0	-15.42	-15.42
Inverters	G_Inv6	366788.5	4902972	2	0	0	72.1	72.1	1	5450	3.25	1000	85.73	0	-1.67	0	0	19.93	0	0	0	0	0	0	-31.89	-31.89
Inverters	G_Inv6	366788.5	4902972	2	0	0	74.6	74.6	1	5450	3.25	2000	85.73	0	-1.77	0	0	52.67	0	0	0	0	0	0	-62.03	-62.03
Inverters	G_Inv5	366638.5	4902958	2	0	0	59.8	59.8	1	5510	3.25	63	85.82	0	-5.89	0	0	0.67	0	0	0	0	0	0	-20.8	-20.8
Inverters	G_Inv5	366638.5	4902958	2	0	0	73.9	73.9	1	5510	3.25	125	85.82	0	4.41	0	0	2.26	0	0	0	0	0	0	-18.6	-18.6
Inverters	G_Inv5	366638.5	4902958	2	0	0	86	86	1	5510	3.25	250	85.82	0	3.4	0	0	5.75	0	0	0	0	0	0	-8.98	-8.98
Inverters	G_Inv5	366638.5	4902958	2	0	0	80.6	80.6	1	5510	3.25	500	85.82	0	-0.21	0	0	10.62	0	0	0	0	0	0	-15.63	-15.63
Inverters	G_Inv5	366638.5	4902958	2	0	0	72.1	72.1	1	5510	3.25	1000	85.82	0	-1.67	0	0	20.15	0	0	0	0	0	0	-32.2	-32.2
Inverters	G_Inv5	366638.5	4902958	2	0	0	74.6	74.6	1	5510	3.25	2000	85.82	0	-1.77	0	0	53.25	0	0	0	0	0	0	-62.7	-62.7
Inverter Transformer	S_3_3_T	370014	4908694	2	0	0	65.3	65.3	1	1680	3.25	32	75.51	0	-5.65	0	0	0.05	0	0	0	0	0	0	-4.61	-4.61
Inverter Transformer	S_3_3_T	370014	4908694	2	0	0	71.3	71.3	1	1680	3.25	63	75.51	0	-5.65	0	0	0.2	0	0	0	0	0	0	1.24	1.24
Inverter Transformer	S_3_3_T	370014	4908694	2	0	0	73.3	73.3	1	1680	3.25	125	75.51	0	4.48	0	0	0.69	0	0	0	0	0	0	-7.38	-7.38
Inverter Transformer	S_3_3_T	370014	4908694	2	0	0	68.3	68.3	1	1680	3.25	250	75.51	0	3.48	0	0	1.75	0	0	0	0	0	0	-12.44	-12.44
Inverter Transformer	S_3_3_T	370014	4908694	2	0	0	68.3	68.3	1	1680	3.25	500	75.51	0	-0.14	0	0	3.24	0	0	0	0	0	0	-10.31	-10.31
Inverter Transformer	S_3_3_T	370014	4908694	2	0	0	62.3	62.3	1	1680	3.25	1000	75.51	0	-1.6	0	0	6.14	0	0	0	0	0	0	-17.75	-17.75
Inverter Transformer	S_3_3_T	370014	4908694	2	0	0	57.3	57.3	1	1680	3.25	2000	75.51	0	-1.7	0	0	16.23	0	0	0	0	0	0	-32.74	-32.74
Inverter Transformer	S_3_3_T	370014	4908694	2	0	0	52.3	52.3	1	1680	3.25	4000	75.51	0	-1.7	0	0	55.05	0	0	0	0	0	0	-76.56	-76.56
Inverter Transformer	S_3_3_T	370014	4908694	2	0	0	45.3	45.3	1	1680	3.25	8000	75.51	0	-1.7	0	0	196.3	0	0	0	0	0	0	-224.9	-224.9
Inverters	G_Inv8	366844.5	4902839	2	0	0	59.8	59.8	1	5561	3.25	63	85.9	0	-5.89	0	0	0.68	0	0	0	0	0	0	-20.89	-20.89
Inverters	G_Inv8	366844.5	4902839	2	0	0	73.9	73.9	1	5561	3.25	125	85.9	0	4.41	0	0	2.29	0	0	0	0	0	0	-18.7	-18.7
Inverters	G_Inv8	366844.5	4902839	2	0	0	86	86	1	5561	3.25	250	85.9	0	3.4	0	0	5.8	0	0	0	0	0	0	-9.11	-9.11
Inverters	G_Inv8	366844.5	4902839	2	0	0	80.6	80.6	1	5561	3.25	500	85.9	0	-0.21	0	0	10.72	0	0	0	0	0	0	-15.81	-15.81
Inverters	G_Inv8	366844.5	4902839	2	0	0	72.1	72.1	1	5561	3.25	1000	85.9	0	-1.67	0	0	20.34	0	0	0	0	0	0	-32.47	-32.47
Inverters	G_Inv8	366844.5	4902839	2	0	0	74.6	74.6	1	5561	3.25	2000	85.9	0	-1.77	0	0	53.75	0	0	0	0	0	0	-63.28	-63.28
Inverters	G_Inv7	366694.6	4902825	2	0	0	59.8	59.8	1	5619	3.25	63	85.99	0	-5.9	0	0	0.68	0	0	0	0	0	0	-20.98	-20.98

Inverters	G_Inv7	366694.6	4902825	2	0	0	73.9	73.9	1	5619	3.25	125	85.99	0	4.41	0	0	2.31	0	0	0	0	0	0	-18.81	-18.81
Inverters	G_Inv7	366694.6	4902825	2	0	0	86	86	1	5619	3.25	250	85.99	0	3.4	0	0	5.86	0	0	0	0	0	0	-9.26	-9.26
Inverters	G_Inv7	366694.6	4902825	2	0	0	80.6	80.6	1	5619	3.25	500	85.99	0	-0.21	0	0	10.83	0	0	0	0	0	0	-16.01	-16.01
Inverters	G_Inv7	366694.6	4902825	2	0	0	72.1	72.1	1	5619	3.25	1000	85.99	0	-1.67	0	0	20.55	0	0	0	0	0	0	-32.77	-32.77
Inverters	G_Inv7	366694.6	4902825	2	0	0	74.6	74.6	1	5619	3.25	2000	85.99	0	-1.77	0	0	54.3	0	0	0	0	0	0	-63.92	-63.92
Inverter Transformer	S_25B_4_T	369002	4909793	2	0	0	65.3	65.3	1	1722	3.25	32	75.72	0	-5.66	0	0	0.06	0	0	0	0	0	0	-4.82	-4.82
Inverter Transformer	S_25B_4_T	369002	4909793	2	0	0	71.3	71.3	1	1722	3.25	63	75.72	0	-5.66	0	0	0.21	0	0	0	0	0	0	1.03	1.03
Inverter Transformer	S_25B_4_T	369002	4909793	2	0	0	73.3	73.3	1	1722	3.25	125	75.72	0	4.48	0	0	0.71	0	0	0	0	0	0	-7.61	-7.61
Inverter Transformer	S_25B_4_T	369002	4909793	2	0	0	68.3	68.3	1	1722	3.25	250	75.72	0	3.47	0	0	1.8	0	0	0	0	0	0	-12.69	-12.69
Inverter Transformer	S_25B_4_T	369002	4909793	2	0	0	68.3	68.3	1	1722	3.25	500	75.72	0	-0.14	0	0	3.32	0	0	0	0	0	0	-10.6	-10.6
Inverter Transformer	S_25B_4_T	369002	4909793	2	0	0	62.3	62.3	1	1722	3.25	1000	75.72	0	-1.6	0	0	6.3	0	0	0	0	0	0	-18.12	-18.12
Inverter Transformer	S_25B_4_T	369002	4909793	2	0	0	57.3	57.3	1	1722	3.25	2000	75.72	0	-1.7	0	0	16.65	0	0	0	0	0	0	-33.37	-33.37
Inverter Transformer	S_25B_4_T	369002	4909793	2	0	0	52.3	52.3	1	1722	3.25	4000	75.72	0	-1.7	0	0	56.44	0	0	0	0	0	0	-78.17	-78.17
Inverter Transformer	S_25B_4_T	369002	4909793	2	0	0	45.3	45.3	1	1722	3.25	8000	75.72	0	-1.7	0	0	201.3	0	0	0	0	0	0	-230	-230
Inverters	G_Inv10	366900.7	4902705	2	0	0	59.8	59.8	1	5675	3.25	63	86.08	0	-5.9	0	0	0.69	0	0	0	0	0	0	-21.07	-21.07
Inverters	G_Inv10	366900.7	4902705	2	0	0	73.9	73.9	1	5675	3.25	125	86.08	0	4.41	0	0	2.33	0	0	0	0	0	0	-18.92	-18.92
Inverters	G_Inv10	366900.7	4902705	2	0	0	86	86	1	5675	3.25	250	86.08	0	3.4	0	0	5.92	0	0	0	0	0	0	-9.4	-9.4
Inverters	G_Inv10	366900.7	4902705	2	0	0	80.6	80.6	1	5675	3.25	500	86.08	0	-0.21	0	0	10.94	0	0	0	0	0	0	-16.21	-16.21
Inverters	G_Inv10	366900.7	4902705	2	0	0	72.1	72.1	1	5675	3.25	1000	86.08	0	-1.67	0	0	20.76	0	0	0	0	0	0	-33.06	-33.06
Inverters	G_Inv10	366900.7	4902705	2	0	0	74.6	74.6	1	5675	3.25	2000	86.08	0	-1.77	0	0	54.84	0	0	0	0	0	0	-64.55	-64.55
Inverter Transformer	S_3_2_T	370009	4908857	2	0	0	65.3	65.3	1	1733	3.25	32	75.77	0	-5.66	0	0	0.06	0	0	0	0	0	0	-4.87	-4.87
Inverter Transformer	S_3_2_T	370009	4908857	2	0	0	71.3	71.3	1	1733	3.25	63	75.77	0	-5.66	0	0	0.21	0	0	0	0	0	0	0.98	0.98
Inverter Transformer	S_3_2_T	370009	4908857	2	0	0	73.3	73.3	1	1733	3.25	125	75.77	0	4.48	0	0	0.71	0	0	0	0	0	0	-7.67	-7.67
Inverter Transformer	S_3_2_T	370009	4908857	2	0	0	68.3	68.3	1	1733	3.25	250	75.77	0	3.47	0	0	1.81	0	0	0	0	0	0	-12.76	-12.76
Inverter Transformer	S_3_2_T	370009	4908857	2	0	0	68.3	68.3	1	1733	3.25	500	75.77	0	-0.14	0	0	3.34	0	0	0	0	0	0	-10.67	-10.67
Inverter Transformer	S_3_2_T	370009	4908857	2	0	0	62.3	62.3	1	1733	3.25	1000	75.77	0	-1.6	0	0	6.34	0	0	0	0	0	0	-18.21	-18.21
Inverter Transformer	S_3_2_T	370009	4908857	2	0	0	57.3	57.3	1	1733	3.25	2000	75.77	0	-1.7	0	0	16.74	0	0	0	0	0	0	-33.52	-33.52
Inverter Transformer	S_3_2_T	370009	4908857	2	0	0	52.3	52.3	1	1733	3.25	4000	75.77	0	-1.7	0	0	56.78	0	0	0	0	0	0	-78.56	-78.56
Inverter Transformer	S_3_2_T	370009	4908857	2	0	0	45.3	45.3	1	1733	3.25	8000	75.77	0	-1.7	0	0	202.5	0	0	0	0	0	0	-231.3	-231.3
Inverters	G_Inv9	366750.9	4902692	2	0	0	59.8	59.8	1	5729	3.25	63	86.16	0	-5.9	0	0	0.7	0	0	0	0	0	0	-21.16	-21.16
Inverters	G_Inv9	366750.9	4902692	2	0	0	73.9	73.9	1	5729	3.25	125	86.16	0	4.41	0	0	2.35	0	0	0	0	0	0	-19.03	-19.03
Inverters	G_Inv9	366750.9	4902692	2	0	0	86	86	1	5729	3.25	250	86.16	0	3.4	0	0	5.98	0	0	0	0	0	0	-9.54	-9.54
Inverters	G_Inv9	366750.9	4902692	2	0	0	80.6	80.6	1	5729	3.25	500	86.16	0	-0.21	0	0	11.04	0	0	0	0	0	0	-16.39	-16.39
Inverters	G_Inv9	366750.9	4902692	2	0	0	72.1	72.1	1	5729	3.25	1000	86.16	0	-1.67	0	0	20.95	0	0	0	0	0	0	-33.34	-33.34
Inverters	G_Inv9	366750.9	4902692	2	0	0	74.6	74.6	1	5729	3.25	2000	86.16	0	-1.77	0	0	55.36	0	0	0	0	0	0	-65.15	-65.15
Hut4Transformer	W_H4T	369418.6	4906583	2	0	0	54.2	54.2	1	1879	3.25	63	76.48	0	-5.69	0	0	0.23	0	0	0	0	0	0	-16.82	-16.82
Hut4Transformer	W_H4T	369418.6	4906583	2	0	0	66.3	66.3	1	1879	3.25	125	76.48	0	4.47	0	0	0.77	0	0	0	0	0	0	-15.43	-15.43
Hut4Transformer	W_H4T	369418.6	4906583	2	0	0	68.8	68.8	1	1879	3.25	250	76.48	0	3.47	0	0	1.96	0	0	0	0	0	0	-13.11	-13.11
Hut4Transformer	W_H4T	369418.6	4906583	2	0	0	74.2	74.2	1	1879	3.25	500	76.48	0	-0.15	0	0	3.62	0	0	0	0	0	0	-5.75	-5.75
Hut4Transformer	W_H4T	369418.6	4906583	2	0	0	71.4	71.4	1	1879	3.25	1000	76.48	0	-1.61	0	0	6.87	0	0	0	0	0	0	-10.34	-10.34
Hut4Transformer	W_H4T	369418.6	4906583	2	0	0	67.6	67.6	1	1879	3.25	2000	76.48	0	-1.71	0	0	18.16	0	0	0	0	0	0	-25.34	-25.34
Hut4Transformer	W_H4T	369418.6	4906583	2	0	0	62.4	62.4	1	1879	3.25	4000	76.48	0	-1.71	0	0	61.59	0	0	0	0	0	0	-73.96	-73.96
Hut4Transformer	W_H4T	369418.6	4906583	2	0	0	53.3	53.3	1	1879	3.25	8000	76.48	0	-1.71	0	0	219.7	0	0	0	0	0	0	-241.2	-241.2
Inverter Transformer	S_25A_4_T	369224	4909793	2	0	0	65.3	65.3	1	1810	3.25	32	76.15	0	-5.68	0	0	0.06	0	0	0	0	0	0	-5.23	-5.23
Inverter Transformer	S_25A_4_T	369224	4909793	2	0	0	71.3	71.3	1	1810	3.25	63	76.15	0	-5.68	0	0	0.22	0	0	0	0	0	0	0.6	0.6
Inverter Transformer	S_25A_4_T	369224	4909793	2	0	0	73.3	73.3	1	1810	3.25	125	76.15	0	4.48	0	0	0.74	0	0	0	0	0	0	-8.07	-8.07
Inverter Transformer	S_25A_4_T	369224	4909793	2	0	0	68.3	68.3	1	1810	3.25	250	76.15	0	3.47	0	0	1.89	0	0	0	0	0	0	-13.21	-13.21
Inverter Transformer	S_25A_4_T	369224	4909793	2	0	0	68.3	68.3	1	1810	3.25	500	76.15	0	-0.15	0	0	3.49	0	0	0	0	0	0	-11.2	-11.2
Inverter Transformer	S_25A_4_T	369224	4909793	2	0	0	62.3	62.3	1	1810	3.25	1000	76.15	0	-1.61	0	0	6.62	0	0	0	0	0	0	-18.87	-18.87
Inverter Transformer	S_25A_4_T	369224	4909793	2	0	0	57.3	57.3	1	1810	3.25	2000	76.15	0	-1.7	0	0	17.49	0	0	0	0	0	0	-34.64	-34.64
Inverter Transformer	S_25A_4_T	369224	4909793	2	0	0	52.3	52.3	1	1810	3.25	4000	76.15	0	-1.7	0	0	59.31	0	0	0	0	0	0	-81.46	-81.46
Inverter Transformer	S_25A_4_T	369224	4909793	2	0	0	45.3	45.3	1	1810	3.25	8000	76.15	0	-1.7	0	0	211.5	0	0	0	0	0	0	-240.7	-240.7
Inverter Transformer	S_12_2_T	370086	4907340	2	0	0	65.3	65.3	1	1865	3.25	32	76.42	0	-5.69	0	0	0.06	0	0	0	0	0	0	-5.49	-5.49
Inverter Transformer	S_12_2_T	370086	4907340	2	0	0	71.3	71.3	1	1865	3.25	63	76.42	0	-5.69	0	0	0.23	0	0	0	0	0	0	0.34	0.34
Inverter Transformer	S_12_2_T	370086	4907340	2	0	0	73.3	73.3	1	1865	3.25	125	76.42	0	4.47	0	0	0.77	0	0	0	0	0	0	-8.36	-8.36

Inverter Transformer	S_12_2_T	370086	4907340	2	0	0	68.3	68.3	1	1865	3.25	250	76.42	0	3.47	0	0	1.95	0	0	0	0	0	0	-13.53	-13.53
Inverter Transformer	S_12_2_T	370086	4907340	2	0	0	68.3	68.3	1	1865	3.25	500	76.42	0	-0.15	0	0	3.6	0	0	0	0	0	0	-11.56	-11.56
Inverter Transformer	S_12_2_T	370086	4907340	2	0	0	62.3	62.3	1	1865	3.25	1000	76.42	0	-1.61	0	0	6.82	0	0	0	0	0	0	-19.33	-19.33
Inverter Transformer	S_12_2_T	370086	4907340	2	0	0	57.3	57.3	1	1865	3.25	2000	76.42	0	-1.71	0	0	18.03	0	0	0	0	0	0	-35.44	-35.44
Inverter Transformer	S_12_2_T	370086	4907340	2	0	0	52.3	52.3	1	1865	3.25	4000	76.42	0	-1.71	0	0	61.13	0	0	0	0	0	0	-83.54	-83.54
Inverter Transformer	S_12_2_T	370086	4907340	2	0	0	45.3	45.3	1	1865	3.25	8000	76.42	0	-1.71	0	0	218	0	0	0	0	0	0	-247.4	-247.4
Inverter Transformer	S_3_1_T	370011	4909146	2	0	0	65.3	65.3	1	1868	3.25	32	76.43	0	-5.69	0	0	0.06	0	0	0	0	0	0	-5.5	-5.5
Inverter Transformer	S_3_1_T	370011	4909146	2	0	0	71.3	71.3	1	1868	3.25	63	76.43	0	-5.69	0	0	0.23	0	0	0	0	0	0	0.33	0.33
Inverter Transformer	S_3_1_T	370011	4909146	2	0	0	73.3	73.3	1	1868	3.25	125	76.43	0	4.47	0	0	0.77	0	0	0	0	0	0	-8.37	-8.37
Inverter Transformer	S_3_1_T	370011	4909146	2	0	0	68.3	68.3	1	1868	3.25	250	76.43	0	3.47	0	0	1.95	0	0	0	0	0	0	-13.54	-13.54
Inverter Transformer	S_3_1_T	370011	4909146	2	0	0	68.3	68.3	1	1868	3.25	500	76.43	0	-0.15	0	0	3.6	0	0	0	0	0	0	-11.58	-11.58
Inverter Transformer	S_3_1_T	370011	4909146	2	0	0	62.3	62.3	1	1868	3.25	1000	76.43	0	-1.61	0	0	6.83	0	0	0	0	0	0	-19.35	-19.35
Inverter Transformer	S_3_1_T	370011	4909146	2	0	0	57.3	57.3	1	1868	3.25	2000	76.43	0	-1.71	0	0	18.05	0	0	0	0	0	0	-35.47	-35.47
Inverter Transformer	S_3_1_T	370011	4909146	2	0	0	52.3	52.3	1	1868	3.25	4000	76.43	0	-1.71	0	0	61.2	0	0	0	0	0	0	-83.62	-83.62
Inverter Transformer	S_3_1_T	370011	4909146	2	0	0	45.3	45.3	1	1868	3.25	8000	76.43	0	-1.71	0	0	218.3	0	0	0	0	0	0	-247.7	-247.7
Hut8Transformer	W_H8T	369577.1	4906583	2	0	0	54.2	54.2	1	1968	3.25	63	76.88	0	-5.7	0	0	0.24	0	0	0	0	0	0	-17.22	-17.22
Hut8Transformer	W_H8T	369577.1	4906583	2	0	0	66.3	66.3	1	1968	3.25	125	76.88	0	4.47	0	0	0.81	0	0	0	0	0	0	-15.86	-15.86
Hut8Transformer	W_H8T	369577.1	4906583	2	0	0	68.8	68.8	1	1968	3.25	250	76.88	0	3.46	0	0	2.05	0	0	0	0	0	0	-13.6	-13.6
Hut8Transformer	W_H8T	369577.1	4906583	2	0	0	74.2	74.2	1	1968	3.25	500	76.88	0	-0.15	0	0	3.79	0	0	0	0	0	0	-6.32	-6.32
Hut8Transformer	W_H8T	369577.1	4906583	2	0	0	71.4	71.4	1	1968	3.25	1000	76.88	0	-1.62	0	0	7.2	0	0	0	0	0	0	-11.07	-11.07
Hut8Transformer	W_H8T	369577.1	4906583	2	0	0	67.6	67.6	1	1968	3.25	2000	76.88	0	-1.71	0	0	19.02	0	0	0	0	0	0	-26.59	-26.59
Hut8Transformer	W_H8T	369577.1	4906583	2	0	0	62.4	62.4	1	1968	3.25	4000	76.88	0	-1.71	0	0	64.51	0	0	0	0	0	0	-77.28	-77.28
Hut8Transformer	W_H8T	369577.1	4906583	2	0	0	53.3	53.3	1	1968	3.25	8000	76.88	0	-1.71	0	0	230.1	0	0	0	0	0	0	-252	-252
Inverter Transformer	S_25A_2_T	369023	4910180	2	0	0	66.2	66.2	1	2096	3.25	32	77.43	0	-5.72	0	0	0.07	0	0	0	0	0	0	-5.58	-5.58
Inverter Transformer	S_25A_2_T	369023	4910180	2	0	0	72.2	72.2	1	2096	3.25	63	77.43	0	-5.72	0	0	0.26	0	0	0	0	0	0	0.24	0.24
Inverter Transformer	S_25A_2_T	369023	4910180	2	0	0	74.2	74.2	1	2096	3.25	125	77.43	0	4.46	0	0	0.86	0	0	0	0	0	0	-8.55	-8.55
Inverter Transformer	S_25A_2_T	369023	4910180	2	0	0	69.2	69.2	1	2096	3.25	250	77.43	0	3.46	0	0	2.19	0	0	0	0	0	0	-13.87	-13.87
Inverter Transformer	S_25A_2_T	369023	4910180	2	0	0	69.2	69.2	1	2096	3.25	500	77.43	0	-0.16	0	0	4.04	0	0	0	0	0	0	-12.11	-12.11
Inverter Transformer	S_25A_2_T	369023	4910180	2	0	0	63.2	63.2	1	2096	3.25	1000	77.43	0	-1.62	0	0	7.67	0	0	0	0	0	0	-20.28	-20.28
Inverter Transformer	S_25A_2_T	369023	4910180	2	0	0	58.2	58.2	1	2096	3.25	2000	77.43	0	-1.72	0	0	20.26	0	0	0	0	0	0	-37.77	-37.77
Inverter Transformer	S_25A_2_T	369023	4910180	2	0	0	53.2	53.2	1	2096	3.25	4000	77.43	0	-1.72	0	0	68.7	0	0	0	0	0	0	-91.22	-91.22
Inverter Transformer	S_25A_2_T	369023	4910180	2	0	0	46.2	46.2	1	2096	3.25	8000	77.43	0	-1.72	0	0	245	0	0	0	0	0	0	-274.6	-274.6
Inverter Transformer	S_25B_3_T	368994	4909991	2	0	0	65.3	65.3	1	1907	3.25	32	76.61	0	-5.69	0	0	0.06	0	0	0	0	0	0	-5.68	-5.68
Inverter Transformer	S_25B_3_T	368994	4909991	2	0	0	71.3	71.3	1	1907	3.25	63	76.61	0	-5.69	0	0	0.23	0	0	0	0	0	0	0.15	0.15
Inverter Transformer	S_25B_3_T	368994	4909991	2	0	0	73.3	73.3	1	1907	3.25	125	76.61	0	4.47	0	0	0.78	0	0	0	0	0	0	-8.56	-8.56
Inverter Transformer	S_25B_3_T	368994	4909991	2	0	0	68.3	68.3	1	1907	3.25	250	76.61	0	3.46	0	0	1.99	0	0	0	0	0	0	-13.76	-13.76
Inverter Transformer	S_25B_3_T	368994	4909991	2	0	0	68.3	68.3	1	1907	3.25	500	76.61	0	-0.15	0	0	3.68	0	0	0	0	0	0	-11.84	-11.84
Inverter Transformer	S_25B_3_T	368994	4909991	2	0	0	62.3	62.3	1	1907	3.25	1000	76.61	0	-1.61	0	0	6.98	0	0	0	0	0	0	-19.67	-19.67
Inverter Transformer	S_25B_3_T	368994	4909991	2	0	0	57.3	57.3	1	1907	3.25	2000	76.61	0	-1.71	0	0	18.43	0	0	0	0	0	0	-36.03	-36.03
Inverter Transformer	S_25B_3_T	368994	4909991	2	0	0	52.3	52.3	1	1907	3.25	4000	76.61	0	-1.71	0	0	62.5	0	0	0	0	0	0	-85.11	-85.11
Inverter Transformer	S_25B_3_T	368994	4909991	2	0	0	45.3	45.3	1	1907	3.25	8000	76.61	0	-1.71	0	0	222.9	0	0	0	0	0	0	-252.5	-252.5
Hut9Transformer	W_H9T	369383.4	4906392	2	0	0	54.2	54.2	1	2026	3.25	63	77.13	0	-5.71	0	0	0.25	0	0	0	0	0	0	-17.47	-17.47
Hut9Transformer	W_H9T	369383.4	4906392	2	0	0	66.3	66.3	1	2026	3.25	125	77.13	0	4.47	0	0	0.83	0	0	0	0	0	0	-16.13	-16.13
Hut9Transformer	W_H9T	369383.4	4906392	2	0	0	68.8	68.8	1	2026	3.25	250	77.13	0	3.46	0	0	2.11	0	0	0	0	0	0	-13.91	-13.91
Hut9Transformer	W_H9T	369383.4	4906392	2	0	0	74.2	74.2	1	2026	3.25	500	77.13	0	-0.16	0	0	3.91	0	0	0	0	0	0	-6.68	-6.68
Hut9Transformer	W_H9T	369383.4	4906392	2	0	0	71.4	71.4	1	2026	3.25	1000	77.13	0	-1.62	0	0	7.41	0	0	0	0	0	0	-11.53	-11.53
Hut9Transformer	W_H9T	369383.4	4906392	2	0	0	67.6	67.6	1	2026	3.25	2000	77.13	0	-1.71	0	0	19.58	0	0	0	0	0	0	-27.4	-27.4
Hut9Transformer	W_H9T	369383.4	4906392	2	0	0	62.4	62.4	1	2026	3.25	4000	77.13	0	-1.71	0	0	66.39	0	0	0	0	0	0	-79.41	-79.41
Hut9Transformer	W_H9T	369383.4	4906392	2	0	0	53.3	53.3	1	2026	3.25	8000	77.13	0	-1.71	0	0	236.8	0	0	0	0	0	0	-258.9	-258.9
Inverter Transformer	S_2_1_T	370230	4908848	2	0	0	65.3	65.3	1	1935	3.25	32	76.73	0	-5.7	0	0	0.06	0	0	0	0	0	0	-5.8	-5.8
Inverter Transformer	S_2_1_T	370230	4908848	2	0	0	71.3	71.3	1	1935	3.25	63	76.73	0	-5.7	0	0	0.24	0	0	0	0	0	0	0.03	0.03
Inverter Transformer	S_2_1_T	370230	4908848	2	0	0	73.3	73.3	1	1935	3.25	125	76.73	0	4.47	0	0	0.79	0	0	0	0	0	0	-8.7	-8.7
Inverter Transformer	S_2_1_T	370230	4908848	2	0	0	68.3	68.3	1	1935	3.25	250	76.73	0	3.46	0	0	2.02	0	0	0	0	0	0	-13.91	-13.91
Inverter Transformer	S_2_1_T	370230	4908848	2	0	0	68.3	68.3	1	1935	3.25	500	76.73	0	-0.15	0	0	3.73	0	0	0	0	0	0	-12.01	-12.01
Inverter Transformer	S_2_1_T	370230	4908848	2	0	0	62.3	62.3	1	1935	3.25	1000	76.73	0	-1.61	0	0	7.08	0	0	0	0	0	0	-19.89	-19.89

Inverter Transformer	S_2_1_T	370230	4908848	2	0	0	57.3	57.3	1	1935	3.25	2000	76.73	0	-1.71	0	0	18.7	0	0	0	0	0	0	-36.42	-36.42
Inverter Transformer	S_2_1_T	370230	4908848	2	0	0	52.3	52.3	1	1935	3.25	4000	76.73	0	-1.71	0	0	63.4	0	0	0	0	0	0	-86.12	-86.12
Inverter Transformer	S_2_1_T	370230	4908848	2	0	0	45.3	45.3	1	1935	3.25	8000	76.73	0	-1.71	0	0	226.1	0	0	0	0	0	0	-255.8	-255.8
Hut7Transformer	W_H7T	369723.6	4906583	2	0	0	54.2	54.2	1	2058	3.25	63	77.27	0	-5.72	0	0	0.25	0	0	0	0	0	0	-17.6	-17.6
Hut7Transformer	W_H7T	369723.6	4906583	2	0	0	66.3	66.3	1	2058	3.25	125	77.27	0	4.46	0	0	0.85	0	0	0	0	0	0	-16.28	-16.28
Hut7Transformer	W_H7T	369723.6	4906583	2	0	0	68.8	68.8	1	2058	3.25	250	77.27	0	3.46	0	0	2.15	0	0	0	0	0	0	-14.08	-14.08
Hut7Transformer	W_H7T	369723.6	4906583	2	0	0	74.2	74.2	1	2058	3.25	500	77.27	0	-0.16	0	0	3.97	0	0	0	0	0	0	-6.88	-6.88
Hut7Transformer	W_H7T	369723.6	4906583	2	0	0	71.4	71.4	1	2058	3.25	1000	77.27	0	-1.62	0	0	7.53	0	0	0	0	0	0	-11.78	-11.78
Hut7Transformer	W_H7T	369723.6	4906583	2	0	0	67.6	67.6	1	2058	3.25	2000	77.27	0	-1.71	0	0	19.89	0	0	0	0	0	0	-27.85	-27.85
Hut7Transformer	W_H7T	369723.6	4906583	2	0	0	62.4	62.4	1	2058	3.25	4000	77.27	0	-1.71	0	0	67.45	0	0	0	0	0	0	-80.6	-80.6
Hut7Transformer	W_H7T	369723.6	4906583	2	0	0	53.3	53.3	1	2058	3.25	8000	77.27	0	-1.71	0	0	240.6	0	0	0	0	0	0	-262.8	-262.8
Inverter Transformer	S_2_2_T	370325	4908704	2	0	0	65.3	65.3	1	1981	3.25	32	76.94	0	-5.7	0	0	0.06	0	0	0	0	0	0	-5.99	-5.99
Inverter Transformer	S_2_2_T	370325	4908704	2	0	0	71.3	71.3	1	1981	3.25	63	76.94	0	-5.7	0	0	0.24	0	0	0	0	0	0	-0.17	-0.17
Inverter Transformer	S_2_2_T	370325	4908704	2	0	0	73.3	73.3	1	1981	3.25	125	76.94	0	4.47	0	0	0.81	0	0	0	0	0	0	-8.92	-8.92
Inverter Transformer	S_2_2_T	370325	4908704	2	0	0	68.3	68.3	1	1981	3.25	250	76.94	0	3.46	0	0	2.07	0	0	0	0	0	0	-14.16	-14.16
Inverter Transformer	S_2_2_T	370325	4908704	2	0	0	68.3	68.3	1	1981	3.25	500	76.94	0	-0.15	0	0	3.82	0	0	0	0	0	0	-12.3	-12.3
Inverter Transformer	S_2_2_T	370325	4908704	2	0	0	62.3	62.3	1	1981	3.25	1000	76.94	0	-1.62	0	0	7.24	0	0	0	0	0	0	-20.26	-20.26
Inverter Transformer	S_2_2_T	370325	4908704	2	0	0	57.3	57.3	1	1981	3.25	2000	76.94	0	-1.71	0	0	19.14	0	0	0	0	0	0	-37.06	-37.06
Inverter Transformer	S_2_2_T	370325	4908704	2	0	0	52.3	52.3	1	1981	3.25	4000	76.94	0	-1.71	0	0	64.9	0	0	0	0	0	0	-87.83	-87.83
Inverter Transformer	S_2_2_T	370325	4908704	2	0	0	45.3	45.3	1	1981	3.25	8000	76.94	0	-1.71	0	0	231.5	0	0	0	0	0	0	-261.4	-261.4
Inverter Transformer	S_25A_3_T	369216	4909991	2	0	0	65.3	65.3	1	1986	3.25	32	76.96	0	-5.71	0	0	0.06	0	0	0	0	0	0	-6.02	-6.02
Inverter Transformer	S_25A_3_T	369216	4909991	2	0	0	71.3	71.3	1	1986	3.25	63	76.96	0	-5.71	0	0	0.24	0	0	0	0	0	0	-0.2	-0.2
Inverter Transformer	S_25A_3_T	369216	4909991	2	0	0	73.3	73.3	1	1986	3.25	125	76.96	0	4.47	0	0	0.82	0	0	0	0	0	0	-8.94	-8.94
Inverter Transformer	S_25A_3_T	369216	4909991	2	0	0	68.3	68.3	1	1986	3.25	250	76.96	0	3.46	0	0	2.07	0	0	0	0	0	0	-14.19	-14.19
Inverter Transformer	S_25A_3_T	369216	4909991	2	0	0	68.3	68.3	1	1986	3.25	500	76.96	0	-0.15	0	0	3.83	0	0	0	0	0	0	-12.33	-12.33
Inverter Transformer	S_25A_3_T	369216	4909991	2	0	0	62.3	62.3	1	1986	3.25	1000	76.96	0	-1.62	0	0	7.26	0	0	0	0	0	0	-20.31	-20.31
Inverter Transformer	S_25A_3_T	369216	4909991	2	0	0	57.3	57.3	1	1986	3.25	2000	76.96	0	-1.71	0	0	19.19	0	0	0	0	0	0	-37.14	-37.14
Inverter Transformer	S_25A_3_T	369216	4909991	2	0	0	52.3	52.3	1	1986	3.25	4000	76.96	0	-1.71	0	0	65.08	0	0	0	0	0	0	-88.02	-88.02
Inverter Transformer	S_25A_3_T	369216	4909991	2	0	0	45.3	45.3	1	1986	3.25	8000	76.96	0	-1.71	0	0	232.1	0	0	0	0	0	0	-262.1	-262.1
Inverter Transformer	S_12_1_T	370236	4907365	2	0	0	65.3	65.3	1	1990	3.25	32	76.98	0	-5.71	0	0	0.06	0	0	0	0	0	0	-6.04	-6.04
Inverter Transformer	S_12_1_T	370236	4907365	2	0	0	71.3	71.3	1	1990	3.25	63	76.98	0	-5.71	0	0	0.24	0	0	0	0	0	0	-0.21	-0.21
Inverter Transformer	S_12_1_T	370236	4907365	2	0	0	73.3	73.3	1	1990	3.25	125	76.98	0	4.47	0	0	0.82	0	0	0	0	0	0	-8.96	-8.96
Inverter Transformer	S_12_1_T	370236	4907365	2	0	0	68.3	68.3	1	1990	3.25	250	76.98	0	3.46	0	0	2.08	0	0	0	0	0	0	-14.22	-14.22
Inverter Transformer	S_12_1_T	370236	4907365	2	0	0	68.3	68.3	1	1990	3.25	500	76.98	0	-0.15	0	0	3.84	0	0	0	0	0	0	-12.36	-12.36
Inverter Transformer	S_12_1_T	370236	4907365	2	0	0	62.3	62.3	1	1990	3.25	1000	76.98	0	-1.62	0	0	7.28	0	0	0	0	0	0	-20.34	-20.34
Inverter Transformer	S_12_1_T	370236	4907365	2	0	0	57.3	57.3	1	1990	3.25	2000	76.98	0	-1.71	0	0	19.23	0	0	0	0	0	0	-37.2	-37.2
Inverter Transformer	S_12_1_T	370236	4907365	2	0	0	52.3	52.3	1	1990	3.25	4000	76.98	0	-1.71	0	0	65.23	0	0	0	0	0	0	-88.19	-88.19
Inverter Transformer	S_12_1_T	370236	4907365	2	0	0	45.3	45.3	1	1990	3.25	8000	76.98	0	-1.71	0	0	232.6	0	0	0	0	0	0	-262.6	-262.6
Inverter Transformer	S_25B_1_T	368980	4910359	2	0	0	66.2	66.2	1	2257	3.25	32	78.07	0	-5.74	0	0	0.07	0	0	0	0	0	0	-6.2	-6.2
Inverter Transformer	S_25B_1_T	368980	4910359	2	0	0	72.2	72.2	1	2257	3.25	63	78.07	0	-5.74	0	0	0.27	0	0	0	0	0	0	-0.41	-0.41
Inverter Transformer	S_25B_1_T	368980	4910359	2	0	0	74.2	74.2	1	2257	3.25	125	78.07	0	4.46	0	0	0.93	0	0	0	0	0	0	-9.26	-9.26
Inverter Transformer	S_25B_1_T	368980	4910359	2	0	0	69.2	69.2	1	2257	3.25	250	78.07	0	3.45	0	0	2.36	0	0	0	0	0	0	-14.68	-14.68
Inverter Transformer	S_25B_1_T	368980	4910359	2	0	0	69.2	69.2	1	2257	3.25	500	78.07	0	-0.16	0	0	4.35	0	0	0	0	0	0	-13.06	-13.06
Inverter Transformer	S_25B_1_T	368980	4910359	2	0	0	63.2	63.2	1	2257	3.25	1000	78.07	0	-1.63	0	0	8.26	0	0	0	0	0	0	-21.5	-21.5
Inverter Transformer	S_25B_1_T	368980	4910359	2	0	0	58.2	58.2	1	2257	3.25	2000	78.07	0	-1.72	0	0	21.81	0	0	0	0	0	0	-39.96	-39.96
Inverter Transformer	S_25B_1_T	368980	4910359	2	0	0	53.2	53.2	1	2257	3.25	4000	78.07	0	-1.72	0	0	73.97	0	0	0	0	0	0	-97.12	-97.12
Inverter Transformer	S_25B_1_T	368980	4910359	2	0	0	46.2	46.2	1	2257	3.25	8000	78.07	0	-1.72	0	0	263.8	0	0	0	0	0	0	-294	-294
Hut5Transformer	W_H5T	369876	4906583	2	0	0	54.2	54.2	1	2158	3.25	63	77.68	0	-5.73	0	0	0.26	0	0	0	0	0	0	-18.02	-18.02
Hut5Transformer	W_H5T	369876	4906583	2	0	0	66.3	66.3	1	2158	3.25	125	77.68	0	4.46	0	0	0.89	0	0	0	0	0	0	-16.73	-16.73
Hut5Transformer	W_H5T	369876	4906583	2	0	0	68.8	68.8	1	2158	3.25	250	77.68	0	3.45	0	0	2.25	0	0	0	0	0	0	-14.59	-14.59
Hut5Transformer	W_H5T	369876	4906583	2	0	0	74.2	74.2	1	2158	3.25	500	77.68	0	-0.16	0	0	4.16	0	0	0	0	0	0	-7.48	-7.48
Hut5Transformer	W_H5T	369876	4906583	2	0	0	71.4	71.4	1	2158	3.25	1000	77.68	0	-1.62	0	0	7.89	0	0	0	0	0	0	-12.55	-12.55
Hut5Transformer	W_H5T	369876	4906583	2	0	0	67.6	67.6	1	2158	3.25	2000	77.68	0	-1.72	0	0	20.86	0	0	0	0	0	0	-29.22	-29.22
Hut5Transformer	W_H5T	369876	4906583	2	0	0	62.4	62.4	1	2158	3.25	4000	77.68	0	-1.72	0	0	70.72	0	0	0	0	0	0	-84.29	-84.29
Hut5Transformer	W_H5T	369876	4906583	2	0	0	53.3	53.3	1	2158	3.25	8000	77.68	0	-1.72	0	0	252.3	0	0	0	0	0	0	-274.9	-274.9

Inverter Transformer	S_12_3_T	370207	4907134	2	0	0	65.3	65.3	1	2070	3.25	32	77.32	0	-5.72	0	0	0.07	0	0	0	0	0	0	-6.37	-6.37
Inverter Transformer	S_12_3_T	370207	4907134	2	0	0	71.3	71.3	1	2070	3.25	63	77.32	0	-5.72	0	0	0.25	0	0	0	0	0	0	-0.55	-0.55
Inverter Transformer	S_12_3_T	370207	4907134	2	0	0	73.3	73.3	1	2070	3.25	125	77.32	0	4.46	0	0	0.85	0	0	0	0	0	0	-9.33	-9.33
Inverter Transformer	S_12_3_T	370207	4907134	2	0	0	68.3	68.3	1	2070	3.25	250	77.32	0	3.46	0	0	2.16	0	0	0	0	0	0	-14.64	-14.64
Inverter Transformer	S_12_3_T	370207	4907134	2	0	0	68.3	68.3	1	2070	3.25	500	77.32	0	-0.16	0	0	3.99	0	0	0	0	0	0	-12.85	-12.85
Inverter Transformer	S_12_3_T	370207	4907134	2	0	0	62.3	62.3	1	2070	3.25	1000	77.32	0	-1.62	0	0	7.57	0	0	0	0	0	0	-20.97	-20.97
Inverter Transformer	S_12_3_T	370207	4907134	2	0	0	57.3	57.3	1	2070	3.25	2000	77.32	0	-1.72	0	0	20	0	0	0	0	0	0	-38.3	-38.3
Inverter Transformer	S_12_3_T	370207	4907134	2	0	0	52.3	52.3	1	2070	3.25	4000	77.32	0	-1.72	0	0	67.82	0	0	0	0	0	0	-91.13	-91.13
Inverter Transformer	S_12_3_T	370207	4907134	2	0	0	45.3	45.3	1	2070	3.25	8000	77.32	0	-1.72	0	0	241.9	0	0	0	0	0	0	-272.2	-272.2
Hut3Transformer	W_H3T	369324.7	4906178	2	0	0	54.2	54.2	1	2192	3.25	63	77.82	0	-5.73	0	0	0.27	0	0	0	0	0	0	-18.15	-18.15
Hut3Transformer	W_H3T	369324.7	4906178	2	0	0	66.3	66.3	1	2192	3.25	125	77.82	0	4.46	0	0	0.9	0	0	0	0	0	0	-16.88	-16.88
Hut3Transformer	W_H3T	369324.7	4906178	2	0	0	68.8	68.8	1	2192	3.25	250	77.82	0	3.45	0	0	2.29	0	0	0	0	0	0	-14.76	-14.76
Hut3Transformer	W_H3T	369324.7	4906178	2	0	0	74.2	74.2	1	2192	3.25	500	77.82	0	-0.16	0	0	4.23	0	0	0	0	0	0	-7.68	-7.68
Hut3Transformer	W_H3T	369324.7	4906178	2	0	0	71.4	71.4	1	2192	3.25	1000	77.82	0	-1.62	0	0	8.02	0	0	0	0	0	0	-12.81	-12.81
Hut3Transformer	W_H3T	369324.7	4906178	2	0	0	67.6	67.6	1	2192	3.25	2000	77.82	0	-1.72	0	0	21.18	0	0	0	0	0	0	-29.68	-29.68
Hut3Transformer	W_H3T	369324.7	4906178	2	0	0	62.4	62.4	1	2192	3.25	4000	77.82	0	-1.72	0	0	71.83	0	0	0	0	0	0	-85.53	-85.53
Hut3Transformer	W_H3T	369324.7	4906178	2	0	0	53.3	53.3	1	2192	3.25	8000	77.82	0	-1.72	0	0	256.2	0	0	0	0	0	0	-279	-279
Inverter Transformer	S_25B_2_T	368987	4910180	2	0	0	65.3	65.3	1	2086	3.25	32	77.39	0	-5.72	0	0	0.07	0	0	0	0	0	0	-6.44	-6.44
Inverter Transformer	S_25B_2_T	368987	4910180	2	0	0	71.3	71.3	1	2086	3.25	63	77.39	0	-5.72	0	0	0.25	0	0	0	0	0	0	-0.62	-0.62
Inverter Transformer	S_25B_2_T	368987	4910180	2	0	0	73.3	73.3	1	2086	3.25	125	77.39	0	4.46	0	0	0.86	0	0	0	0	0	0	-9.41	-9.41
Inverter Transformer	S_25B_2_T	368987	4910180	2	0	0	68.3	68.3	1	2086	3.25	250	77.39	0	3.46	0	0	2.18	0	0	0	0	0	0	-14.72	-14.72
Inverter Transformer	S_25B_2_T	368987	4910180	2	0	0	68.3	68.3	1	2086	3.25	500	77.39	0	-0.16	0	0	4.02	0	0	0	0	0	0	-12.95	-12.95
Inverter Transformer	S_25B_2_T	368987	4910180	2	0	0	62.3	62.3	1	2086	3.25	1000	77.39	0	-1.62	0	0	7.63	0	0	0	0	0	0	-21.1	-21.1
Inverter Transformer	S_25B_2_T	368987	4910180	2	0	0	57.3	57.3	1	2086	3.25	2000	77.39	0	-1.72	0	0	20.16	0	0	0	0	0	0	-38.53	-38.53
Inverter Transformer	S_25B_2_T	368987	4910180	2	0	0	52.3	52.3	1	2086	3.25	4000	77.39	0	-1.72	0	0	68.37	0	0	0	0	0	0	-91.74	-91.74
Inverter Transformer	S_25B_2_T	368987	4910180	2	0	0	45.3	45.3	1	2086	3.25	8000	77.39	0	-1.72	0	0	243.9	0	0	0	0	0	0	-274.2	-274.2
Hut10Transformer	W_H10T	369623.8	4906339	2	0	0	54.2	54.2	1	2196	3.25	63	77.83	0	-5.73	0	0	0.27	0	0	0	0	0	0	-18.17	-18.17
Hut10Transformer	W_H10T	369623.8	4906339	2	0	0	66.3	66.3	1	2196	3.25	125	77.83	0	4.46	0	0	0.9	0	0	0	0	0	0	-16.89	-16.89
Hut10Transformer	W_H10T	369623.8	4906339	2	0	0	68.8	68.8	1	2196	3.25	250	77.83	0	3.45	0	0	2.29	0	0	0	0	0	0	-14.78	-14.78
Hut10Transformer	W_H10T	369623.8	4906339	2	0	0	74.2	74.2	1	2196	3.25	500	77.83	0	-0.16	0	0	4.23	0	0	0	0	0	0	-7.7	-7.7
Hut10Transformer	W_H10T	369623.8	4906339	2	0	0	71.4	71.4	1	2196	3.25	1000	77.83	0	-1.62	0	0	8.03	0	0	0	0	0	0	-12.84	-12.84
Hut10Transformer	W_H10T	369623.8	4906339	2	0	0	67.6	67.6	1	2196	3.25	2000	77.83	0	-1.72	0	0	21.22	0	0	0	0	0	0	-29.73	-29.73
Hut10Transformer	W_H10T	369623.8	4906339	2	0	0	62.4	62.4	1	2196	3.25	4000	77.83	0	-1.72	0	0	71.95	0	0	0	0	0	0	-85.66	-85.66
Hut10Transformer	W_H10T	369623.8	4906339	2	0	0	53.3	53.3	1	2196	3.25	8000	77.83	0	-1.72	0	0	256.6	0	0	0	0	0	0	-279.5	-279.5
Hut6Transformer	W_H6T	369770.5	4906422	2	0	0	54.2	54.2	1	2213	3.25	63	77.9	0	-5.74	0	0	0.27	0	0	0	0	0	0	-18.23	-18.23
Hut6Transformer	W_H6T	369770.5	4906422	2	0	0	66.3	66.3	1	2213	3.25	125	77.9	0	4.46	0	0	0.91	0	0	0	0	0	0	-16.97	-16.97
Hut6Transformer	W_H6T	369770.5	4906422	2	0	0	68.8	68.8	1	2213	3.25	250	77.9	0	3.45	0	0	2.31	0	0	0	0	0	0	-14.86	-14.86
Hut6Transformer	W_H6T	369770.5	4906422	2	0	0	74.2	74.2	1	2213	3.25	500	77.9	0	-0.16	0	0	4.27	0	0	0	0	0	0	-7.8	-7.8
Hut6Transformer	W_H6T	369770.5	4906422	2	0	0	71.4	71.4	1	2213	3.25	1000	77.9	0	-1.63	0	0	8.1	0	0	0	0	0	0	-12.97	-12.97
Hut6Transformer	W_H6T	369770.5	4906422	2	0	0	67.6	67.6	1	2213	3.25	2000	77.9	0	-1.72	0	0	21.39	0	0	0	0	0	0	-29.97	-29.97
Hut6Transformer	W_H6T	369770.5	4906422	2	0	0	62.4	62.4	1	2213	3.25	4000	77.9	0	-1.72	0	0	72.53	0	0	0	0	0	0	-86.31	-86.31
Hut6Transformer	W_H6T	369770.5	4906422	2	0	0	53.3	53.3	1	2213	3.25	8000	77.9	0	-1.72	0	0	258.7	0	0	0	0	0	0	-281.6	-281.6
Hut2Transformer	W_H2T	369506.4	4906178	2	0	0	54.2	54.2	1	2273	3.25	63	78.13	0	-5.74	0	0	0.28	0	0	0	0	0	0	-18.47	-18.47
Hut2Transformer	W_H2T	369506.4	4906178	2	0	0	66.3	66.3	1	2273	3.25	125	78.13	0	4.46	0	0	0.93	0	0	0	0	0	0	-17.22	-17.22
Hut2Transformer	W_H2T	369506.4	4906178	2	0	0	68.8	68.8	1	2273	3.25	250	78.13	0	3.45	0	0	2.37	0	0	0	0	0	0	-15.16	-15.16
Hut2Transformer	W_H2T	369506.4	4906178	2	0	0	74.2	74.2	1	2273	3.25	500	78.13	0	-0.17	0	0	4.38	0	0	0	0	0	0	-8.15	-8.15
Hut2Transformer	W_H2T	369506.4	4906178	2	0	0	71.4	71.4	1	2273	3.25	1000	78.13	0	-1.63	0	0	8.32	0	0	0	0	0	0	-13.42	-13.42
Hut2Transformer	W_H2T	369506.4	4906178	2	0	0	67.6	67.6	1	2273	3.25	2000	78.13	0	-1.72	0	0	21.97	0	0	0	0	0	0	-30.78	-30.78
Hut2Transformer	W_H2T	369506.4	4906178	2	0	0	62.4	62.4	1	2273	3.25	4000	78.13	0	-1.72	0	0	74.5	0	0	0	0	0	0	-88.51	-88.51
Hut2Transformer	W_H2T	369506.4	4906178	2	0	0	53.3	53.3	1	2273	3.25	8000	78.13	0	-1.72	0	0	265.7	0	0	0	0	0	0	-288.8	-288.8
Inverter Transformer	S_12_4_T	370250	4906972	2	0	0	65.3	65.3	1	2191	3.25	32	77.81	0	-5.73	0	0	0.07	0	0	0	0	0	0	-6.85	-6.85
Inverter Transformer	S_12_4_T	370250	4906972	2	0	0	71.3	71.3	1	2191	3.25	63	77.81	0	-5.73	0	0	0.27	0	0	0	0	0	0	-1.05	-1.05
Inverter Transformer	S_12_4_T	370250	4906972	2	0	0	73.3	73.3	1	2191	3.25	125	77.81	0	4.46	0	0	0.9	0	0	0	0	0	0	-9.87	-9.87
Inverter Transformer	S_12_4_T	370250	4906972	2	0	0	68.3	68.3	1	2191	3.25	250	77.81	0	3.45	0	0	2.29	0	0	0	0	0	0	-15.25	-15.25
Inverter Transformer	S_12_4_T	370250	4906972	2	0	0	68.3	68.3	1	2191	3.25	500	77.81	0	-0.16	0	0	4.22	0	0	0	0	0	0	-13.58	-13.58

Inverter Transformer	S_12_4_T	370250	4906972	2	0	0	62.3	62.3	1	2191	3.25	1000	77.81	0	-1.62	0	0	8.02	0	0	0	0	0	0	-21.91	-21.91
Inverter Transformer	S_12_4_T	370250	4906972	2	0	0	57.3	57.3	1	2191	3.25	2000	77.81	0	-1.72	0	0	21.18	0	0	0	0	0	0	-39.97	-39.97
Inverter Transformer	S_12_4_T	370250	4906972	2	0	0	52.3	52.3	1	2191	3.25	4000	77.81	0	-1.72	0	0	71.81	0	0	0	0	0	0	-95.61	-95.61
Inverter Transformer	S_12_4_T	370250	4906972	2	0	0	45.3	45.3	1	2191	3.25	8000	77.81	0	-1.72	0	0	256.1	0	0	0	0	0	0	-286.9	-286.9
Hut1Transformer	W_H1T	369688.2	4906178	2	0	0	54.2	54.2	1	2366	3.25	63	78.48	0	-5.75	0	0	0.29	0	0	0	0	0	0	-18.81	-18.81
Hut1Transformer	W_H1T	369688.2	4906178	2	0	0	66.3	66.3	1	2366	3.25	125	78.48	0	4.45	0	0	0.97	0	0	0	0	0	0	-17.61	-17.61
Hut1Transformer	W_H1T	369688.2	4906178	2	0	0	68.8	68.8	1	2366	3.25	250	78.48	0	3.45	0	0	2.47	0	0	0	0	0	0	-15.6	-15.6
Hut1Transformer	W_H1T	369688.2	4906178	2	0	0	74.2	74.2	1	2366	3.25	500	78.48	0	-0.17	0	0	4.56	0	0	0	0	0	0	-8.67	-8.67
Hut1Transformer	W_H1T	369688.2	4906178	2	0	0	71.4	71.4	1	2366	3.25	1000	78.48	0	-1.63	0	0	8.65	0	0	0	0	0	0	-14.1	-14.1
Hut1Transformer	W_H1T	369688.2	4906178	2	0	0	67.6	67.6	1	2366	3.25	2000	78.48	0	-1.73	0	0	22.86	0	0	0	0	0	0	-32.02	-32.02
Hut1Transformer	W_H1T	369688.2	4906178	2	0	0	62.4	62.4	1	2366	3.25	4000	78.48	0	-1.73	0	0	77.53	0	0	0	0	0	0	-91.88	-91.88
Hut1Transformer	W_H1T	369688.2	4906178	2	0	0	53.3	53.3	1	2366	3.25	8000	78.48	0	-1.73	0	0	276.5	0	0	0	0	0	0	-300	-300
Inverter Transformer	S_25A_1_T	369086	4910370	2	0	0	65.3	65.3	1	2297	3.25	32	78.22	0	-5.75	0	0	0.07	0	0	0	0	0	0	-7.25	-7.25
Inverter Transformer	S_25A_1_T	369086	4910370	2	0	0	71.3	71.3	1	2297	3.25	63	78.22	0	-5.75	0	0	0.28	0	0	0	0	0	0	-1.46	-1.46
Inverter Transformer	S_25A_1_T	369086	4910370	2	0	0	73.3	73.3	1	2297	3.25	125	78.22	0	4.46	0	0	0.94	0	0	0	0	0	0	-10.32	-10.32
Inverter Transformer	S_25A_1_T	369086	4910370	2	0	0	68.3	68.3	1	2297	3.25	250	78.22	0	3.45	0	0	2.4	0	0	0	0	0	0	-15.77	-15.77
Inverter Transformer	S_25A_1_T	369086	4910370	2	0	0	68.3	68.3	1	2297	3.25	500	78.22	0	-0.17	0	0	4.43	0	0	0	0	0	0	-14.18	-14.18
Inverter Transformer	S_25A_1_T	369086	4910370	2	0	0	62.3	62.3	1	2297	3.25	1000	78.22	0	-1.63	0	0	8.4	0	0	0	0	0	0	-22.69	-22.69
Inverter Transformer	S_25A_1_T	369086	4910370	2	0	0	57.3	57.3	1	2297	3.25	2000	78.22	0	-1.72	0	0	22.19	0	0	0	0	0	0	-41.39	-41.39
Inverter Transformer	S_25A_1_T	369086	4910370	2	0	0	52.3	52.3	1	2297	3.25	4000	78.22	0	-1.72	0	0	75.26	0	0	0	0	0	0	-99.46	-99.46
Inverter Transformer	S_25A_1_T	369086	4910370	2	0	0	45.3	45.3	1	2297	3.25	8000	78.22	0	-1.72	0	0	268.4	0	0	0	0	0	0	-299.6	-299.6
Inverter Transformer	S_19_5_T	365796	4906394	2	0	0	66.2	66.2	1	3168	3.25	32	81.01	0	-5.82	0	0	0.1	0	0	0	0	0	0	-9.1	-9.1
Inverter Transformer	S_19_5_T	365796	4906394	2	0	0	72.2	72.2	1	3168	3.25	63	81.01	0	-5.82	0	0	0.39	0	0	0	0	0	0	-3.39	-3.39
Inverter Transformer	S_19_5_T	365796	4906394	2	0	0	74.2	74.2	1	3168	3.25	125	81.01	0	4.44	0	0	1.3	0	0	0	0	0	0	-12.55	-12.55
Inverter Transformer	S_19_5_T	365796	4906394	2	0	0	69.2	69.2	1	3168	3.25	250	81.01	0	3.43	0	0	3.31	0	0	0	0	0	0	-18.55	-18.55
Inverter Transformer	S_19_5_T	365796	4906394	2	0	0	69.2	69.2	1	3168	3.25	500	81.01	0	-0.19	0	0	6.11	0	0	0	0	0	0	-17.73	-17.73
Inverter Transformer	S_19_5_T	365796	4906394	2	0	0	63.2	63.2	1	3168	3.25	1000	81.01	0	-1.65	0	0	11.59	0	0	0	0	0	0	-27.75	-27.75
Inverter Transformer	S_19_5_T	365796	4906394	2	0	0	58.2	58.2	1	3168	3.25	2000	81.01	0	-1.74	0	0	30.61	0	0	0	0	0	0	-51.68	-51.68
Inverter Transformer	S_19_5_T	365796	4906394	2	0	0	53.2	53.2	1	3168	3.25	4000	81.01	0	-1.74	0	0	103.8	0	0	0	0	0	0	-129.9	-129.9
Inverter Transformer	S_19_5_T	365796	4906394	2	0	0	46.2	46.2	1	3168	3.25	8000	81.01	0	-1.74	0	0	370.3	0	0	0	0	0	0	-403.3	-403.3
Inverter Transformer	S_19_2_T	365975	4906655	2	0	0	65.3	65.3	1	2875	3.25	32	80.17	0	-5.8	0	0	0.09	0	0	0	0	0	0	-9.17	-9.17
Inverter Transformer	S_19_2_T	365975	4906655	2	0	0	71.3	71.3	1	2875	3.25	63	80.17	0	-5.8	0	0	0.35	0	0	0	0	0	0	-3.43	-3.43
Inverter Transformer	S_19_2_T	365975	4906655	2	0	0	73.3	73.3	1	2875	3.25	125	80.17	0	4.44	0	0	1.18	0	0	0	0	0	0	-12.5	-12.5
Inverter Transformer	S_19_2_T	365975	4906655	2	0	0	68.3	68.3	1	2875	3.25	250	80.17	0	3.43	0	0	3	0	0	0	0	0	0	-18.31	-18.31
Inverter Transformer	S_19_2_T	365975	4906655	2	0	0	68.3	68.3	1	2875	3.25	500	80.17	0	-0.18	0	0	5.54	0	0	0	0	0	0	-17.24	-17.24
Inverter Transformer	S_19_2_T	365975	4906655	2	0	0	62.3	62.3	1	2875	3.25	1000	80.17	0	-1.64	0	0	10.52	0	0	0	0	0	0	-26.75	-26.75
Inverter Transformer	S_19_2_T	365975	4906655	2	0	0	57.3	57.3	1	2875	3.25	2000	80.17	0	-1.74	0	0	27.79	0	0	0	0	0	0	-48.92	-48.92
Inverter Transformer	S_19_2_T	365975	4906655	2	0	0	52.3	52.3	1	2875	3.25	4000	80.17	0	-1.74	0	0	94.23	0	0	0	0	0	0	-120.4	-120.4
Inverter Transformer	S_19_2_T	365975	4906655	2	0	0	45.3	45.3	1	2875	3.25	8000	80.17	0	-1.74	0	0	336.1	0	0	0	0	0	0	-369.2	-369.2
Inverter Transformer	S_19_1_T	365844	4906817	2	0	0	65.3	65.3	1	2908	3.25	32	80.27	0	-5.8	0	0	0.09	0	0	0	0	0	0	-9.27	-9.27
Inverter Transformer	S_19_1_T	365844	4906817	2	0	0	71.3	71.3	1	2908	3.25	63	80.27	0	-5.8	0	0	0.35	0	0	0	0	0	0	-3.53	-3.53
Inverter Transformer	S_19_1_T	365844	4906817	2	0	0	73.3	73.3	1	2908	3.25	125	80.27	0	4.44	0	0	1.2	0	0	0	0	0	0	-12.61	-12.61
Inverter Transformer	S_19_1_T	365844	4906817	2	0	0	68.3	68.3	1	2908	3.25	250	80.27	0	3.43	0	0	3.03	0	0	0	0	0	0	-18.44	-18.44
Inverter Transformer	S_19_1_T	365844	4906817	2	0	0	68.3	68.3	1	2908	3.25	500	80.27	0	-0.18	0	0	5.61	0	0	0	0	0	0	-17.4	-17.4
Inverter Transformer	S_19_1_T	365844	4906817	2	0	0	62.3	62.3	1	2908	3.25	1000	80.27	0	-1.64	0	0	10.64	0	0	0	0	0	0	-26.97	-26.97
Inverter Transformer	S_19_1_T	365844	4906817	2	0	0	57.3	57.3	1	2908	3.25	2000	80.27	0	-1.74	0	0	28.11	0	0	0	0	0	0	-49.34	-49.34
Inverter Transformer	S_19_1_T	365844	4906817	2	0	0	52.3	52.3	1	2908	3.25	4000	80.27	0	-1.74	0	0	95.31	0	0	0	0	0	0	-121.5	-121.5
Inverter Transformer	S_19_1_T	365844	4906817	2	0	0	45.3	45.3	1	2908	3.25	8000	80.27	0	-1.74	0	0	340	0	0	0	0	0	0	-373.2	-373.2
Inverter Transformer	S_19_3_T	365816	4906637	2	0	0	65.3	65.3	1	3021	3.25	32	80.6	0	-5.81	0	0	0.1	0	0	0	0	0	0	-9.59	-9.59
Inverter Transformer	S_19_3_T	365816	4906637	2	0	0	71.3	71.3	1	3021	3.25	63	80.6	0	-5.81	0	0	0.37	0	0	0	0	0	0	-3.86	-3.86
Inverter Transformer	S_19_3_T	365816	4906637	2	0	0	73.3	73.3	1	3021	3.25	125	80.6	0	4.44	0	0	1.24	0	0	0	0	0	0	-12.98	-12.98
Inverter Transformer	S_19_3_T	365816	4906637	2	0	0	68.3	68.3	1	3021	3.25	250	80.6	0	3.43	0	0	3.15	0	0	0	0	0	0	-18.88	-18.88
Inverter Transformer	S_19_3_T	365816	4906637	2	0	0	68.3	68.3	1	3021	3.25	500	80.6	0	-0.18	0	0	5.82	0	0	0	0	0	0	-17.94	-17.94
Inverter Transformer	S_19_3_T	365816	4906637	2	0	0	62.3	62.3	1	3021	3.25	1000	80.6	0	-1.65	0	0	11.05	0	0	0	0	0	0	-27.7	-27.7
Inverter Transformer	S_19_3_T	365816	4906637	2	0	0	57.3	57.3	1	3021	3.25	2000	80.6	0	-1.74	0	0	29.19	0	0	0	0	0	0	-50.75	-50.75

Inverter Transformer	S_19_3_T	365816	4906637	2	0	0	52.3	52.3	1	3021	3.25	4000	80.6	0	-1.74	0	0	98.99	0	0	0	0	0	0	-125.6	-125.6
Inverter Transformer	S_19_3_T	365816	4906637	2	0	0	45.3	45.3	1	3021	3.25	8000	80.6	0	-1.74	0	0	353.1	0	0	0	0	0	0	-386.6	-386.6
Inverter Transformer	S_20_1_T	365589	4906625	2	0	0	65.3	65.3	1	3224	3.25	32	81.17	0	-5.82	0	0	0.1	0	0	0	0	0	0	-10.15	-10.15
Inverter Transformer	S_20_1_T	365589	4906625	2	0	0	71.3	71.3	1	3224	3.25	63	81.17	0	-5.82	0	0	0.39	0	0	0	0	0	0	-4.44	-4.44
Inverter Transformer	S_20_1_T	365589	4906625	2	0	0	73.3	73.3	1	3224	3.25	125	81.17	0	4.43	0	0	1.32	0	0	0	0	0	0	-13.63	-13.63
Inverter Transformer	S_20_1_T	365589	4906625	2	0	0	68.3	68.3	1	3224	3.25	250	81.17	0	3.43	0	0	3.36	0	0	0	0	0	0	-19.66	-19.66
Inverter Transformer	S_20_1_T	365589	4906625	2	0	0	68.3	68.3	1	3224	3.25	500	81.17	0	-0.19	0	0	6.22	0	0	0	0	0	0	-18.89	-18.89
Inverter Transformer	S_20_1_T	365589	4906625	2	0	0	62.3	62.3	1	3224	3.25	1000	81.17	0	-1.65	0	0	11.79	0	0	0	0	0	0	-29.01	-29.01
Inverter Transformer	S_20_1_T	365589	4906625	2	0	0	57.3	57.3	1	3224	3.25	2000	81.17	0	-1.75	0	0	31.16	0	0	0	0	0	0	-53.28	-53.28
Inverter Transformer	S_20_1_T	365589	4906625	2	0	0	52.3	52.3	1	3224	3.25	4000	81.17	0	-1.75	0	0	105.7	0	0	0	0	0	0	-132.8	-132.8
Inverter Transformer	S_20_1_T	365589	4906625	2	0	0	45.3	45.3	1	3224	3.25	8000	81.17	0	-1.75	0	0	376.8	0	0	0	0	0	0	-410.9	-410.9
Inverter Transformer	S_21_1_T	364681	4906355	2	0	0	66.2	66.2	1	4155	3.25	32	83.37	0	-5.86	0	0	0.13	0	0	0	0	0	0	-11.44	-11.44
Inverter Transformer	S_21_1_T	364681	4906355	2	0	0	72.2	72.2	1	4155	3.25	63	83.37	0	-5.86	0	0	0.51	0	0	0	0	0	0	-5.82	-5.82
Inverter Transformer	S_21_1_T	364681	4906355	2	0	0	74.2	74.2	1	4155	3.25	125	83.37	0	4.42	0	0	1.71	0	0	0	0	0	0	-15.3	-15.3
Inverter Transformer	S_21_1_T	364681	4906355	2	0	0	69.2	69.2	1	4155	3.25	250	83.37	0	3.42	0	0	4.34	0	0	0	0	0	0	-21.92	-21.92
Inverter Transformer	S_21_1_T	364681	4906355	2	0	0	69.2	69.2	1	4155	3.25	500	83.37	0	-0.2	0	0	8.01	0	0	0	0	0	0	-21.98	-21.98
Inverter Transformer	S_21_1_T	364681	4906355	2	0	0	63.2	63.2	1	4155	3.25	1000	83.37	0	-1.66	0	0	15.2	0	0	0	0	0	0	-33.71	-33.71
Inverter Transformer	S_21_1_T	364681	4906355	2	0	0	58.2	58.2	1	4155	3.25	2000	83.37	0	-1.76	0	0	40.15	0	0	0	0	0	0	-63.57	-63.57
Inverter Transformer	S_21_1_T	364681	4906355	2	0	0	53.2	53.2	1	4155	3.25	4000	83.37	0	-1.76	0	0	136.2	0	0	0	0	0	0	-164.6	-164.6
Inverter Transformer	S_21_1_T	364681	4906355	2	0	0	46.2	46.2	1	4155	3.25	8000	83.37	0	-1.76	0	0	485.6	0	0	0	0	0	0	-521	-521
Inverter Transformer	S_21_5_T	364925	4905785	2	0	0	66.2	66.2	1	4230	3.25	32	83.53	0	-5.86	0	0	0.14	0	0	0	0	0	0	-11.6	-11.6
Inverter Transformer	S_21_5_T	364925	4905785	2	0	0	72.2	72.2	1	4230	3.25	63	83.53	0	-5.86	0	0	0.51	0	0	0	0	0	0	-5.98	-5.98
Inverter Transformer	S_21_5_T	364925	4905785	2	0	0	74.2	74.2	1	4230	3.25	125	83.53	0	4.42	0	0	1.74	0	0	0	0	0	0	-15.49	-15.49
Inverter Transformer	S_21_5_T	364925	4905785	2	0	0	69.2	69.2	1	4230	3.25	250	83.53	0	3.41	0	0	4.41	0	0	0	0	0	0	-22.16	-22.16
Inverter Transformer	S_21_5_T	364925	4905785	2	0	0	69.2	69.2	1	4230	3.25	500	83.53	0	-0.2	0	0	8.16	0	0	0	0	0	0	-22.28	-22.28
Inverter Transformer	S_21_5_T	364925	4905785	2	0	0	63.2	63.2	1	4230	3.25	1000	83.53	0	-1.66	0	0	15.47	0	0	0	0	0	0	-34.14	-34.14
Inverter Transformer	S_21_5_T	364925	4905785	2	0	0	58.2	58.2	1	4230	3.25	2000	83.53	0	-1.76	0	0	40.88	0	0	0	0	0	0	-64.45	-64.45
Inverter Transformer	S_21_5_T	364925	4905785	2	0	0	53.2	53.2	1	4230	3.25	4000	83.53	0	-1.76	0	0	138.6	0	0	0	0	0	0	-167.2	-167.2
Inverter Transformer	S_21_5_T	364925	4905785	2	0	0	46.2	46.2	1	4230	3.25	8000	83.53	0	-1.76	0	0	494.5	0	0	0	0	0	0	-530	-530
Inverter Transformer	S_22_2_T	364777	4905647	2	0	0	66.2	66.2	1	4431	3.25	32	83.93	0	-5.87	0	0	0.14	0	0	0	0	0	0	-12	-12
Inverter Transformer	S_22_2_T	364777	4905647	2	0	0	72.2	72.2	1	4431	3.25	63	83.93	0	-5.87	0	0	0.54	0	0	0	0	0	0	-6.4	-6.4
Inverter Transformer	S_22_2_T	364777	4905647	2	0	0	74.2	74.2	1	4431	3.25	125	83.93	0	4.42	0	0	1.82	0	0	0	0	0	0	-15.97	-15.97
Inverter Transformer	S_22_2_T	364777	4905647	2	0	0	69.2	69.2	1	4431	3.25	250	83.93	0	3.41	0	0	4.62	0	0	0	0	0	0	-22.76	-22.76
Inverter Transformer	S_22_2_T	364777	4905647	2	0	0	69.2	69.2	1	4431	3.25	500	83.93	0	-0.2	0	0	8.54	0	0	0	0	0	0	-23.07	-23.07
Inverter Transformer	S_22_2_T	364777	4905647	2	0	0	63.2	63.2	1	4431	3.25	1000	83.93	0	-1.66	0	0	16.21	0	0	0	0	0	0	-35.27	-35.27
Inverter Transformer	S_22_2_T	364777	4905647	2	0	0	58.2	58.2	1	4431	3.25	2000	83.93	0	-1.76	0	0	42.82	0	0	0	0	0	0	-66.79	-66.79
Inverter Transformer	S_22_2_T	364777	4905647	2	0	0	53.2	53.2	1	4431	3.25	4000	83.93	0	-1.76	0	0	145.2	0	0	0	0	0	0	-174.2	-174.2
Inverter Transformer	S_22_2_T	364777	4905647	2	0	0	46.2	46.2	1	4431	3.25	8000	83.93	0	-1.76	0	0	517.9	0	0	0	0	0	0	-553.8	-553.8
Inverter Transformer	S_21_2_T	364722	4906166	2	0	0	65.3	65.3	1	4205	3.25	32	83.48	0	-5.86	0	0	0.13	0	0	0	0	0	0	-12.45	-12.45
Inverter Transformer	S_21_2_T	364722	4906166	2	0	0	71.3	71.3	1	4205	3.25	63	83.48	0	-5.86	0	0	0.51	0	0	0	0	0	0	-6.83	-6.83
Inverter Transformer	S_21_2_T	364722	4906166	2	0	0	73.3	73.3	1	4205	3.25	125	83.48	0	4.42	0	0	1.73	0	0	0	0	0	0	-16.32	-16.32
Inverter Transformer	S_21_2_T	364722	4906166	2	0	0	68.3	68.3	1	4205	3.25	250	83.48	0	3.41	0	0	4.39	0	0	0	0	0	0	-22.98	-22.98
Inverter Transformer	S_21_2_T	364722	4906166	2	0	0	68.3	68.3	1	4205	3.25	500	83.48	0	-0.2	0	0	8.11	0	0	0	0	0	0	-23.08	-23.08
Inverter Transformer	S_21_2_T	364722	4906166	2	0	0	62.3	62.3	1	4205	3.25	1000	83.48	0	-1.66	0	0	15.38	0	0	0	0	0	0	-34.89	-34.89
Inverter Transformer	S_21_2_T	364722	4906166	2	0	0	57.3	57.3	1	4205	3.25	2000	83.48	0	-1.76	0	0	40.64	0	0	0	0	0	0	-65.05	-65.05
Inverter Transformer	S_21_2_T	364722	4906166	2	0	0	52.3	52.3	1	4205	3.25	4000	83.48	0	-1.76	0	0	137.8	0	0	0	0	0	0	-167.2	-167.2
Inverter Transformer	S_21_2_T	364722	4906166	2	0	0	45.3	45.3	1	4205	3.25	8000	83.48	0	-1.76	0	0	491.5	0	0	0	0	0	0	-527.9	-527.9
Inverter Transformer	S_21_3_T	364764	4906066	2	0	0	65.3	65.3	1	4217	3.25	32	83.5	0	-5.86	0	0	0.14	0	0	0	0	0	0	-12.47	-12.47
Inverter Transformer	S_21_3_T	364764	4906066	2	0	0	71.3	71.3	1	4217	3.25	63	83.5	0	-5.86	0	0	0.51	0	0	0	0	0	0	-6.85	-6.85
Inverter Transformer	S_21_3_T	364764	4906066	2	0	0	73.3	73.3	1	4217	3.25	125	83.5	0	4.42	0	0	1.73	0	0	0	0	0	0	-16.35	-16.35
Inverter Transformer	S_21_3_T	364764	4906066	2	0	0	68.3	68.3	1	4217	3.25	250	83.5	0	3.41	0	0	4.4	0	0	0	0	0	0	-23.01	-23.01
Inverter Transformer	S_21_3_T	364764	4906066	2	0	0	68.3	68.3	1	4217	3.25	500	83.5	0	-0.2	0	0	8.13	0	0	0	0	0	0	-23.13	-23.13
Inverter Transformer	S_21_3_T	364764	4906066	2	0	0	62.3	62.3	1	4217	3.25	1000	83.5	0	-1.66	0	0	15.42	0	0	0	0	0	0	-34.96	-34.96
Inverter Transformer	S_21_3_T	364764	4906066	2	0	0	57.3	57.3	1	4217	3.25	2000	83.5	0	-1.76	0	0	40.75	0	0	0	0	0	0	-65.2	-65.2
Inverter Transformer	S_21_3_T	364764	4906066	2	0	0	52.3	52.3	1	4217	3.25	4000	83.5	0	-1.76	0	0	138.2	0	0	0	0	0	0	-167.6	-167.6

Inverter Transformer	S_21_3_T	364764	4906066	2	0	0	45.3	45.3	1	4217	3.25	8000	83.5	0	-1.76	0	0	492.9	0	0	0	0	0	0	-529.3	-529.3
Inverter Transformer	S_21_4_T	364826	4905922	2	0	0	65.3	65.3	1	4238	3.25	32	83.54	0	-5.86	0	0	0.14	0	0	0	0	0	0	-12.52	-12.52
Inverter Transformer	S_21_4_T	364826	4905922	2	0	0	71.3	71.3	1	4238	3.25	63	83.54	0	-5.86	0	0	0.52	0	0	0	0	0	0	-6.9	-6.9
Inverter Transformer	S_21_4_T	364826	4905922	2	0	0	73.3	73.3	1	4238	3.25	125	83.54	0	4.42	0	0	1.74	0	0	0	0	0	0	-16.41	-16.41
Inverter Transformer	S_21_4_T	364826	4905922	2	0	0	68.3	68.3	1	4238	3.25	250	83.54	0	3.41	0	0	4.42	0	0	0	0	0	0	-23.08	-23.08
Inverter Transformer	S_21_4_T	364826	4905922	2	0	0	68.3	68.3	1	4238	3.25	500	83.54	0	-0.2	0	0	8.17	0	0	0	0	0	0	-23.21	-23.21
Inverter Transformer	S_21_4_T	364826	4905922	2	0	0	62.3	62.3	1	4238	3.25	1000	83.54	0	-1.66	0	0	15.5	0	0	0	0	0	0	-35.08	-35.08
Inverter Transformer	S_21_4_T	364826	4905922	2	0	0	57.3	57.3	1	4238	3.25	2000	83.54	0	-1.76	0	0	40.96	0	0	0	0	0	0	-65.44	-65.44
Inverter Transformer	S_21_4_T	364826	4905922	2	0	0	52.3	52.3	1	4238	3.25	4000	83.54	0	-1.76	0	0	138.9	0	0	0	0	0	0	-168.4	-168.4
Inverter Transformer	S_21_4_T	364826	4905922	2	0	0	45.3	45.3	1	4238	3.25	8000	83.54	0	-1.76	0	0	495.4	0	0	0	0	0	0	-531.9	-531.9
Inverter Transformer	S_23_5_T	364730	4905244	2	0	0	66.2	66.2	1	4709	3.25	32	84.46	0	-5.88	0	0	0.15	0	0	0	0	0	0	-12.53	-12.53
Inverter Transformer	S_23_5_T	364730	4905244	2	0	0	72.2	72.2	1	4709	3.25	63	84.46	0	-5.88	0	0	0.57	0	0	0	0	0	0	-6.96	-6.96
Inverter Transformer	S_23_5_T	364730	4905244	2	0	0	74.2	74.2	1	4709	3.25	125	84.46	0	4.42	0	0	1.94	0	0	0	0	0	0	-16.61	-16.61
Inverter Transformer	S_23_5_T	364730	4905244	2	0	0	69.2	69.2	1	4709	3.25	250	84.46	0	3.41	0	0	4.91	0	0	0	0	0	0	-23.58	-23.58
Inverter Transformer	S_23_5_T	364730	4905244	2	0	0	69.2	69.2	1	4709	3.25	500	84.46	0	-0.21	0	0	9.08	0	0	0	0	0	0	-24.13	-24.13
Inverter Transformer	S_23_5_T	364730	4905244	2	0	0	63.2	63.2	1	4709	3.25	1000	84.46	0	-1.67	0	0	17.22	0	0	0	0	0	0	-36.81	-36.81
Inverter Transformer	S_23_5_T	364730	4905244	2	0	0	58.2	58.2	1	4709	3.25	2000	84.46	0	-1.76	0	0	45.51	0	0	0	0	0	0	-70	-70
Inverter Transformer	S_23_5_T	364730	4905244	2	0	0	53.2	53.2	1	4709	3.25	4000	84.46	0	-1.76	0	0	154.3	0	0	0	0	0	0	-183.8	-183.8
Inverter Transformer	S_23_5_T	364730	4905244	2	0	0	46.2	46.2	1	4709	3.25	8000	84.46	0	-1.76	0	0	550.4	0	0	0	0	0	0	-586.9	-586.9
Inverter Transformer	S_21_6_T	365003	4905559	2	0	0	65.3	65.3	1	4300	3.25	32	83.67	0	-5.86	0	0	0.14	0	0	0	0	0	0	-12.64	-12.64
Inverter Transformer	S_21_6_T	365003	4905559	2	0	0	71.3	71.3	1	4300	3.25	63	83.67	0	-5.86	0	0	0.52	0	0	0	0	0	0	-7.03	-7.03
Inverter Transformer	S_21_6_T	365003	4905559	2	0	0	73.3	73.3	1	4300	3.25	125	83.67	0	4.42	0	0	1.77	0	0	0	0	0	0	-16.56	-16.56
Inverter Transformer	S_21_6_T	365003	4905559	2	0	0	68.3	68.3	1	4300	3.25	250	83.67	0	3.41	0	0	4.49	0	0	0	0	0	0	-23.27	-23.27
Inverter Transformer	S_21_6_T	365003	4905559	2	0	0	68.3	68.3	1	4300	3.25	500	83.67	0	-0.2	0	0	8.29	0	0	0	0	0	0	-23.46	-23.46
Inverter Transformer	S_21_6_T	365003	4905559	2	0	0	62.3	62.3	1	4300	3.25	1000	83.67	0	-1.66	0	0	15.73	0	0	0	0	0	0	-35.43	-35.43
Inverter Transformer	S_21_6_T	365003	4905559	2	0	0	57.3	57.3	1	4300	3.25	2000	83.67	0	-1.76	0	0	41.55	0	0	0	0	0	0	-66.16	-66.16
Inverter Transformer	S_21_6_T	365003	4905559	2	0	0	52.3	52.3	1	4300	3.25	4000	83.67	0	-1.76	0	0	140.9	0	0	0	0	0	0	-170.5	-170.5
Inverter Transformer	S_21_6_T	365003	4905559	2	0	0	45.3	45.3	1	4300	3.25	8000	83.67	0	-1.76	0	0	502.6	0	0	0	0	0	0	-539.2	-539.2
Inverter Transformer	S_22_1_T	364673	4905894	2	0	0	65.3	65.3	1	4383	3.25	32	83.84	0	-5.87	0	0	0.14	0	0	0	0	0	0	-12.81	-12.81
Inverter Transformer	S_22_1_T	364673	4905894	2	0	0	71.3	71.3	1	4383	3.25	63	83.84	0	-5.87	0	0	0.53	0	0	0	0	0	0	-7.2	-7.2
Inverter Transformer	S_22_1_T	364673	4905894	2	0	0	73.3	73.3	1	4383	3.25	125	83.84	0	4.42	0	0	1.8	0	0	0	0	0	0	-16.76	-16.76
Inverter Transformer	S_22_1_T	364673	4905894	2	0	0	68.3	68.3	1	4383	3.25	250	83.84	0	3.41	0	0	4.57	0	0	0	0	0	0	-23.52	-23.52
Inverter Transformer	S_22_1_T	364673	4905894	2	0	0	68.3	68.3	1	4383	3.25	500	83.84	0	-0.2	0	0	8.45	0	0	0	0	0	0	-23.78	-23.78
Inverter Transformer	S_22_1_T	364673	4905894	2	0	0	62.3	62.3	1	4383	3.25	1000	83.84	0	-1.66	0	0	16.03	0	0	0	0	0	0	-35.9	-35.9
Inverter Transformer	S_22_1_T	364673	4905894	2	0	0	57.3	57.3	1	4383	3.25	2000	83.84	0	-1.76	0	0	42.36	0	0	0	0	0	0	-67.13	-67.13
Inverter Transformer	S_22_1_T	364673	4905894	2	0	0	52.3	52.3	1	4383	3.25	4000	83.84	0	-1.76	0	0	143.6	0	0	0	0	0	0	-173.4	-173.4
Inverter Transformer	S_22_1_T	364673	4905894	2	0	0	45.3	45.3	1	4383	3.25	8000	83.84	0	-1.76	0	0	512.3	0	0	0	0	0	0	-549.1	-549.1
Inverter Transformer	S_21_7_T	365040	4905378	2	0	0	65.3	65.3	1	4384	3.25	32	83.84	0	-5.87	0	0	0.14	0	0	0	0	0	0	-12.81	-12.81
Inverter Transformer	S_21_7_T	365040	4905378	2	0	0	71.3	71.3	1	4384	3.25	63	83.84	0	-5.87	0	0	0.53	0	0	0	0	0	0	-7.2	-7.2
Inverter Transformer	S_21_7_T	365040	4905378	2	0	0	73.3	73.3	1	4384	3.25	125	83.84	0	4.42	0	0	1.8	0	0	0	0	0	0	-16.76	-16.76
Inverter Transformer	S_21_7_T	365040	4905378	2	0	0	68.3	68.3	1	4384	3.25	250	83.84	0	3.41	0	0	4.57	0	0	0	0	0	0	-23.52	-23.52
Inverter Transformer	S_21_7_T	365040	4905378	2	0	0	68.3	68.3	1	4384	3.25	500	83.84	0	-0.2	0	0	8.45	0	0	0	0	0	0	-23.79	-23.79
Inverter Transformer	S_21_7_T	365040	4905378	2	0	0	62.3	62.3	1	4384	3.25	1000	83.84	0	-1.66	0	0	16.03	0	0	0	0	0	0	-35.91	-35.91
Inverter Transformer	S_21_7_T	365040	4905378	2	0	0	57.3	57.3	1	4384	3.25	2000	83.84	0	-1.76	0	0	42.36	0	0	0	0	0	0	-67.14	-67.14
Inverter Transformer	S_21_7_T	365040	4905378	2	0	0	52.3	52.3	1	4384	3.25	4000	83.84	0	-1.76	0	0	143.7	0	0	0	0	0	0	-173.4	-173.4
Inverter Transformer	S_21_7_T	365040	4905378	2	0	0	45.3	45.3	1	4384	3.25	8000	83.84	0	-1.76	0	0	512.4	0	0	0	0	0	0	-549.1	-549.1
Inverter Transformer	S_24_1_T	365318	4904994	2	0	0	65.3	65.3	1	4440	3.25	32	83.95	0	-5.87	0	0	0.14	0	0	0	0	0	0	-12.92	-12.92
Inverter Transformer	S_24_1_T	365318	4904994	2	0	0	71.3	71.3	1	4440	3.25	63	83.95	0	-5.87	0	0	0.54	0	0	0	0	0	0	-7.32	-7.32
Inverter Transformer	S_24_1_T	365318	4904994	2	0	0	73.3	73.3	1	4440	3.25	125	83.95	0	4.42	0	0	1.82	0	0	0	0	0	0	-16.89	-16.89
Inverter Transformer	S_24_1_T	365318	4904994	2	0	0	68.3	68.3	1	4440	3.25	250	83.95	0	3.41	0	0	4.63	0	0	0	0	0	0	-23.69	-23.69
Inverter Transformer	S_24_1_T	365318	4904994	2	0	0	68.3	68.3	1	4440	3.25	500	83.95	0	-0.2	0	0	8.56	0	0	0	0	0	0	-24	-24
Inverter Transformer	S_24_1_T	365318	4904994	2	0	0	62.3	62.3	1	4440	3.25	1000	83.95	0	-1.66	0	0	16.24	0	0	0	0	0	0	-36.22	-36.22
Inverter Transformer	S_24_1_T	365318	4904994	2	0	0	57.3	57.3	1	4440	3.25	2000	83.95	0	-1.76	0	0	42.9	0	0	0	0	0	0	-67.79	-67.79
Inverter Transformer	S_24_1_T	365318	4904994	2	0	0	52.3	52.3	1	4440	3.25	4000	83.95	0	-1.76	0	0	145.5	0	0	0	0	0	0	-175.4	-175.4
Inverter Transformer	S_24_1_T	365318	4904994	2	0	0	45.3	45.3	1	4440	3.25	8000	83.95	0	-1.76	0	0	518.9	0	0	0	0	0	0	-555.8	-555.8

Inverter Transformer	S_23_1_T	364443	4906039	2	0	0	65.3	65.3	1	4511	3.25	32	84.08	0	-5.87	0	0	0.14	0	0	0	0	0	0	-13.06	-13.06
Inverter Transformer	S_23_1_T	364443	4906039	2	0	0	71.3	71.3	1	4511	3.25	63	84.08	0	-5.87	0	0	0.55	0	0	0	0	0	0	-7.46	-7.46
Inverter Transformer	S_23_1_T	364443	4906039	2	0	0	73.3	73.3	1	4511	3.25	125	84.08	0	4.42	0	0	1.85	0	0	0	0	0	0	-17.06	-17.06
Inverter Transformer	S_23_1_T	364443	4906039	2	0	0	68.3	68.3	1	4511	3.25	250	84.08	0	3.41	0	0	4.71	0	0	0	0	0	0	-23.9	-23.9
Inverter Transformer	S_23_1_T	364443	4906039	2	0	0	68.3	68.3	1	4511	3.25	500	84.08	0	-0.2	0	0	8.7	0	0	0	0	0	0	-24.28	-24.28
Inverter Transformer	S_23_1_T	364443	4906039	2	0	0	62.3	62.3	1	4511	3.25	1000	84.08	0	-1.67	0	0	16.5	0	0	0	0	0	0	-36.62	-36.62
Inverter Transformer	S_23_1_T	364443	4906039	2	0	0	57.3	57.3	1	4511	3.25	2000	84.08	0	-1.76	0	0	43.59	0	0	0	0	0	0	-68.62	-68.62
Inverter Transformer	S_23_1_T	364443	4906039	2	0	0	52.3	52.3	1	4511	3.25	4000	84.08	0	-1.76	0	0	147.8	0	0	0	0	0	0	-177.8	-177.8
Inverter Transformer	S_23_1_T	364443	4906039	2	0	0	45.3	45.3	1	4511	3.25	8000	84.08	0	-1.76	0	0	527.2	0	0	0	0	0	0	-564.3	-564.3
Inverter Transformer	S_24_2_T	365163	4905045	2	0	0	65.3	65.3	1	4514	3.25	32	84.09	0	-5.87	0	0	0.14	0	0	0	0	0	0	-13.06	-13.06
Inverter Transformer	S_24_2_T	365163	4905045	2	0	0	71.3	71.3	1	4514	3.25	63	84.09	0	-5.87	0	0	0.55	0	0	0	0	0	0	-7.47	-7.47
Inverter Transformer	S_24_2_T	365163	4905045	2	0	0	73.3	73.3	1	4514	3.25	125	84.09	0	4.42	0	0	1.85	0	0	0	0	0	0	-17.06	-17.06
Inverter Transformer	S_24_2_T	365163	4905045	2	0	0	68.3	68.3	1	4514	3.25	250	84.09	0	3.41	0	0	4.71	0	0	0	0	0	0	-23.91	-23.91
Inverter Transformer	S_24_2_T	365163	4905045	2	0	0	68.3	68.3	1	4514	3.25	500	84.09	0	-0.2	0	0	8.7	0	0	0	0	0	0	-24.29	-24.29
Inverter Transformer	S_24_2_T	365163	4905045	2	0	0	62.3	62.3	1	4514	3.25	1000	84.09	0	-1.67	0	0	16.51	0	0	0	0	0	0	-36.63	-36.63
Inverter Transformer	S_24_2_T	365163	4905045	2	0	0	57.3	57.3	1	4514	3.25	2000	84.09	0	-1.76	0	0	43.62	0	0	0	0	0	0	-68.65	-68.65
Inverter Transformer	S_24_2_T	365163	4905045	2	0	0	52.3	52.3	1	4514	3.25	4000	84.09	0	-1.76	0	0	147.9	0	0	0	0	0	0	-177.9	-177.9
Inverter Transformer	S_24_2_T	365163	4905045	2	0	0	45.3	45.3	1	4514	3.25	8000	84.09	0	-1.76	0	0	527.6	0	0	0	0	0	0	-564.6	-564.6
Inverter Transformer	S_23_2_T	364476	4905840	2	0	0	65.3	65.3	1	4580	3.25	32	84.22	0	-5.87	0	0	0.15	0	0	0	0	0	0	-13.19	-13.19
Inverter Transformer	S_23_2_T	364476	4905840	2	0	0	71.3	71.3	1	4580	3.25	63	84.22	0	-5.87	0	0	0.56	0	0	0	0	0	0	-7.6	-7.6
Inverter Transformer	S_23_2_T	364476	4905840	2	0	0	73.3	73.3	1	4580	3.25	125	84.22	0	4.42	0	0	1.88	0	0	0	0	0	0	-17.22	-17.22
Inverter Transformer	S_23_2_T	364476	4905840	2	0	0	68.3	68.3	1	4580	3.25	250	84.22	0	3.41	0	0	4.78	0	0	0	0	0	0	-24.11	-24.11
Inverter Transformer	S_23_2_T	364476	4905840	2	0	0	68.3	68.3	1	4580	3.25	500	84.22	0	-0.2	0	0	8.83	0	0	0	0	0	0	-24.54	-24.54
Inverter Transformer	S_23_2_T	364476	4905840	2	0	0	62.3	62.3	1	4580	3.25	1000	84.22	0	-1.67	0	0	16.75	0	0	0	0	0	0	-37	-37
Inverter Transformer	S_23_2_T	364476	4905840	2	0	0	57.3	57.3	1	4580	3.25	2000	84.22	0	-1.76	0	0	44.26	0	0	0	0	0	0	-69.41	-69.41
Inverter Transformer	S_23_2_T	364476	4905840	2	0	0	52.3	52.3	1	4580	3.25	4000	84.22	0	-1.76	0	0	150.1	0	0	0	0	0	0	-180.2	-180.2
Inverter Transformer	S_23_2_T	364476	4905840	2	0	0	45.3	45.3	1	4580	3.25	8000	84.22	0	-1.76	0	0	535.3	0	0	0	0	0	0	-572.5	-572.5
Inverter Transformer	S_23_3_T	364561	4905641	2	0	0	65.3	65.3	1	4613	3.25	32	84.28	0	-5.87	0	0	0.15	0	0	0	0	0	0	-13.25	-13.25
Inverter Transformer	S_23_3_T	364561	4905641	2	0	0	71.3	71.3	1	4613	3.25	63	84.28	0	-5.87	0	0	0.56	0	0	0	0	0	0	-7.67	-7.67
Inverter Transformer	S_23_3_T	364561	4905641	2	0	0	73.3	73.3	1	4613	3.25	125	84.28	0	4.42	0	0	1.9	0	0	0	0	0	0	-17.29	-17.29
Inverter Transformer	S_23_3_T	364561	4905641	2	0	0	68.3	68.3	1	4613	3.25	250	84.28	0	3.41	0	0	4.81	0	0	0	0	0	0	-24.2	-24.2
Inverter Transformer	S_23_3_T	364561	4905641	2	0	0	68.3	68.3	1	4613	3.25	500	84.28	0	-0.2	0	0	8.89	0	0	0	0	0	0	-24.67	-24.67
Inverter Transformer	S_23_3_T	364561	4905641	2	0	0	62.3	62.3	1	4613	3.25	1000	84.28	0	-1.67	0	0	16.87	0	0	0	0	0	0	-37.19	-37.19
Inverter Transformer	S_23_3_T	364561	4905641	2	0	0	57.3	57.3	1	4613	3.25	2000	84.28	0	-1.76	0	0	44.58	0	0	0	0	0	0	-69.8	-69.8
Inverter Transformer	S_23_3_T	364561	4905641	2	0	0	52.3	52.3	1	4613	3.25	4000	84.28	0	-1.76	0	0	151.2	0	0	0	0	0	0	-181.4	-181.4
Inverter Transformer	S_23_3_T	364561	4905641	2	0	0	45.3	45.3	1	4613	3.25	8000	84.28	0	-1.76	0	0	539.2	0	0	0	0	0	0	-576.4	-576.4
Inverter Transformer	S_23_4_T	364657	4905414	2	0	0	65.3	65.3	1	4664	3.25	32	84.37	0	-5.87	0	0	0.15	0	0	0	0	0	0	-13.35	-13.35
Inverter Transformer	S_23_4_T	364657	4905414	2	0	0	71.3	71.3	1	4664	3.25	63	84.37	0	-5.87	0	0	0.57	0	0	0	0	0	0	-7.77	-7.77
Inverter Transformer	S_23_4_T	364657	4905414	2	0	0	73.3	73.3	1	4664	3.25	125	84.37	0	4.42	0	0	1.92	0	0	0	0	0	0	-17.41	-17.41
Inverter Transformer	S_23_4_T	364657	4905414	2	0	0	68.3	68.3	1	4664	3.25	250	84.37	0	3.41	0	0	4.87	0	0	0	0	0	0	-24.35	-24.35
Inverter Transformer	S_23_4_T	364657	4905414	2	0	0	68.3	68.3	1	4664	3.25	500	84.37	0	-0.21	0	0	8.99	0	0	0	0	0	0	-24.86	-24.86
Inverter Transformer	S_23_4_T	364657	4905414	2	0	0	62.3	62.3	1	4664	3.25	1000	84.37	0	-1.67	0	0	17.06	0	0	0	0	0	0	-37.47	-37.47
Inverter Transformer	S_23_4_T	364657	4905414	2	0	0	57.3	57.3	1	4664	3.25	2000	84.37	0	-1.76	0	0	45.07	0	0	0	0	0	0	-70.38	-70.38
Inverter Transformer	S_23_4_T	364657	4905414	2	0	0	52.3	52.3	1	4664	3.25	4000	84.37	0	-1.76	0	0	152.8	0	0	0	0	0	0	-183.1	-183.1
Inverter Transformer	S_23_4_T	364657	4905414	2	0	0	45.3	45.3	1	4664	3.25	8000	84.37	0	-1.76	0	0	545.1	0	0	0	0	0	0	-582.4	-582.4
nit. Value D/N:	40	40																							
Level D/N:	38.483	38.483																							