LOCATION	
Asarese Matters	43128- 27440
Bud Bakeweli	43128- 26913
Delevan Grider	43128- 27445
Friends to the Elderly	43128- 27361
George Arthur	43128- 26494
Gloria J. Parks	43128- 27360
J. B. Wiley Sports Complex	43128- 26911
North Buffalo Ice Rink	43128- 26912
Old First Ward	43128- 23092
Peter Machnica	43128- 27448
Schiller Park Senior	43128- 25029
Valley Community Association	43128- 23775
West Side Community Services	43128- 27362





Welcome peter@davidhomes.com! | Logout

Applications

My Settings

Incentive Application 4328-27440

Application Date: 3/26/2012

Application Participants

Host Customer

arc02@ch.ci.buffalo.ny.us

City of Buffalo (Dan Connors)

Asareese Matters / 40 Rees St / Buffalo, NY 14213 (Mailing, Physical)

Sector: Government

Payee

Tax Status: Corporation

Tax ID:

Add Application Participant

Utility Company & Power Usage

National Grid

Annual Usage: 166800 kWh

Installers, Inspectors, and Related Companies

Installer

David Homes (Peter Appler, peter@davidhomes.com, 716-208-5331 H)

25 Hazelwood / Amherst, NY 14228

Selected Incentive

\$1.50 per Watt to 50kW (Unspecified)

System Equipment & Other Components: 10.080 kW DC-STC / 8.572 kW AC-PTC / 7.715 kW AC / 8.295 kW CSI-AC

42 Inverter - Enphase Energy 0.2 kW (Model M215-60-2LL-S2x)		\$12,264.00
42 PV Module - Motech Americas 240W (Model MTPVp-240-MSB)		\$28,056.00
1 System Costs - Installation Costs Balance of System		\$44,680.00
	Total Cost:	\$85,000.00

Incentive Amount: \$15,120.00

Application Paperwork & Tasks

Site Plan	04/05/2012	
Incentive Application Form (Attachment B or B-1)	04/05/2012	
Pnotos of System Site	04/05/2012	
Three-line Electrical Drawing	04/05/2012	
Shading Analysis Results	04/05/2012	
Utility bill which includes RPS payment and annual usage	04/05/2012	
Building Permit	11/16/2012	
Estimate of Annual Output	04/05/2012	
Customer Purchase Agreement, PPA, or Lease Agreement	04/05/2012	
Addendum (Attachment E or E-1)	04/05/2012	
Design Review	05/09/2012	
Action: Review Completed		05/09/2012
Clipboard Audit or Letter regarding Energy Star benchmarking tool	04/05/2012	
System Modification	11/24/2012	
Action: Modification Approved		12/03/2012
Equipment Delivery	11/02/2012	

December 4, 2012

Attention:

CITY OF BUFFALO

REES ST

BUFFALO, NY 14213

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO:

The application for your photovoltaic project at 0 REES ST BUFFALO NY 14213 was formally accepted on December 4, 2012. The Form K you submitted has been executed and a copy is attached for your file. A copy will also be sent to David Homes.

Please have your contractor forward a signed and dated Certification Letter (stating that the system has been tested in accordance with the requirements of the previously submitted inverter manufacturer's verification test procedure, with acceptable results) to our attention at the address shown below. Following review of this document and a site inspection (if deemed to be necessary), an order will be issued to initiate a meter change. A final interconnection authorization letter will follow the meter change order.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Distributed Generation Services Electric Load & DG

Enclosures

Xc:

David Homes

Department of Permit & Inspection Services Brisa Rielly, Conunissioner

Byron W. Brown, Mayor

ELECTRICAL INSPECTIONS

	RE: Sec. 9.1 Priveres
Trong Electrical Inspections Department	
REPORT OF ELECTRICAL INSPECTIONS	40 REESE ST.
OWNERS NAME & ADDERSS	PARES & RECREATION
	511 CITY HACE
	Builtale Ky
CONTRACTOR	GREET BLOCKEL
PERMIT NUMBER	184343
DATE OF INSPECTION	1/11/13
DISPOSITION	0.000

The electrical installation at the above noted address was found to be in compliance with the Ordinances of the City of Buffalo including the National Electrical Code. (copy of permit attached)

Very Truly Yours,

Permits and Inspection Services Electrical Inspection Department

MICHAEL RSULLIGAN

Chief Electrical Inspector

January 22, 2013

CITY OF BUFFALO Attention:

BUFFALO, NY 14213

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO:

The application for your photovoltaic project at 0 REES ST BUFFALO NY 14213 was formally accepted on January 22, 2013. Once your net meter has been installed, you are authorized to close your AC disconnect switch and produce power. In accordance with the NYS SIR, National Grid reserves the right to an on-site witness testing to be scheduled with the contractor and customer.

The Form K you submitted has been executed and a copy is attached for your file. copy will also be sent to David Homes.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators. An order for your existing meter to be replaced with a net meter was issued on January 22, 2013. The meter replacement should be completed within ten business days.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Electric Load & DG National Grid

Distributed Generation Services

1125 Broadway Albany, NY 12204

File No.: CLA 25.1-13.5094 David Homes Enclosures Xc: David



BYRON W. BROWN MAYOR

CITY OF BUFFALO

PUBLIC WORKS, PARKS & STREETS Office of Planning & Design DEPARTMENT OF



October 9, 2011

Mr. Jason D. Mangione NYSERDA

17 Columbia Circle Albany, NY. 12203 To Whom It May Concern:

The City of Buffalo does not require building permits for the installation of photovoltaic systems on existing building roofs. The City's only requirement for photovoltaic system installation is an electrical permit and electrical inspection dier the system is complete. All of the following buildings will e submitted for incentives and do not require building permits.

296 Best St. 156 Tacoma St. 118 East Utica 3242 Main St. Friends of the Elderly Community Center Gloria Parks Community Center J. B. Wilcy Stadium Lafayette Ice Rink

Asarcse Matters Community Center West Side Community Center Machnica Community Center Bud Bakewell Ice Rink

Thank you.

2687 Niagara St. 40 Reese St.

161 Vermont St.

1799 Clinton St.

Daniel D. Connors

Project Manager

and the policy of the policy o	Contractor Name Discuss PV PROGRAM INCENTIVE REQUEST FORM Rev. 8 Contractor Name Discuss Howes Installer Name Ref. Pppler NYSERDA Project No. 4328 17440 Customer Name C. 4 C. 17213 Total Approved Incentive Amount \$ LS 12 C. If insurance will expire soon, attach current Certificate of Insurance. Check one (if submitting for 100%, include ALL items under highlighted headings) 1, 100% 15% 128% NYSERDA POH (circk on link in PC 'show contract details' to find POH) 2, 8971 Amount Requested \$ 3780 2897 2. ITEMS TO BE INCLUDED WITH 75% REQUEST Building permit or any and all permits as required by AHJ if not previously submitted; NYC projects need DOB work permit 8-elgebrical permit Date of delivery 11/1/2/3.	Ourantity Manufacturer Model Initials	Inverter(s) 42 Enphase Engy M215-60-266 MS13 Modules 42 Motech M+PV-240-MS13 M	ITEMS TO BE INCLUDED WITH 25% REQUES! Lef. Sign-offiniter-connection latter from utility company or Acceptable Documentation as outlined in 2.7 of Pon 2112, Attachment H Sign-offiniter connection bate	LLA Customer has received a copy of the Operation and Maintenance Manual. Ed Eligible Installer/Affiliated Entity has inspected the system to verify it meets all codes and NYSERDA's Program requirements. Ed Eligible Installer/Affiliated Entity has given instruction on the operation of the system to the customer.	Sean Appler		pansion
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Department of Permit & Inspection Services

Byron W. Brown, Mayor

Brian Rielly, Commissioner

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RE: SVV CES	nt	TIONS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12. 15. 15. 15.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13.00	5/12/		The state of the s
DATE : <u>i/д/. 3</u>	From: Electrical Inspections Department	REPORT OF ELECTRICAL INSPECTIONS	OWNERS NAME & ADDERSS		CONTRACTOR	PERMIT NUMBER	DATE OF INSPECTION	DISPOSITION	

The electrical installation at the above noted address was found to be in compliance with the Ordinances of the City of Buffalo including the National Electrical Code. (copy of permit attached)

Very Truly Yours,

Permits and Inspection Services Electrical Inspection Department

Electrical Inspector

Chief Electrical Inspector





Welcome peter@davidhomes.com! | Logout

Applications

My Settings

Incentive Application 4328-26913

Application Date: 2/16/2012

Application Participants

Host Customer

arc07@ch.ci.buffalo.nv.us

City of Buffalo - 2687 Niagara St (Dan Connors) 2687 Niagara St / Buffalo, NY 14207 (Physical) 65 Niagara St / Buffalo, NY 14202 (Mailing)

Sector: NonProfit

Payee

Tax Status: Corporation

Tax ID:

Add Application Participant

Utility Company & Power Usage

National Grid

Annual Usage: 574720 kWh

Installers, Inspectors, and Related Companies

Installer

David Homes (Peter Appler, <u>peter@davidhomes.com</u>, 716-208-5331 H) 25 Hazelwood / Amherst, NY 14228

Selected Incentive

\$1.75 per Watt (25kW max) (Unspecified)

System Equipment & Other Components: 25.200 kW DC-STC / 21.632 kW AC-PTC / 19.469 kW AC / 21.632 kW CSI-AC

Total Cost: Incentive Amount:	\$240,000.00 \$43.750.00
1 System Costs - Installation Costs Labor Overhead	\$72,067.00
1 System Costs - Installation Costs Balance of System	\$74,168.00
105 PV Module - Motech Americas 240W (Model MTPVp-240-MSC)	\$61,740.00
105 Inverter - Enphase Energy 0.2 kW (Model M215-60-2LL-S2x)	\$32,025.00

Application Paperwork & Tasks

Site Plan 02/17/2012 Incentive Application Form (Attachment B of B-1) 02/17/2012 Photos of System Site 02/17/2012	
Photos of System Site 02/17/2012	
Three-line Electrical Drawing 02/17/2012	
Shading Analysis Results 02/17/2012	
Utility bill which includes RPS payment and annual usage 02/17/2012	
Building Permit 11/15/2012	
Estimate of Annual Output 02/17/2012	
Customer Purchase Agreement, PPA, or Lease Agreement 02/17/2012	
Addendum (Attachment E or E-1) 02/17/2012	
Design Review 04/03/2012	
Action: Review Completed 04/03/	2012
Clipboard Audit or Letter regarding Energy Star benchmarking tool 02/17/2012	
Equipment Delivery 11/01/2012	

Email this form to PVInvoices@nyserda.ny.gov

Attachment C



NOTE: Please refer to Attachment H, Section 2.7 for naming of incentive requests. All document must be scanned as a single pdf.

	PON	2112 SOLAR PV I	PROGRAM INCENTIV	/E REQUEST FORM	Rev. 8	
Contractor Name David Homes Installer Name Reter Appler NYSERDA Project No. 4328 - 26913 Customer Name C.ty of Boffalo						
NYSERDA Pro	ject No. <u>43</u>	28 - 26	913 Custome	rName City	of 13044	ato
Installation Add	Iress 26	87 Ning	jorn St	Buttalo	14207	
Total Approved	Incentive Amou	mt\$ 43,75	TO Vir	surance will expire so	on, attach current Certifi	cate of Insurance.
Check one (if s	ubmitting for 100	0%, include ALL item	ıs under highlighted hea	dings)100%	75% <u>X</u>	25%
NYSERDA PO	# (click on link in	PC "show contract of	details" to find PO#) 2	-8314 Am	ount Requested \$/C	, 937
ITEMS TO BE	INCLUDED V	VITH 75% REQUE nd all permits as requ	ST lired by AHJ if not previo	ously submitted; NYC pro	jects need DOB work per	wit & electrical permit
List equipment of	delivered:		Date of delivery	114/12	(owner's initials)	
	Quantity	Mai	nufacturer		Model	Owner's Initials
						m
Inverter(s)	10.5	Enphase	e Energy	M215-6	0- ZLL	1000
Modules	10.5	Motes	<u> </u>	M+PU -	240- MSC	. Octo
Sign-off/in	INCLUDED Water-connection I	ITH 25% REQUES letter from utility com	ST ipany or Acceptable Doc	cumentation as outlined i	n 2.7 of Pon 2112, Attachi	ment H
Electricat	inspection certif	icate; Installation D	ate #///3	Utility Interc	onnection Date .5/24	1/13
			• ,		best of my knowledge.	Rute
I.	2 Customer ha	s received a copy of	the Operation and Mair	itenance Manual.	•	(installer's initials)
<u> </u>	T Eligible Instal	ller/Affiliated Entity h	as inspected the system	to verify it meets all cod	les and NYSERDA's Prog	ram requirements.
	Eligible Instal	ller/Affiliated Entity h	as given instruction on t	he operation of the syste	m to the customer.	
Identify below all	crew members	who served in a prim	nary role during installati	on of the system.		
Seam	Appl-	er	***************************************	•		
John Greer						
If this is an Expa	nsion System,	indicate previous Co	ontract #	If a new meter has b	een installed, check	
here tu a	and provide th	e meter reading fro	m the initial system_			
All installation ar Customer Purcha	nd interconnectuse Agreement	tion responsibilitie	s have been complete be initialed by Installe	d by the Installer/Affilia r/Affiliated Entity "Con	ted Entity "Contractor" a tractor if this is a 25% o	as agreed to in the r 100% request).
Customer Signatu	re L		rad		Date 6/1	14/13
Contractor Signatu	10 A O O	Poole			Date 6/1	2/13
formulad by Inclo		d Cantadar cartifu ti	hat inclaller ic authorized	the Contractor to do so		1



Department of Permit & Inspection Services Byron W. Brown, Mayor Brian Rielly, Commissioner

ELECTRICAL	INSPECTIONS
------------	-------------

DATE: 5/22/13	VE: SOLAN PALGE
From: Electrical Inspections Department	
REPORT OF ELECTRICAL INSPECTIONS	
OWNERS NAME & ADDERSS	RIVERSIDE PARIC (ICE RIME
	2.505 NIAC414
	SIL CITY HALL, BUTTALD
CONTRACTOR	GREER
PERMIT NUMBER	190414
DATE OF INSPECTION	1/18/13
DISPOSITION	APPROVER
The electrical installation at the above noted at the Ordinances of the City of Buffalo including permit attached)	ddress was found to be in compliance with g the National Electrical Code. (copy of
	Very Truly Yours,
	Permits and Inspection Services Electrical Inspection Department
	MICHAEL R SULLIVAN Electrical Inspector
	Chief Electrical Inspector

May 24, 2013

Attention:

CITY OF BUFFALO PARKS & RECREATION

C/O UTILITY ACCOUNTS .COM

PO BOX 1322

BUFFALO, NY 14205

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO PARKS & RECREATION:

The application for your photovoltaic project at 2687 NIAGARA ST BUFFALO NY 14207 was formally accepted on May 24, 2013. Once your net meter has been installed, you are authorized to close your AC disconnect switch and produce power. In accordance with the NYS SIR, National Grid reserves the right to an on-site witness testing to be scheduled with the contractor and customer.

The Form K you submitted has been executed and a copy is attached for your file. A copy will also be sent to David Homes.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators.

An order for your existing meter to be replaced with a net meter was issued on May 24, 2013. The meter replacement should be completed within ten business days.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Distributed Generation Services Electric Load & DG

National Grid 1125 Broadway, Albany, NY 12204

Enclosures

Xc:

David Homes



BYRON W. BROWN
MAYOR

CITY OF BUFFALO

DEPARTMENT OF
PUBLIC WORKS, PARKS & STRBETS
Office of Planning & Design



STEVEN J. STEPNIAK COMMISSIONER

October 9, 2011

Mr. Jason D. Mangione NYSERDA 17 Columbia Circle Albany, NY 12203

To Whom It May Concern:

The City of Buffalo does not require building permits for the installation of photovoltaic systems on existing building roofs. The City's only requirement for photovoltaic system installation is an electrical permit and electrical inspection after the system is complete. All of the following buildings will e submitted for incentives and do not require building permits.

118 East Utica Friends of the Elderly Community Center 3242 Main St. Gloria Parks Community Center 296 Best St. J. B. Wiley Stadium 156 Tacoma St. Lafayette Ice Rink 1799 Clinton St. Machnica Community Center 161 Vermont St. West Side Community Center 40 Reese St. Asarese Matters Community Center 2687 Niagara St. **Bud Bakewell Icc Rink**

Thank you.

Sincerely,

Daniel D. Connors Project Manager

DDC:dlg

May 24, 2013

Attention:

CITY OF BUFFALO PARKS & RECREATION

C/O UTILITY ACCOUNTS .COM

PO BOX 1322

BUFFALO, NY 14205

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

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The Form K you submitted has been executed and a copy is attached for your file. A copy will also be sent to David Homes.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators.

An order for your existing meter to be replaced with a net meter was issued on May 24, 2013. The meter replacement should be completed within ten business days.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Distributed Generation Services Electric Load & DG

National Grid 1125 Broadway, Albany, NY 12204

Enclosures

Xc:

David Homes

Email this form to PVInvoices@nyserda.ny.gov

Attachment C



NOTE: Please refer to Attachment H, Section 2.7 for naming of incentive requests. All document must be scanned as a single pdf.

		112 SOLAR PV PROGRAM INCENT			
Contractor Nam	e Qui	D Homes	Installer Name_ Peter Appler		
NYSERDA Proje	ect No. 432	8 - 26912 Custo	ner Name City of Buffalo		
Installation Addr	ess 158	Tacoma Ave B	HELD MY 1420B		
		nts 43, 750.	insurance will expire soon, attach current Certificate of Insurance.		
Check one (if su	bmitting for 100	%, include ALL items under highlighted h	eadings)100%75%25%		
NYSERDA PO#	(click on link in	PC "show contract details" to find PO#)	28314 Amount Requested \$ 10,937		
ITEMS TO BE Building p	INCLUDED W		viously submitted; NYC projects need DOB work permit & electrical permit		
List equipment d	lelivered:	Date of delivery	2 /1-1/13 (owner's initials)		
	Quantity	Manufacturer	Model Owner's Imitials		
Invertor(s)		Enphase Enry	MZ15-40-ZLL (18)		
Modules	105	Motesh	M+PV-240-M (SQ)		
TEME TO DE	INCLUDED W	1TH 25% REQUEST letter from utility company or Acceptable	Documentation as outlined in 2.7 of Pon 2112, Attachment H		
Contriord	inconnection sortif	icate: Installation Date 1/26/	Utility Interconnection Date 5/24//3		
		, ,	s, are true and correct to the best of my knowledge. (installer's initials)		
		is received a copy of the Operation and I	(
			tem to verify it meets all codes and NYSERDA's Program requirements.		
			on the operation of the system to the customer.		
	-	who served in a primary role during insta			
Seam	Appl	£ <u> </u>			
John Greer					
If this is an Expansion System, indicate previous Contract # If a new meter has been installed, check					
here	and provide t	he meter reading from the initial syste	m <u>000</u>		
All installation and interconnection responsibilities have been completed by the Installer/Affiliated Entity "Contractor" as agreed to in the Customer Purchase Agreement (Must be initialed by Installer/Affiliated Entity "Contractor if this is a 25% or 100% request).					
Customer Signature Date 6/14/13					
Contractor Signal	ture De	on Contractor certify that Installer is author	rized by Contractor to do so.		

May 24, 2013

Attention:

CITY OF BUFFALO PARKS & RECREATION

C/O UTILITY ACCOUNTS.COM

PO BOX 1322

BUFFALO, NY 14205

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO PARKS & RECREATION:

The application for your photovoltaic project at 158 TACOMA AVE BUFFALO NY 14216 was formally accepted on May 24, 2013. Once your net meter has been installed, you are authorized to close your AC disconnect switch and produce power. In accordance with the NYS SIR, National Grid reserves the right to an on-site witness testing to be scheduled with the contractor and customer.

The Form K you submitted has been executed and a copy is attached for your file. A copy will also be sent to David Homes.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators.

An order for your existing meter to be replaced with a net meter was issued on May 24, 2013. The meter replacement should be completed within ten business days.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Distributed Generation Services Electric Load & DG

National Grid 1125 Broadway, Albany, NY 12204

Enclosures

Xc:

David Homes

December 4, 2012

Attention:

CITY OF BUFFALO PARKS & RECREATION

C/O UTILITY ACCOUNTS.COM

PO BOX 1322

BUFFALO, NY 14205

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO PARKS & RECREATION:

The application for your photovoltaic project at 158 TACOMA AVE BUFFALO NY 14216 was formally accepted on December 4, 2012. The Form K you submitted has been executed and a copy is attached for your file. A copy will also be sent to David Homes.

Please have your contractor forward a signed and dated Certification Letter (stating that the system has been tested in accordance with the requirements of the previously submitted inverter manufacturer's verification test procedure, with acceptable results) to our attention at the address shown below. Following review of this document and a site inspection (if deemed to be necessary), an order will be issued to initiate a meter change. A final interconnection authorization letter will follow the meter change order.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Distributed Generation Services Electric Load & DG

Enclosures

Xc:

David Homes

May 24, 2013

Attention:

CITY OF BUFFALO PARKS & RECREATION

C/O UTILITY ACCOUNTS.COM

PO BOX 1322

BUFFALO, NY 14205

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO PARKS & RECREATION:

The application for your photovoltaic project at 158 TACOMA AVE BUFFALO NY 14216 was formally accepted on May 24, 2013. Once your net meter has been installed, you are authorized to close your AC disconnect switch and produce power. In accordance with the NYS SIR, National Grid reserves the right to an on-site witness testing to be scheduled with the contractor and customer.

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An order for your existing meter to be replaced with a net meter was issued on May 24, 2013. The meter replacement should be completed within ten business days.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Distributed Generation Services Electric Load & DG

National Grid 1125 Broadway, Albany, NY 12204

Enclosures

Xc:

David Homes



Department of Permit & Inspection Services Byron W. Brown, Mayor Brian Rielly, Commissioner

ELECTRICAL	INSPECTIONS
	THOUSE THOUS

DATE: 5/22/13	RE: SOLAN PNL'S
From: Electrical Inspections Department	
REPORT OF ELECTRICAL INSPECTIONS	
OWNERS NAME & ADDERSS	(156) 124 TACOMA (ICE RINK)
	CITY HALL
CONTRACTOR	BUI-FALG, A.Y
PERMIT NUMBER	Green
	192395
DATE OF INSPECTION DISPOSITION	4/10/13
	APPROVED
The electrical installation at the above noted at the Ordinances of the City of Buffalo including permit attached)	idress was found to be in compliance with g the National Electrical Code. (copy of
	Very Truly Yours,
	Permits and Inspection Services Electrical Inspection Department
	MICHAEC R SULLIVAGE Electrical Inspector
	Chief Electrical Inspector





Welcome peter@davidhomes.com! | Logout

Applications

My Settings

Incentive Application 4328-27445

Application Date: 3/26/2012

Application Participants

Host Customer arc02@ch.ci.buffalo.ny.us

City of Buffalo - Delavan Moselle Community Center (Dan Connors)

Delavan Moselle Community Center / 877 E. Delavan St / Buffalo, NY 14215 (Physical)

City of Buffalo / 65 Niagara St / Buffalo, NY 14202 (Mailing)

Sector: Government

Payee

Tax Status: Corporation

Tax ID:

Add Application Participant

Utility Company & Power Usage

National Grid

Annual Usage: 208640 kWh

Installers, Inspectors, and Related Companies

Installer David Homes (Peter Appler, peter@davidhomes.com, 716-208-5331 H)

25 Hazelwood / Amherst, NY 14228

Selected Incentive

\$1.50 per Watt to 50kW (Unspecified)

System Equipment & Other Components: 9.120 kW DC-STC / 7.756 kW AC-PTC / 6.980 kW AC / 7.756 kW CSI-AC

38 Inverter - Enphase Energy 0.2 kW (Model M215-60-2LL-S2x)		\$11,388.00
38 PV Module - Motech Americas 240W (Model MTPVp-240-MSB)		\$26,052.00
1 System Costs - Installation Costs Balance of System		\$39,060.00
	Total Cost:	\$76,500.00

Incentive Amount: \$13,680.00

Application Paperwork & Tasks

Site Plan	04/04/2012
Incentive Application Form (Attachment B or B-1)	04/04/2012
Photos of System Site	04/04/2012
Three-line Electrical Drawing	04/04/2012
Shading Analysis Results	04/04/2012
Utility bill which includes RPS payment and annual usage	04/04/2012
Building Permit	12/04/2012
Estimate of Annual Output	04/04/2012
Customer Purchase Agreement, PPA, or Lease Agreement	04/04/2012
Addendum (Attachment E or E-1)	04/04/2012
Design Review	05/22/2012
Action: Review Completed	05/22/2012
Clipboard Audit or Letter regarding Energy Star benchmarking tool	04/04/2012
System Modification	11/24/2012
Action: Modification Approved	12/03/2012
Equipment Delivery	11/02/2012

Email this form to PVInvoices@nyserda.ny.gov

Attachment C



NOTE: Please refer to Attachment H, Section 2.7 for naming of incentive requests. All document must be scanned as a single pdf.

	PON	2112 SOLAR PV PROGRAM INCENTIV	E REQUEST FORM	Rev. 8	
Contractor Nan	ne Davi	D Homes	Installer Name Peter	Apple	
NYSERDA Proj	ject No. 43 2	28 - 27445 Customer	Name City of	Buttalo	
Installation Add	ress_ <u>& 7</u>	7 E. Delavan B.	offalo N.Y. 1	4202	
Total Approved	Incentive Amou	int \$ 13,680 If ins	surance will expire soon, attach	current Certificate	of Insurance.
Check one (if su	ubmitting for 100)%, include ALL items under highlighted head	ings)75	5%25%	
NYSERDA PO#	f (click on link in	PC "show contract details" to find PO#) 29	72 LC Amount Requ	-	
		VITH 75% REQUEST Id all permits as required by AHJ if not previou	usly submitted; NYC projects need		2.3 Puga electrical permit
List equipment of	delivered:	Date of delivery	10/12(ov	vner's initials)	He de la constant de
<u></u>	Quantity	Manufacturer	Model		Owner's Joitlais
Inverter(s)	38	Euphase Energy	M215-60-2	LL	A
Modules	38	Euphase Energy Mortech	MZ15-60-2 MTPV-240-	- MSB	(Ch)
Sign-off/in	INCLUDED Water-connection I	ITH 25% REQUEST letter from utility company or Acceptable Docu	umentation as outlined in 2.7 of Po	on 2112, Attachment	Н
Electrical	inspection certif	icate; Installation Date U/, /12	Utility Interconnection	Date 12/14/12	
		l // ded in this form, including all attachments, are		· //	
L.	Customer ha	s received a copy of the Operation and Mainte	enance Manual.	(instal	ler's initials)
	_	ller/Affiliated Entity has inspected the system		'SERDA's Program r	equirements.
	Eligible Instal	ller/Affiliated Entity has given instruction on th	e operation of the system to the co	ustomer.	
Identify below all	crew members	who served in a primary role during installation	n of the system.		
Sean	Appl	٥/		(Note dates, dies servers spieces » pproporate à intérnès y serve »	11-4-005 600-00
John	Gree	5			-
If this is an Expa	nsion System,	indicate previous Contract #	_ If a new meter has been install	led, check	
here	and provide th	e meter reading from the initial system	Ð		
All installation ar Customer Purcha	nd interconnec ase Agreement	tion responsibilities have been completed (Must be initialed by Installer	by the Installer/Affiliated Entity 'Affiliated Entity "Contractor if t	"Contractor" as ag his is a 25% or 1009	reed to in the % request).
Customer Signatu	re	Den		Date <u>6/13</u>	/13
Contractor Signatu	re the	A		•	
	mounting the	" normania entrak mar moranci io antiitistissä i	ay contractor to do 50.		

December 4, 2012

Attention:

CITY OF BUFFALO 881 E DELAVAN AVE BUFFALO, NY 14215

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO:

The application for your photovoltaic project at 881 E DELAVAN AVE BUFFALO NY 14215 was formally accepted on December 4, 2012. The Form K you submitted has been executed and a copy is attached for your file. A copy will also be sent to David Homes.

Please have your contractor forward a signed and dated Certification Letter (stating that the system has been tested in accordance with the requirements of the previously submitted inverter manufacturer's verification test procedure, with acceptable results) to our attention at the address shown below. Following review of this document and a site inspection (if deemed to be necessary), an order will be issued to initiate a meter change. A final interconnection authorization letter will follow the meter change order.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Distributed Generation Services Electric Load & DG

Enclosures

Xc:

David Homes



Department of Permit & Inspection Services

Byron W. Brown, Mayor

Brian Rielly, Commissioner

ELECTRICAL INSPECTIONS

DATE : 12/2/12	RE: 52242 /922/5
From: Electrical Inspections Department	
REPORT OF ELECTRICAL INSPECTION	ONS
OWNERS NAME & ADDERSS	- CHY CE C. 1920 (8776)
	408 6134 100c
	Becounty day
CONTRACTOR	Chest build
PERMIT NUMBER	184341
DATE OF INSPECTION	121/1/16
DISPOSITION	A222000
The electrical installation at the above not the Ordinances of the City of Buffalo incl permit attached)	ted address was found to be in compliance with luding the National Electrical Code. (copy of
	Very Truly Yours,
	Permits and Inspection Services Electrical Inspection Department
	Electrical Inspector
	Chief Electrical Inspector

December 19, 2012

Attention:

CITY OF BUFFALO 881 E DELAVAN AVE BUFFALO, NY 14215

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO:

The application for your photovoltaic project at 881 E DELAVAN AVE BUFFALO NY 14215 was formally accepted on December 19, 2012. Once your net meter has been installed, you are authorized to close your AC disconnect switch and produce power. In accordance with the NYS SIR, National Grid reserves the right to an on-site witness testing to be scheduled with the contractor and customer.

The Form K you submitted has been executed and a copy is attached for your file. A copy will also be sent to David Homes.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators.

An order for your existing meter to be replaced with a net meter was issued on December 19, 2012. The meter replacement should be completed within ten business days.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Distributed Generation Services Electric Load & DG

Enclosures

Xc: David Homes



BYRON W. BROWN MAYOR

CITY OF BUFFALO

DEPARTMENT OF PUBLIC WORKS, PARKS & STREETS Office of Planning & Design



STRVEN J. STEPNIAK COMMISSIONER

Mr. Jason D. Mangione NYSERDA 17 Columbia Circle Albany, NY . 12203

To Whom It May Concern:

The City of Buffalo does not require building permits for the installation of photovoltaic systems on existing building roofs. The City's only requirement for photovoltaic system installation is an electrical permit and electrical inspection after the system is complete. All of the following buildings will e submitted for incentives and do not require building permits.

118 East Utica Friends of the Elderly Community Center 3242 Main St. Gloria Parks Community Center 296 Best St. J. B. Wiley Stadium 156 Tacoma St. Lafayette Ice Rink 1799 Clinton St. Machnica Community Center 161 Vermont St. West Side Community Center 40 Reese St. Asarese Matters Community Center 2687 Niagara St. Bud Bakewell Icc Rink

Thank you.

Sincerely,

Daniel D. Connors Project Manager

DDC:dlg





Applications

My Settings

Welcome peter@davidhomes.com! | Logout

Incentive Application 4328-27361

Application Date: 3/14/2012

Application Participants

Host Customer

arc02@ch.cj.buffalo.ny.us

City of Buffalo - Friends of the Elderly (2) (Dan Connors)

Friends of the Elderly / 118 East Utica / Buffalo, NY 14209 (Mailing, Physical)

Add Application Participant

Utility Company & Power Usage

Central Hudson Gas & Electric

Annual Usage: 220000 kWh

Installers, Inspectors, and Related Companies

Installer

David Homes (Peter Appler, peter@davidhomes.com, 716-208-5331 H)

25 Hazelwood / Amherst, NY 14228

Selected Incentive

\$1.50 per Watt to 50kW (Unspecified)

System Equipment & Other Components: 5.170 kW DC-STC / 4.393 kW AC-PTC / 3.954 kW AC / 4.251 kW CSI-AC

22 Inverter - Enphase Energy 0.2 kW (Model M215-60-2LL-S2x) 22 PV Module - Motech Americas 235W (Model MTPVp-235-MSB)

\$6,402.00

\$14,701.50

1 System Costs - Installation Costs Balance of System

Total Cost:

03/27/2012

\$21,000.00 \$42,103.50

Incentive Amount:

\$7,755.00

Application Paperwork & Tasks

Utility bill which includes RPS payment and annual usage *	03/23/2012 03/27/2012 03/27/2012 03/23/2012 03/23/2012 03/27/2012
Customer Purchase Agreement, PPA, or Lease Agreement Addendum (Attachment E or E-1)	. 03/23/2012 03/23/2012
Design Review Action: Review Completed	03/23/2012 04/25/2012
Clipboard Audit or Letter regarding Energy Star benchmarking tool	03/27/2012

Payments

Total Payments:

\$0.00

04/25/2012

Attachment C



NOTE: Please refer to Attachment H, Section 2.7 for naming of incentive requests. All document must be scanned as a single pdf.

	PON 2	2112 SOLAR PV PROGRAM INCENTIVE	REQUEST FORM	Rev. 6	
Affiliated Entity	'Contractor" Nar	me David Homes	Installer Name	Peter A	ppler
		28 - 27361 Customer			
Installation Addr	ess 119	B E Utica B	offalo MY	14209	***************************************
Total Approved	Incentive Amou	nt \$ 7755 00 If ins	urance will expire soon, attac	ch current Certificate of	Insurance.
Check one (if su	bmitting for 100	%, include ALL items under highlighted head	ings) <u>×</u> 100%	75%25%	
NYSERDA PO#	(click on link in	PC "show contract details" to find PO#) 2	名628 Amount Re	equested $$775$	5
		H 75% REQUEST d all permits as required by AHJ if not previou		//	5/1)
List equipment of	lelivered:	Date of delivery 2	plific	(owner's initials)	
	Quantity	Manufacturer	Mode	el	Owner's Initials
Inverter(s)	22	Enphase Energy	M215+6.	0-2652	TO !
Modules	22	Enphase Energy Motech america	MTPV-2	-35 - M5B (ADD
	ACTORFO MUL	1 25% REQUEST letter from utility company or Acceptable Doc			
Electrical	inspection certif	icate; Installation Date 12/13/12	Utility Interconnecti	ion Date 10/11/12	
		ided in this form, including all attachments, a		f my knowledge.	va
		as received a copy of the Operation and Main		(install	er's initials)
Eligible Installer/Affiliated Entity has inspected the system to verify it meets all codes and NYSERDA's Program requirements.					
	•	iller/Affiliated Entity has given instruction on the	•	e customer.	
Identify below all crew members who served in a primary role during installation of the system.					
Bean Appler John Gree Tohn Gree					
Teter Appler					
here and provide the meter reading from the initial system OOD					
• • • • • • • • • • • • • • • • • • • •					
All installation and interconnection responsibilities have been completed by the Installer/Affiliated Entity "Contractor" as agreed to in the Customer Purchase Agreement. (Must be initialed by Installer/Affiliated Entity "Contractor if this is a 25% or 100% request).					
Customer Signature Date 3/15/13					
Installer/Affiliated Entity "Contractor" Signature					

October 11, 2012

Attention:

CITY OF BUFFALO 118 E UTICA ST BUFFALO, NY 14209

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO:

The application for your photovoltaic project at 118 E UTICA ST BUFFALO NY 14209 was formally accepted on October 11, 2012. Once your net meter has been installed, you are authorized to close your AC disconnect switch and produce power. In accordance with the NYS SIR, National Grid reserves the right to an on-site witness testing to be scheduled with the contractor and customer.

The Form K you submitted has been executed and a copy is attached for your file. A copy will also be sent to David Homes.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators.

An order for your existing meter to be replaced with a net meter was issued on October 11, 2012. The meter replacement should be completed within ten business days.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Distributed Generation Services Electric Load & DG

Enclosures

Xc:

David Homes



BYRON W. BROWN MAYOR

CITY OF BUFFALO

DEPARTMENT OF
PUBLIC WORKS, PARKS & STREETS
Office of Planning & Design



STEVEN J. STEPNIAK COMMISSIONER

October 9, 2011

Mr. Jason D. Mangione NYSERDA 17 Columbia Circle Albany, NY 12203

To Whom It May Concern:

The City of Buffalo does not require building permits for the installation of photovoltaic systems on existing building roofs. The City's only requirement for photovoltaic system installation is an electrical permit and electrical inspection after the system is complete. All of the following buildings will e submitted for incentives and do not require building permits.

118 East Utica Friends of the Elderly Community Center 3242 Main St. Gloria Parks Community Center 296 Best St. J. B. Wiley Stadium 156 Tacoma St. Lafayette Ice Rink 1799 Clinton St. Machnica Community Center 161 Vermont St. West Side Community Center 40 Reese St. **Asarese Matters Community Center** 2687 Niagara St. Bud Bakewell Ice Rink

Thank you.

Sincerely,

Daniel D. Connors
Project Manager

DDC:dlg

April 10, 2012

Attention:

CITY OF BUFFALO 2056 GENESEE ST BUFFALO, NY 14211

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO:

The application for your photovoltaic project at 2056 GENESEE ST BUFFALO NY 14211 was formally accepted on April 10, 2012. Once your net meter has been installed, you are authorized to close your AC disconnect switch and produce power. In accordance with the NYS SIR, National Grid reserves the right to an on-site witness testing to be scheduled with the contractor and customer.

The Form K you submitted has been executed and a copy is attached for your file. A copy will also be sent to David Homes.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators.

An order for your existing meter to be replaced with a net meter was issued on April 10, 2012. The meter replacement should be completed within ten business days.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Distributed Generation Services Electric Load & DG

40 Sylvan Road Waltham, MA 02451

Enclosures

Xc:

David Homes





Welcome peter@davidhomes.com! | Logout

Applications

My Settings

Incentive Application 4328-26494

Application Date: 12/27/2011

Application Participants

Host Customer

ARC02@ch.ci.buffalo.nv.us

City of Buffalo (Dan Connors)

2056 Genesee St / Buffalo, NY 14211 (Physical) 65 Niagara St / Buffalo, NY 14202 (Mailing)

Sector: Government

Payee

Tax Status: Corporation

Tax ID:

Add Application Participant

Utility Company & Power Usage

National Grid

Annual Usage: 102000 kWh

Installers, Inspectors, and Related Companies

Installer

David Homes (Peter Appler, peter@davidhomes.com, 716-208-5331 H)

25 Hazelwood / Amherst, NY 14228

Selected Incentive

\$1.75 per Watt to 50kW (Unspecified)

System Equipment & Other Components: 5.170 kW DC-STC / 4.332 kW AC-PTC / 3.899 kW AC / 0.000 kW CSI-AC

22 Inverter - Enphase Energy 0.2 kW (Model M215-60-2LL-S2x) 22 PV Module - Montech Solar 235W (Model MTS-235-M) 1 System Costs - Installation Costs Balance of System

\$6,405.08 \$14,700.00

\$21,000.00

\$42,105.08 **Total Cost:**

Incentive Amount:

\$9,048.00

Application Paperwork & Tasks

01/18/2012 Site Plan 01/18/2012 Incentive Application Form (Aff.:chment.B or B-1) 12/28/2011 Photos of System Site 01/18/2012 Three-line Electrical Drawing 01/18/2012 Shading Analysis Results 01/18/2012 Utility bill which includes RPS payment and annual usage 01/18/2012 Estimate of Annual Output 01/18/2012 Customer Purchase Agreement, PPA, or Lease Agreement 01/18/2012 Addendum (Attachment E or E-1) 04/15/2012 **Expected Installation** 04/16/2012 **Expected Interconnection** 03/12/2012 Design Review Action: Review Completed

Clipboard Audit or Letter regarding Energy Star benchmarking tool

01/18/2012

03/12/2012



Department of Permit & Inspection Services Brian Rielly, Commissioner

Byron W. Brown, Mayor

ELECTRICAL INSPECTIONS

DATE: _/6/21/10	RE: SOLAR PASELS
From: Electrical Inspections Department	
REPORT OF ELECTRICAL INSPECTION	NS
OWNERS NAME & ADDERSS	City of Branch
	Q 5 6 / C/2 / 44/6
	La caracter and
CONTRACTOR	Carra A Garage
PERMIT NUMBER	187512
DATE OF INSPECTION	<u> </u>
DISPOSITION	1988 (Reserve
The electrical installation at the above not the Ordinances of the City of Buffalo incl permit attached)	ted address was found to be in compliance with luding the National Electrical Code. (copy of
	Very Truly Yours,
	Permits and Inspection Services Electrical Inspection Department
	Electrical Inspector
	Chief Electrical Inspector



BYRON W. BROWN
MAYOR

CITY OF BUFFALO

DEPARTMENT OF
PUBLIC WORKS, PARKS & STREETS
Office of Planning & Design



STEVEN J. STEPNIAK COMMISSIONISR

October 9, 2011

Mr. Jason D. Mangione NYSERDA 17 Columbia Circle Albany, NY 12203

To Whom It May Concern:

The City of Buffalo does not require building permits for the installation of photovoltaic systems on existing building roofs. The City's only requirement for photovoltaic system installation is an electrical permit and electrical inspection after the system is complete. All of the following buildings will e submitted for incentives and do not require building permits.

118 East Utica Friends of the Elderly Community Center 3242 Main St. **Gloria Parks Community Center** 296 Best St. J. B. Wiley Stadium 156 Tacoma St. Lafayette Ice Rink 1799 Clinton St. Machnica Community Center 161 Vermont St. West Side Community Center 40 Reese St. Asarese Matters Community Center 2687 Niagara St. Bud Bakewell Ice Rink

Thank you.

Sincerely,

Daniel D. Connors
Project Manager

DDC:dlg





Welcome peter@davidhomes.com! | Logout

Applications

My Settings

Incentive Application 4328-27360

Application Date: 3/14/2012

Application Participants

Host Customer

ARC02@CH.CI.BUFFALO.NY.US

City of Buffalo - Gloria Parks (3) (Dan Connors)

Gloria Parks / 3242 Main St. / Buffalo, NY 14214 (Mailing, Physical)

Sector: Government

Payee

Tax Status: Corporation

Tax ID:

Add Application Participant

Utility Company & Power Usage

Central Hudson Gas & Electric

Annual Usage: 395120 kWh

Installers, Inspectors, and Related Companies

Installe

David Homes (Peter Appler, peter@davidhomes.com, 716-208-5331 H)

25 Hazelwood / Amherst, NY 14228

Selected Incentive

\$1.50 per Watt to 50kW (Unspecified)

System Equipment & Other Components: 5.040 kW DC-STC / 4.286 kW AC-PTC / 3.857 kW AC / 4.147 kW CSI-AC

21 Inverter - Enphase Energy 0.2 kW (Model M215-60-2LL-S2x)	\$6,111.00
21 PV Module - Motech Americas 240W (Model MTPVp-240-MSB)	\$14,032.00
1 System Costs - Installation Costs Balance of System	\$21,000.00

Total Cost: \$41,143.00
Incentive Amount: \$7,560.00

Application Paperwork & Tasks

Incentive Application Form (Attachment B or B-1)			03/23/2012	
Site Plan			03/27/2012	
Pnotos of System Site		49	03/27/2012	43
Three-line Electrical Drawing	***		03/27/2012	
Shading Analysis Results			03/27/2012	*
Utility bill which includes RPS payment and annual usage			03/27/2012	
Interconnect Letter			12/04/2012	
Estimate of Annual Output			03/27/2012	
Customer Purchase Agreement, PPA, or Lease Agreement			03/27/2012	
Addendum (Attachment E or E-1)			03/27/2012	
Design Review			04/25/2012	
Action: Review Completed				04/25/2012
Clipboard Audit or Letter regarding Energy Star benchmarking tool			03/27/2012	
System Modification			11/24/2012	
Action: Modification Approved				12/03/2012
Equipment Delivery			10/01/2012	
Actual Interconnection			11/05/2012	

November 5, 2012

Attention:

CITY OF BUFFALO

3242 MAIN ST

BUFFALO, NY 14214

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO:

The application for your photovoltaic project at 3242 MAIN ST BUFFALO NY 14214 was formally accepted on November 5, 2012. Once your net meter has been installed, you are authorized to close your AC disconnect switch and produce power. In accordance with the NYS SIR, National Grid reserves the right to an on-site witness testing to be scheduled with the contractor and customer.

The Form K you submitted has been executed and a copy is attached for your file. A copy will also be sent to David Homes.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators.

An order for your existing meter to be replaced with a net meter was issued on November 5, 2012. The meter replacement should be completed within ten business days.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Distributed Generation Services Electric Load & DG

Enclosures

Xc:

David Homes





Welcome peter@davidhomes.com! | Logout

Applications

My Settings

Incentive Application 4328-26911

Application Date: 2/16/2012

Application Participants

Host Customer

arc07@ch.ci.buffalo.ny.us

City of Buffalo (Dan Connors)

296 Best St / Buffalo, NY 14204 (Physical) 65 Niagara St / Buffalo, NY 14202 (Mailing)

Sector: Government

Payee

Tax Status: Corporation

Tax ID:

Add Application Participant

Utility Company & Power Usage

National Grid

Annual Usage: 208000 kWh

Installers, Inspectors, and Related Companies

Installer

David Homes (Peter Appler, peter@davidhomes.com, 716-208-5331 H)

25 Hazelwood / Amherst, NY 14228

Selected Incentive

\$1.75 per Watt to 50kW (Unspecified)

System Equipment & Other Components: 13.200 kW DC-STC / 11.225 kW AC-PTC / 10.103 kW AC / 0.000 kW CSI-AC

55 Inverter - Enphase Energy 0.2 kW (Model M215-60-2LL-S2x)		\$16,000.00
55 PV Module - Motech Americas 240W (Model MTPVp-240-M)		\$31,250.00
1 System Costs - Installation Costs Balance of System		\$36,020.00
1 System Costs - Installation Costs Balance of System		\$46,730.00
	Total Cost:	\$130,000.00
Ince	entive Amount:	\$23,100.00

Application Paperwork & Tasks

Actual Interconnection

Site Plan		02/17/2012	4
Incentive Application Form (Attachment B or B-1)	e.	02/17/2012	ė.
Photos of System Site		02/17/2012	
Three-line Electrical Drawing		02/17/2012	
Shading Analysis Results		02/17/2012	
Utility bill which includes RPS payment and annual usage		02/17/2012	
Estimate of Annual Output		02/17/2012	
Customer Purchase Agreement, PPA, or Lease Agreement		02/17/2012	
Addendum (Attachment E or E-1)		02/17/2012	
Design Review		04/03/2012	
Action: Review Completed			04/03/2012
Clipboard Audit or Letter regarding Energy Star benchmarking tool		02/17/2012	
Equipment Delivery		06/15/2012	
Actual Installation		06/01/2012	



07/12/2012





Applications

My Settings

Incentive Application 4328-26912

Application Date: 2/16/2012

Application Participants

Host Customer

arc07@ch.ci.buffalo.ny.us

City of Buffalo - 158 Tacoma Ave (Dan Connors) 158 Tacoma Ave / Buffalo, NY 14216 (Physical) 65 Niagara St / Buffalo, NY 14202 (Malling)

Sector: NonProfit

Payee

Tax Status: Corporation

Tax ID:

Add Application Participant

Utility Company & Power Usage

National Grid

Annual Usage: 986800 kWh

Installers, Inspectors, and Related Companies

Installer

David Homes (Peter Appler, peter@davidhomes.com, 716-208-5331 H)

25 Hazelwood / Amherst, NY 14228

Selected Incentive

\$1.75 per Watt (25kW max) (Unspecified)

System Equipment & Other Components : 25.200 kW DC-STC / 21.430 kW AC-PTC / 19.287 kW AC / 21.430 kW CSI-AC

Total Co	ost: \$240,000.00
1 System Costs - Installation Costs Labor Overhead	\$72,067.00
1 System Costs - Installation Costs Balance of System	\$74,168.00
105 PV Module - Motech Americas 240W (Model MTPVp-240-M)	\$61,740.00
105 Inverter - Enphase Energy 0.2 kW (Model M215-60-2LL-S2x)	\$32,025.00

Total Cost: \$240,000.00
Incentive Amount: \$43,750.00

11/02/2012

03/29/2012

Application Paperwork & Tasks

Site Plan	02/17/2012
Incentive Application Form (Attachment B or B-1)	02/17/2012
Photos of System Site	02/17/2012
Three-line Electrical Drawing	02/17/2012
Shading Analysis Results	02/17/2012
Utility bill which includes RPS payment and annual usage	02/17/2012
Building Permit	11/16/2012
Estimate of Annual Output	02/17/2012
Customer Purchase Agreement, PPA, or Lease Agreement	02/17/2012
Addendum (Attachment E or E-1)	02/17/2012
Design Review	03/29/2012
Action: Review Completed	
Clipboard Audit or Letter regarding Energy Star benchmarking tool	02/17/2012

https://nowernaturally.nowerclerk.com/Incentives/ViewApplication_aspx?TaskStenId=603





Applications

My Settings

Incentive Application 4328-23092

Application Date: 6/15/2011

Application Participants

Host Customer

ARC02@ch.ci.buffalo.ny.us

City of Buffalo (Dan Connors)

65 Niagara St / Buffalo, NY 14202 (Mailing)

Old 1st Ward Community Center / 62 Republic / Buffalo, NY 14204 (Physical)

Sector: Commercial

Payee

Tax Status: Corporation

Tax ID:

Add Application Participant

Utility Company & Power Usage

National Grid

Annual Usage: 164000 kWh

Installers, Inspectors, and Related Companies

Installer

David Homes (Peter Appler, peter@davidhomes.com, 716-208-5331 H)

25 Hazelwood / Amherst, NY 14228

Inspector

Cadmus (Shawn Shaw, shawn.shaw@cadmusgroup.com)

410 Great Road, B6 / Littleton, MA 01460

Selected Incentive

\$1.75 per Watt to 50kW (Unspecified)

System Equipment & Other Components: 7.755 kW DC-STC / 6.584 kW AC-PTC / 5.925 kW AC / 0.000 kW CSI-AC

Total Cost:	\$68,000.00
1 System Costs - Installation Costs Balance of System	\$34,901.00
33 PV Module - Motech Americas 235W (Model MTPVp-235-MSC)	\$24,024.00
33 Inverter - Enphase Energy 0.2 kW (Model M190-72-208-Sxx (-NA))	\$9,075.00

Incentive Amount: \$13,571.00

Application Paperwork & Tasks

Cite Dian

Site Plati	06/15/2011
Incentive Application Form (Attachment B or B-1)	06/15/2011
Photos of System Site	06/15/2011
Three-line Electrical Drawing	06/15/2011
Shading Analysis Results	06/15/2011
Utility bill which includes RPS payment and annual usage	06/15/2011
Estimate of Annual Output	06/15/2011
Customer Purchase Agreement, PPA, or Lease Agreement	06/15/2011
Addendum (Attachment E or E-1)	06/15/2011
Design Review	07/21/2011
Action: Review Completed	
Clipboard Audit or Letter regarding Energy Star benchmarking tool	06/15/2011
Equipment Delivery	00/20/2044

08/30/2011

06/25/2012

Action: Reinspection Completed (Pass) 08/10/2012

07/21/2011

November 30, 2011

Attention:

CITY OF BUFFALO 62 REPUBLIC ST BUFFALO NY 14204

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO:

The application for your photovoltaic project at 62 REPUBLIC ST BUFFALO NY 14204 was formally accepted on November 30, 2011. Once your net meter has been installed, you are authorized to close your AC disconnect switch and produce power.

In accordance with the NYS SIR, National Grid reserves the right to an on-site witness testing to be scheduled with the contractor and customer.

The Form K you submitted has been executed and a copy is attached for your file. A copy will also be sent to David Homes.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators.

An order for your existing meter to be replaced with a net meter was issued on November 30, 2011. The meter replacement should be completed within ten business days.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Distributed Generation Services Electric Load & DG

Enclosures

Xc:

David Homes





Applications

My Settings

Application Date: 3/26/2012

Incentive Application 4328-27448

Application Participants

Host Customer

arc02@ch.ci.buffalo.ny.us

City of Buffalo - 1799 Clinton St (Dan Connors) 1799 Clinton St / Buffalo, NY 14206 (Physical) 65 Niagara St / Buffalo, NY 14202 (Mailing)

Sector: Government

Add Application Participant

Utility Company & Power Usage

National Grid

Annual Usage: 156920 kWh

Installers, Inspectors, and Related Companies

Installer

David Homes (Peter Appler, peter@davidhomes.com, 716-208-5331 H)

25 Hazelwood / Amherst, NY 14228

Selected Incentive

\$1.50 per Watt to 50kW (Unspecified)

System Equipment & Other Components: 7.200 kW DC-STC / 6.036 kW AC-PTC / 5.433 kW AC / 6.036 kW CSI-AC

30 Inverter - Enphase Energy 0.2 kW (Model M215-60-2LL-S2x)

\$8,850.00

30 PV Module - Montech Solar 240W (Model MTS-240-M)

\$20,040.00

1 System Costs - Installation Costs Balance of System

\$30,610.00

Total Cost:

\$59,500.00

Incentive Amount:

\$10,800.00

Application Paperwork & Tasks

Site Plan 04/04/2012 Incentive Application Form (Attachment 8 or B-1) 04/04/2012 Photos of System Site 04/04/2012 Three-line Electrical Drawing 04/04/2012 Shading Analysis Results 04/04/2012 Utility bill which includes RPS payment and annual usage 04/04/2012 Estimate of Annual Output 04/04/2012 Customer Purchase Agreement, PPA, or Lease Agreement 04/04/2012 Addendum (Attachment E or E-1) 04/04/2012 Design Review 05/09/2012

05/09/2012

Action: Review Completed Clipboard Audit or Letter regarding Energy Star benchmarking tool

Action: Modification Approved

System Modification

04/04/2012 11/24/2012

12/03/2012

Payments

Total Payments:

\$0.00



Department of Permit & Inspection Services

Byron W. Brown, Mayor

Brian Rielly, Commissioner

ELECTRICAL INSPECTIONS

DATE: 5/22/13	RE: SOLAR PALELS
From: Electrical Inspections Department	
REPORT OF ELECTRICAL INSPECTIONS	
OWNERS NAME & ADDERSS	PARKS & RECREATION
	1799 CLINTON
	SIL CITY HALL, BUCEALD
CONTRACTOR	Grown
PERMIT NUMBER	190 411
DATE OF INSPECTION	1/18/13
DISPOSITION	APPROVE-O
The electrical installation at the above noted at the Ordinances of the City of Buffalo including permit attached)	ldress was found to be in compliance with g the National Electrical Code. (copy of
	Very Truly Yours,
	Permits and Inspection Services Electrical Inspection Department
	MICHAEL R SULLIVAN Electrical Inspector
	Chief Electrical Inspector

Email this form to PVinvolces@nyserda.ny.gov

Attachment C



NOTE: Please refer to Attachment H, Section 2.7 for naming of incentive requests. All document must be scanned as a single pdf.

	PON	2112 SOLAR PV PROG	RAM INCENTIV	E REQUEST FOR	KM _	Rev. 8	
Contractor Nau	no Devi	o Homes	ipangananan da dagana jangana jangana para <u>angan ingan daga</u>	Installer Name_	Peter A	ppler	The Control of the Co
NYSERDA Pro	ject No. <u>432</u>	<u>8 - 27448</u>	Custome	r Name CJ	-y of 1	30-CFal	0
Installation Add	Iress 17 9	ia Clinton	St Bu	Halo NY	14 20	<u> </u>	
Total Approved	Incentive Amou	ints 10,800	If in	surance will expire	soon, attach curre	ent Certificate o	f Insurance.
Check one (if s	ubmitting for 100)%, include ALL items unde	r highlighted head	dings) <u>*</u> 100%	75%	25%	
NYSERDA PO	f (click on link in	PC "show contract details"	to find PO#)	29076	Amount Requeste	15 27c	00
		/ITH 75% REQUEST)
		d all permits as required by		4 .		/ / 1/2	Hectrical permit
List equipment of	delivered:	Date of	I delivery	14/12	(owner	s initials)	
	Quentity	Manufactu	rer		Model		Owner's Initials
Inverter(s)	30	Enphase	Energy	MZ15-	60- ZL		All I
Modules	<i>3</i> 0	Enphase Motest	- 10	M+PV	+240- N	16B	100
		ITH 25% REQUEST etter from utility company or				•	1
•		- '	-				
I certify that all in	nformation provid	cate; Installation Date	Il attachments, ar	e true and correct to	the best of my kno	wledge. Rus	GC er's initials)
	_	s received a copy of the Op				• · · · ·	,
	🖈	ler/Affiliated Entity has insp					quirements.
	•	ler/Affitiated Entity has given who served in a primary role		-	ystem to the custon	ær.	
Car		yilo served ili a primary tole	•	ni di ula ayalani.			
John	Conee						
If this is an Expa	nsion System, i	Indicate previous Contract i		If a new meter ha	as been installed, o	heck	
here	and provide the	meter roading from the i	initial system				
All installation an Customer Purcha	d interconnect se Agreement.	ion responsibilities have (Must be initi	been completed laled by Installer	by the Installer/Af /Affiliated Entity "(filiated Entity "Cor Contractor if this is	itractor" as agree a 25% or 100%	eed to in the request).
Customer Signatur		Dun			Date _	6/14/1	3
Contractor Signatu	re localier and	Contractor certify that Insta	aller is authorized	by Contractor to do	Date .	6/12/1	3

May 24, 2013

Attention:

CITY OF BUFFALO 1799 CLINTON ST,

MACHNICA COMM CNTR BUFFALO, NY 14206

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO:

The application for your photovoltaic project at 1799 CLINTON ST, MACHNICA COMM CNTR BUFFALO NY 142 was formally accepted on May 24, 2013. Once your net meter has been installed, you are authorized to close your AC disconnect switch and produce power. In accordance with the NYS SIR, National Grid reserves the right to an on-site witness testing to be scheduled with the contractor and customer.

The Form K you submitted has been executed and a copy is attached for your file. A copy will also be sent to David Homes.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators.

An order for your existing meter to be replaced with a net meter was issued on May 24, 2013. The meter replacement should be completed within ten business days.

If you have any additional questions, please do not hesitate to contact us.

Sincerely.

Distributed Generation Services Electric Load & DG

National Grid 1125 Broadway, Albany, NY 12204

Enclosures

Xc: David Homes





Applications

My Settings

Incentive Application 4328-23775

Application Date: 8/17/2011

Application Participants

Host Customer

ARC02@ch.ci.buffalo.ny.us

City of Buffalo (Dan Connors)

Carmichael Center / 83 Leddy / Buffalo, NY 14210 (Physical)

65 Niagara ST / Buffalo, NY 14202 (Mailing)

Sector: Government

Payee

Tax Status: Corporation

Tax ID:

Add Application Participant

Utility Company & Power Usage

National Grid

Annual Usage: 322000 kWh

Installers, Inspectors, and Related Companies

David Homes (Peter Appler, peter@davidhomes.com, 716-208-5331 H)

25 Hazelwood / Amherst, NY 14228

Inspector

Cadmus (Shawn Shaw, shawn.shaw@cadmusgroup.com)

410 Great Road, B6 / Littleton, MA 01460

Selected Incentive

\$1.75 per Watt to 50kW (Unspecified)

System Equipment & Other Components: 15.510 kW DC-STC / 12.995 kW AC-PTC / 11.696 kW AC / 0.000 kW CSI-AC

Equipment & Other Components	\$20,130.00
66 Inverter - Enphase Energy 0.2 kW (Model M215-60-208-S2x)	\$38,808.00
66 PV Module - Montech Solar 235W (Model M15-233-m)	\$21,736.00
2 System Costs - Installation Costs Balance of System	\$46,620.00
2 System Costs - Installation Costs Labor Overhead	\$200.00
1 System Costs - Installation Costs Permitting Fees Total Cost:	\$127,494.00
a continue Amount:	\$27,143.00

\$27,143.00 Incentive Amount:

Application Paperwork & Tasks

pplication Paperwork & Tasks	08/16/2011
Site Plan	08/16/2011
Incentive Application Form (Attachment B or B-1)	08/17/2011
Photos of System Site	08/16/2011
Three-line Electrical Drawing	08/17/2011
n. u Annhusir Daculte	08/16/2011
Utility bill which includes RPS payment and annual usage	02/23/2012
Building Permit	08/17/2011
- u . u . of Amount Outout	08/16/2011
Customer Purchase Agreement, PPA, or Lease Agreement	08/16/2011
Addendum (Attachment E or E-1)	09/07/2011
Design Review Action: Review Completed	

09/07/2011



January 26, 2012

Attention:

CITY OF BUFFALO

83 LEDDY ST

BUFFALO, NY 14210

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO:

The application for your photovoltaic project at 83 LEDDY ST BUFFALO NY 14210 was formally accepted on January 26, 2012. The Form K you submitted has been executed and a copy is attached for your file. A copy will also be sent to .

Please have your contractor forward a signed and dated Certification Letter (stating that the system has been tested in accordance with the requirements of the previously submitted inverter manufacturer's verification test procedure, with acceptable results) to our attention at the address shown below. Following review of this document and a site inspection (if deemed to be necessary), an order will be issued to initiate a meter change. A final interconnection authorization letter will follow the meter change order.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Distributed Generation Services Electric Load & DG

Enclosures

Xc:





Applications

My Settings

Incentive Application 4328-27362

Application Date: 3/14/2012

Application Participants

Host Customer arc02@ch.ci.buffalo.ny.us

City of Buffalo - West Side Community Center (1) (Dan Connors)

West Side Community Center / 161 Vermont St. / Buffalo, NY 14213 (Physical)

65 Niagara / Buffalo, NY 14202 (Mailing)

Sector: Government

Pavee

Tax Status: Corporation

Tax ID:

Add Application Participant

Utility Company & Power Usage

National Grid

Annual Usage: 140000 kWh

Installers, Inspectors, and Related Companies

David Homes (Peter Appler, peter@davidhomes.com, 716-208-5331 H)

25 Hazelwood / Amherst, NY 14228

Selected Incentive

\$1.50 per Watt to 50kW (Unspecified)

System Equipment & Other Components: 5.040 kW DC-STC / 4.226 kW AC-PTC / 3.803 kW AC / 4.226 kW CSI-AC

21 Inverter - Enphase Energy 0.2 kW (Model M215-60-2LL-S2x) \$6,111.00 \$14,032.00 21 PV Module - Montech Solar 240W (Model MTS-240-M) \$21,000.00 1 System Costs - Installation Costs Balance of System \$41,143.00

Total Cost: \$7,560.00 **Incentive Amount:**

Application Paperwork & Tasks

Action: Modification Approved

03/27/2012 Site Plan 03/27/2012 Incentive Application Form (Attachment 6 or 6-1) 03/27/2012 Photos of System Site 03/27/2012 Three-line Electrical Drawing 03/27/2012 Shading Analysis Results 03/27/2012 Utility bill which includes RPS payment and annual usage 11/16/2012 **Building Permit** 03/20/2012 Estimate of Annual Output 03/27/2012 Customer Purchase Agreement, PPA, or Lease Agreement 03/27/2012 Addendum (Attachment E or E-1) 04/25/2012 Design Review 04/25/2012 Action: Review Completed 03/27/2012 Clipboard Audit or Letter regarding Energy Star benchmarking tool 11/24/2012 **System Modification** 12/03/2012

December 4, 2012

Attention:

CITY OF BUFFALO 161 VERMONT ST, * BUFFALO, NY 14213

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO:

The application for your photovoltaic project at 161 VERMONT ST, * BUFFALO NY 14213 was formally accepted on December 4, 2012. The Form K you submitted has been executed and a copy is attached for your file. A copy will also be sent to David Homes.

Please have your contractor forward a signed and dated Certification Letter (stating that the system has been tested in accordance with the requirements of the previously submitted inverter manufacturer's verification test procedure, with acceptable results) to our attention at the address shown below. Following review of this document and a site inspection (if deemed to be necessary), an order will be issued to initiate a meter change. A final interconnection authorization letter will follow the meter change order.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Distributed Generation Services Electric Load & DG

Enclosures

Xc:

David Homes

December 19, 2012

Attention:

CITY OF BUFFALO 161 VERMONT ST, * BUFFALO, NY 14213

Re: Niagara Mohawk, d/b/a National Grid, Standardized Contract For Interconnection of New Distributed Generation Units of 2 MW or Less, to be Operated in Parallel, Form K

Dear CITY OF BUFFALO:

The application for your photovoltaic project at 161 VERMONT ST, * BUFFALO NY 14213 was formally accepted on December 19, 2012. Once your net meter has been installed, you are authorized to close your AC disconnect switch and produce power. In accordance with the NYS SIR, National Grid reserves the right to an on-site witness testing to be scheduled with the contractor and customer.

The Form K you submitted has been executed and a copy is attached for your file. A copy will also be sent to David Homes.

Also attached is a link to the current version of our Tariff, outlining the Standard Interconnection Requirements for On-Site Generators.

An order for your existing meter to be replaced with a net meter was issued on December 19, 2012. The meter replacement should be completed within ten business days.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

Distributed Generation Services Electric Load & DG

Enclosures

Xc:

David Homes

Email this form to PVinvoices@nyserda.ny.gov

Attachment C



NOTE: Please refer to Attachment H, Section 2.7 for naming of incentive requests. All document must be scanned as a single pdf.

	PON	2112 SOLAR PV PROGRA	AM INCENTIV	E REQUEST FORM	Re	ev. 8	
Contractor Nan	ne Devi	o Homes		Installer Name	Peter App	<u>lec</u>	
NYSERDA Pro	ject No. 43	29-27362	Customer	Name Cty	of Bo	ffah	2
Installation Add	ress/6	1 Vermont	st. 6	Suffalo M	J. V. 11	121	3
		int\$ 77.55					
Check one (if su	ubmitting for 100)%, include ALL Items under h	highlighted head	ings) <u>*</u> 100%	75% <u>\</u>	25%	
NYSERDA PO	(click on link in	PC "show contract details" to	find PO# 15	1 28 960 An	nount Requested \$	208	5 19
ITEMS TO BE Building	INCLUDED V	VITH 75% REQUEST and all permits as required by A	NHJ if not previou	usly submitted; NYC pr	rojects need DOB work	pempit & ele	offical permit
List equipment o	delivered:	Date of d	follvery <u></u>	2/12000	(owner's initial	als)	Q'
	Quantity	Manufacture	r		Model		Owner's Initials
Inverter(s)	21	Enphase !	Energy	MZ15-4	0- ZLL		400
Modules	2-(Enphase & Motesh	V	M+PU -	240-M517		W
Sign-off/in	INCLUDED W Iter-connection I	ITH 25% REQUEST etter from utility company or A	Acceptable Docu	mentation as outlined	in 2.7 of Pon 2112, Att	echment H	
Electrical i	inspection certifi	icate; Installation Date <u>i_t</u>	10/12	Utility Inter	connection Date12	(14/12	
		ded in this form, including all a	٠,			. Hur	r's initials)
	_	s received a copy of the Oper					•
		ller/Affillated Entity has inspec	-	-		, rogram red	uirements.
	•	ler/Affiliated Entity has given		•	tem to the customer.		
	۸ .	who served in a primary role o		n of the system.			
	• • •			ggenergijsjonen gjengere e enhandsjok i sold havet strang stranger på polynder fil de tre enhands	and the second section and the sectio	n + portura de la marca de la properioria	
		indicate previous Contract #_		If a naw mater has		and a second section of the second section is a second section of the second section s	
	•	e meter reading from the in					
All installation an	d interconnect	ti on resp onsibilities have be	een completed	by the Installer/Affili	ated Entity "Contracto	or" as agre	ed to in the
Customer Purcha	ise Agreement	(Must be initial			,		request).
Customer Signatur		^ 1		gaganat historia and antariation of a superioral delication and a state of the superioral delication of		714/1	7
Contractor Signatu If executed by Insta	re localitics and	Contractor certify that Install	er is authorized i	by Contractor to do so.	Date 6	12/1	3



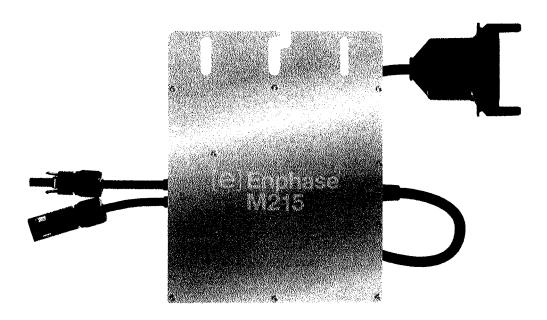
Byron W. Brown, Mayor

Brian Rielly, Commissioner

ELECTRICAL INSPECTIONS

DATE: 12/13/12	RE: Section packets
From: Electrical Inspections Department	
REPORT OF ELECTRICAL INSPECTIONS	S
OWNERS NAME & ADDERSS	0174 08 12 11 11 16 (141 VORMENT
	1712. 6119 11466
•	Brown any
CONTRACTOR	Cheen execuse
PERMIT NUMBER	189342
DATE OF INSPECTION	12/13/12
DISPOSITION	ADDONA B
The electrical installation at the above noted a the Ordinances of the City of Buffalo includir permit attached)	address was found to be in assentiant and
	Very Truly Yours,
	Permits and Inspection Services Electrical Inspection Department
	Electrical Inspector
	Chief Electrical Inspector

Enphase M215



The Enphase® M215 Microinverter with integrated ground delivers increased energy harvest and reduces design and installation complexity with its all-AC approach. With the advanced M215, the DC circuit is isolated and insulated from ground, so no Ground Electrode Conductor (GEC) is required for the microinverter. This further simplifies installation, enhances safety, and saves on labor and materials costs.

The Enphase M215 integrates seamlessly with the Engage® Cable, the Envoy® Communications Gateway™, and Enlighten®, Enphase's monitoring and analysis software.

PRODUCTIVE

- Maximizes energy production
- Minimizes impact of shading, dust, and debris
- No single point of system failure

SIMPLE

- No GEC needed for microinverter
- No DC design or string calculation required
- Easy installation with Engage Cable

RELIABLE

- More than 1 million hours of testing and millions of units shipped
- Industry-leading warranty, up to 25 years





M215 — MICROINVERTER TECHNICAL DATA

Recommended input power (STC)

190 - 260W

Maximum input DC voltage Peak power tracking voltage

45V 22V - 36V

Operating range MinuMax start voltage

16V - 36V 26 4V/45V

Max. DC short circuit current

15,A

Max input current

10.5A

215W

Maximum output power Nominal output current

215W 10A (arms at nominal duration)

0.9A (arms at nominal duration)

Nominal voltage/range Nominal frequency/range Extended frequency range 208V/183-229V 60.0/59.3-60.5 Hz

240V/211-264V 60.0/59.3-60.5 Hz

Power Factor

60.0/59.2-60.6 Hz >0.95

60.0/59.2-60.6 Hz > 0.95

Maximum units per 20A branch circuit

25 (three phase)

17 (single phase)

Maximum output fault current

1.05 Arms, over 3 cycles; 25.2 Apeak, 174ms duration

TO COMPANIE

CEC weighted efficiency

96.0%

Peak inverter efficiency

96.3%

Static MPPT efficiency (weighted, reference EN50530)

Dynamic MPPT efficiency (fast irradiation, changes, reference EN50530)

99.6% 99.3%

Night time power consumption

46mW

Ambient temperature range

-40°C to + 65°C

Operating temperature range (internal)

-40°C to + 85°C

Dimensions (WxHxD)

17.3 cm \times 16.4 cm \times 2.5 cm (6.8" \times 6.45" \times 1.0")*

Weight

1.6 kg (3.5 lbs)

Cooling

Natural convection - No fans

Enclosure environmental rating

Outdoor - NEMA 6

* without mounting bracket

Compatibility

Pairs with most 60-cell PV modules

Communication

Power line

Warranty

25-year limited warranty

Monitoring

Free lifetime monitoring via Enlighten softrware

Compliance

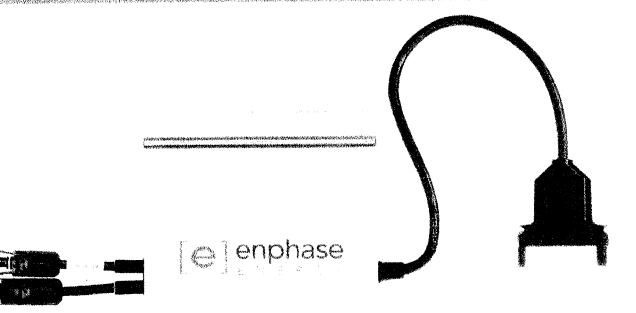
UL1741/IEEE1547, FCC Part 15 Class B

CAN/CSA-C22.2 NO. 0-M91, 0.4-04, and 107.1-01

Enphase Energy, Inc.

201 1st Street

Petaluma, CA 94952 Phone: 877-797-4743 Fax: 707-763-0784 142-00010 Rev 02



The Enphase Energy Microinverter System improves energy harvest, increases reliability, and dramatically simplifies design, installation and management of solar power systems.

The Enphase System includes the microinverter, the Envoy Communications Gateway, and Enlighten, Enphase's monitoring and analysis software.

- Maximum energy production
 Resilient to dust, debris and shading
 Performance monitoring per module

- System availability greater than 99.8%
- No single point of system failure

- Quick and simple design, installation and management
- 24/7 monitoring and analysis



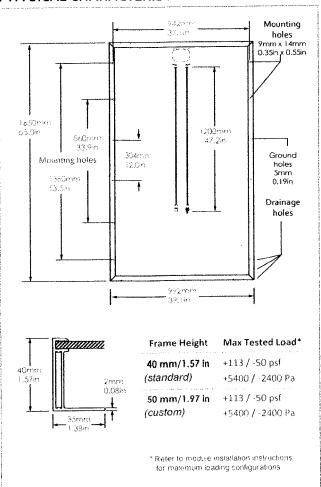
Enphase® M215 Microinverter // DATA

INPUT DATA (DC)	M215-60-2LL-S22-IG / S23-IG /	S24-IG	
Recommended input power (STC)	190 - 270 W		
Maximum input DC voltage	48 V		
Peak power tracking voltage	27 V - 39 V		
Operating range	16 V - 48 V		
Min/Max start voltage	22 V / 48 V		
Max DC short circuit current	15 A		
OUTPUT DATA (AC)	@208 VAC	@240 VAC	
Peak output power	225 W	225 W	
Rated (continuous) output power	215 W	215 W	
Nominal output current	1.03 A (A rms at nominal duration)	0.9 A (A rms at nominal duration	
Nominal voltage/range	208 V / 183-229 V	240 V / 211-264 V	
Nominal frequency/range	60.0 / 57-61 Hz	60.0 / 57-61 Hz	
Extended frequency range*	57-62.5 Hz	57-62.5 Hz	
Power factor	>0.95	>0.95	
Maximum units per 20 A branch circuit	25 (three phase)	17 (single phase)	
Maximum output fault current	850 mA rms for 6 cycles	850 mA rms for 6 cycles	
EFFICIENCY		Manufacture of the second seco	
CEC weighted efficiency, 240 VAC	96.5%		
CEC weighted efficiency, 208 VAC	96.5%		
Peak inverter efficiency	96.5%		
Static MPPT efficiency (weighted, reference EN50530)	99.4 %		
Night time power consumption	65 mW max		
MECHANICAL DATA			
Ambient temperature range	-40°C to +65°C		
Dimensions (WxHxD)	171 mm x 173 mm x 30 mm (without	mounting bracket)	
Weight	1.6 kg (3.4 lbs)		
Cooling	Natural convection - No fans		
Enclosure environmental rating	Outdoor - NEMA 6	entitorrykansky synys synich piskologisterator en plysteratorken plant kentyl polykyt kintolik aktolic selactions sku	
FEATURES		VVD DD # 4 M M MARK A DAVI A CHITTE TO THAT HAVE A LAND A CHITTE TO THE ACCOUNT.	
Compatibility	Compatible with 60-cell PV modules	•	
Communication	Power line		
Integrated ground	The DC circuit meets the requirements for ungrounded PV arrays in NEC 690.35. Equipment ground is provided in the Engage Cable. No additional GEC or ground is required. Ground fault protection (GFP) is integrated into the microinverter.		
Monitoring	Enlighten Manager and MyEnlighten	monitoring options	
Compliance	UL1741/IEEE1547, FCC Part 15 Class 0.4-04, and 107.1-01	s B, CAN/CSA-C22.2 NO. 0-M91,	

^{*} Frequency ranges can be extended beyond nominal if required by the utility



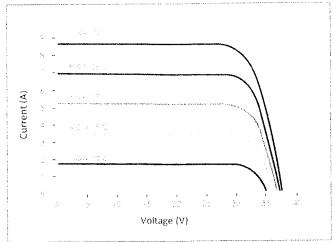
PHYSICAL CHARACTERISTICS



PHYSICAL DESIGN PROPERTIES

Weight	43.6 lb [19.3 kg]
Glass	3.2mm low iron tempered glass with anti-reflective coating
Hailstone Impact Resistance	1" @ 50 mpn [25 mm @ 80 kpn]
Junction Box	IP65/IP67 rated UL 600V/IEC 1000V Certified
Output Cables	4.0mm² Universal PvWire. 1200nnm[47.2in]
Connectors	MC4 Compatible

IV CURVE



ELECTRICAL PERFORMANCE

IM60C3-255 IM60C3-250

IM60C3-260

	98						
Test Conditions	ACT 25 CONTROL OF STREET, NO. 10.	STC	NOCT	STC	NOCT	STC	NOCT
Max. Power Voltage	Vmpp(V)	30.93	28.37	30.78	28.06	31.06	28.37
Max. Power Current	Impp(A)	8.08	6.48	8.29	6.68	8.37	6.74
Open Circuit Voltage	Voc(V)	37.68	34.97	37.54	34,73	37.76	34.93
Short Circuit Current	Isc(A)	8.63	6,99	8.85	7.17	8.93	7.23

ELECTRICAL PERFORMANCE PARAMETERS

Isc Temperature Coefficient	α (%/°C)	+0.07 ±0.02	Max. Series Fuse		15A
Voc Temperature Coefficient	β (%/°C)	-0.34 ±0.01	Max. System Voltage	IEC	1000V
	þ (%/ C)		,	UL	600V/ 1000V
Prnax Temperature Coefficient	γ (%/°C)	-0.46 ±0.02	Nominal Operating Cell Temp. (NOCT)		46°C ± 2°C
Efficiency Reduction at 200W/m², 2		<5%	Limiting Reverse Current		9.0A

IV parameters are rated at Standard Test Conditions (Irradiance of 1000 W/m², AM 1.5, cell temperature 25°C). All measurements are guaranteed at the laminate leads NOCT is measured at 800 W/m², 20°C ambient, and 1 m/s windspeed. Specifications are subject to change without notice Motech reserves the rights of final interpretation and revision on this datasheet

Motech Industries, Inc. Solar Division Tajnan Science Park i No.2: Dashun 9th Rd., Xinshi Dist., Tajnan City, 74145, Tajwan Tel: 4886-6-5050789 Fax: 4886-6-5051789 E-mail: Jales, merketing@motech.com.tw

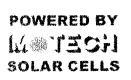


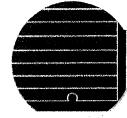
Beries Photovoltaic Modules

Peak Power: 230-245Wp

Features

- · 80 MOTECH polysilicon solar cells connected in series
- Designed for 600V or 1000V applications
- · For commercial or residential grid-tied applications
- · Output power tolerance of -3% +5%
- · Robust, anodized aluminum frame and tempered glass.
- Typo junction box, easy-click connectors, and cable
- · Global manufacturing and world-class quality





Quality, Reliability, and Yield

Moteon modules are powered by some of the highest performance and most retrable silicon cells in the solar industry. Moteon modules are engineered and tested to the highest cossible quality standards and are recognized throughout the world for their ability to deliver lifetime performance and most importantly, maximized kWh yield

25-Year Extended Warranty*

- 10-year warranty at 90%, 25-year warranty at 80%
- 5 year warranty on materials and workmanship

Warrance(Hower) supported to the second seco

Certifications & Standards*







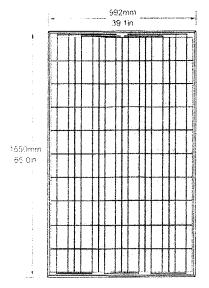
IEC 61215 IEC 61730 UL 1703 CEC listed Application Class A. Safety Class II

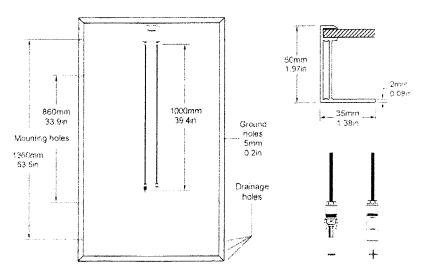
* Please refer to our website for certification and warranty betails

Thes Photovoltaic Modules



Physical Characteristics





Physical Design Properties

Weight	43.7 lb [19.8 kg]
Maximum Tested Load	±50 psf [2400 Pa] / +113 csf [5400 Pa] *
Haristone Impact Resistance	1' @ 50 mpn (25 mm @ 80 kph)
Juniction Boy	iP65 rated
Output Cables	4 0mm ^a Universal PV Wire, 1000mm [39 4in] Tyco SOLARLOK [®] Connectors

[&]quot;Refer to module installation instructions for maximum loading configurations

Electrical Performance

Peak Power	Postania (176)	200	235	240	246
Max. Power Voltage	Vmpp (V)	30,5	30.7	31 0	31.2
Max. Power Current	Impp (A)	7.6	7 7	7.8	7.9
Open Circuit Voltage	Voc (V)	36.7	37 0	37 1	37.4
Short Circuit Current	Isc (A)	8.1	8.2	8.3	8.4

Electrical Performance Parameters

Short Circuit Temp Coefficient	u (Isc)	0.04%/°C	Max Series Fuse	15A
Open Circuit Voltage Coefficient	β (Voc)	-0 32%/ C	Max. System Voltage	600V, 1000V
Max Power Temp Coefficient	y (Pmax)	-0 45 %/^C	Normal Operating Cell Temp (NOCT)	45 C ± 2 C
Efficiency Reduction at 200W/m² 25		e filozo	Limiting Reverse Current (Ir)	8.4A

Exparameters are rated at Standard Test Conditions (Irradiance of 1000 Win², AM 1.5G, cell temperature 25°C). All measurements are guaranteed at the laminate each NOCT is measured at 500 Wim², 20 deg. Clambiant, and 1 m/s windspeed. Specifications are subject to change without notice

MAQMS TD.015 Rev 2, September 2010

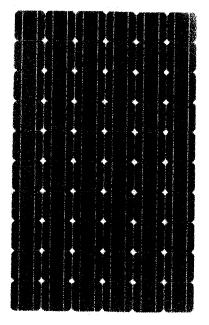
SHARP

solar electricity

240 WATT

MULTI-PURPOSE MODULE

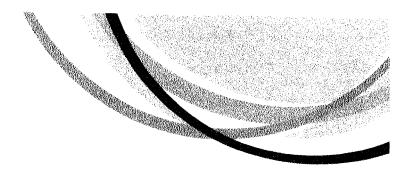
NEC 2008 Compliant



NU-0240F2

MULTI-PURPOSE 240 WATT MODULE FROM THE WORLD'S TRUSTED SOURCE FOR SOLAR.

Using breakthrough technology, made possible by hearly 50 years of proprietary research and development, Sharp's NU-Q240F2 solar module incorporates an advanced cell surface texturing process to increase light absorption and improve efficiency. Common applications include commercial and residential gnd-tied roof systems as well as ground mounted arrays. Designed to withstand many harsh operating conditions, this module offers high power output per square foot of solar array.



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ENGINEERING EXCELLENCE

High module efficiency for an outstanding balance of size and weight to power and performance

DURABLE

Tempered glass, EVA lamination and weatherproof backskin provide long-life and enhanced cell performance.

RELIABLE

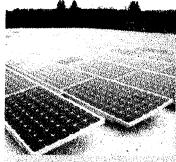
25-year limited warranty on power output.

HIGH PERFORMANCE

This module uses an advanced solar cell surface texturing process to increase light absorption and improve efficiency.

INNOVATIVE

156 mm pseudo-square monocrystalline solar cells provide high power output. Ideal for large commercial rooftops where space is a premium.



The NEP-U240F2 chies milistry leiking performance to a yenery of applications.



Impured & Frame Technology.

SHARP: THE NAME TO TRUST

When you choose Sharp, you get more than well-engineered products. You also get Sharp's broven reliability, butstanding customer service and the assurance of our 25-year limited warranty on power output. A global leader in solar electricity. Sharp powers more homes and businesses than any other solar manufacturer worldwide.

BECOME POWERFUL

240 WATT

NU-Q240F2

NEC 2008 Compliant Module output cables: 12 AWG PV Wire

ELECTRICAL CHARACTERISTICS

Maximum Power (Pmax)	240 W
Tolerance of Pmax	+10%/-5%
Type of Cell	Monocrystalline silicon
Cell Configuration	60 in series
Open Circuit Voltage (Voc)	37.4 V
Maximum Power Voltage (Vpm)	30.1 V
Short Circuit Current (Isc)	8.65 A
Maximum Power Current (ipm)	798 A
Module Efficiency (%)	14 7%
Maximum System (DC) Voitage	500 V
Series Fuse Rating	75 A
NOCT	47.5°C
Temperature Coefficient (Pmax)	-0.485%/°C
Temperature Coefficient (Voc)	-0.351%/°C
Temperature Coefficient (Isc)	0.053%/°C

thum-eatier of HeWirn. (Escendus spectral distribution of AMETE (S.S.I.M.E.962) quobal spectral madiance, at a call temperature of 25°C.

MECHANICAL CHARACTERISTICS

Dimensions (A x B < C below)

39,5 x 64,61 x 181/994 x 1640 x 46 mm

Cable Length (G)

43.317 HOR min.

Output Interconnect Cable

12 AWG with SMK Locking Connector

Weight

41.9 lbs / 19.0 kg SO psf (2400 Pascals)

Max Load Operating Temperature (cen-

-40 to 194°F / -40 to 90°C

HIPV With Ber DL Secject 1705

QUALIFICATIONS

U.L. Listed

UL 1703

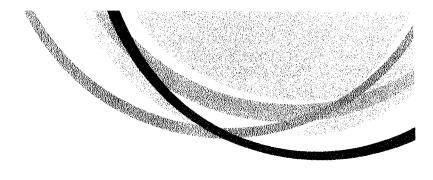
Fire Rating

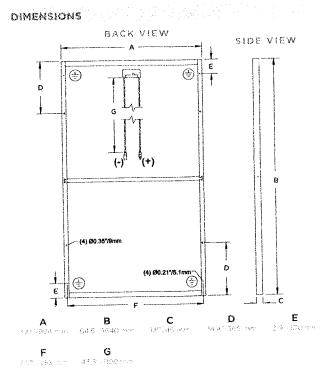
Class C

WARRANTY

25-year limited warranty on power output Contact Sharp for complete warranty information

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Consect Sharp for tolerance specifications

"BUY AMERICAN"

Sharp solar modules are manufactured in the United States and Japan, and qualify as "American" goods under the "Buy American" clause of the American Recovery and Reinvestment Act (ARRA).



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