



Mr. Jeff McClanahan
Director of Utilities
Kansas Corporation Commission
1500 S.W. Arrowhead Rd.
Topeka, Kansas 66604-4027

February 28, 2019

Dear Mr. McClanahan:

Westar Energy, Inc. hereby submits its Net Metering Annual Report to reflect all net metering installations. The regulation states that each report shall specify the following information:


1. Information by customer type, including the following for each net metered facility:
 - A. The type of generation resources in operation,
 - B. Zip Code of the net metered facility,
 - C. First year of interconnection,
 - D. Any excess kilowatt-hours that expired at the end of the prior calendar year,
 - E. Generator size, and
 - F. Number and type of meters.
2. The utility's system retail peak in Kansas and the total rated net metered generating capacity for all net metered facilities connected with the utility's system in Kansas.

The regulation requires a report listing of all net metered facilities connected during the prior calendar year.

Due to changes in the statute and the approved tariffs, there were no kilowatt-hours that expired at the end of 2018.

If you should have any questions regarding this report, please feel free to contact me at 575-8181.

Sincerely,


Rebecca A. Fowler
Regulatory Affairs

CC: Drew Robinson
Tammie Rea

Westar Energy, Inc.
Wind/Solar Net Metering
Net Metering Annual Report - Docket No. 12-WSEE-699-CPL
2018 Additions

Customer Type	Residential	Type of Generation Resource	Zip Code	Year of Interconnection	Generator Size (kW)	Number and Type of Meters	Model
Residential		PV	66061	2018	7.25	1 Bi-Directional	
Residential		PV	67501	2018	4.68	1 Bi-Directional	
Residential		PV	66052	2018	10.44	1 Bi-Directional	
Residential		PV	66086	2018	4	1 Bi-Directional	
Residential		PV	66006	2018	8	1 Bi-Directional	
Residential		PV	66615	2018	58.8	1 Bi-Directional	
Residential		PV	67357	2018	6	1 Bi-Directional	
Residential		PV	66061	2018	4	1 Bi-Directional	
Residential		PV	66002	2018	5	1 Bi-Directional	
Residential		PV	66025	2018	5	1 Bi-Directional	
Residential		PV	66111	2018	12	1 Bi-Directional	
Residential		PV	66044	2018	4.42	1 Bi-Directional	
Residential		PV	66044	2018	4.93	1 Bi-Directional	
Residential		PV	66044	2018	5.72	1 Bi-Directional	
Residential		PV	66086	2018	6.96	1 Bi-Directional	
Residential		PV	66048	2018	6.5	1 Bi-Directional	
Residential		PV	66512	2018	6.67	1 Bi-Directional	
Residential		PV	66052	2018	8	1 Bi-Directional	
Residential		PV	66052	2018	8	1 Bi-Directional	
Residential		PV	66002	2018	6.38	1 Bi-Directional	
Residential		PV	66227	2018	11.59	1 Bi-Directional	
Residential		PV	66608	2018	12.5	1 Bi-Directional	
Residential		PV	66030	2018	8.35	1 Bi-Directional	
Residential		PV	66614	2018	8	1 Bi-Directional	
Residential		PV	66409	2018	1.1	1 Bi-Directional	
Residential		Wind	66537	2018	10	1 Bi-Directional	
Residential		PV	67401	2018	6	1 Bi-Directional	
Residential		PV	66049	2018	7	1 Bi-Directional	
Residential		PV	67401	2018	6	1 Bi-Directional	
Residential		PV	66044	2018	6	1 Bi-Directional	
Residential		PV	66440	2018	11	1 Bi-Directional	
Residential		PV	66604	2018	5.75	1 Bi-Directional	
Residential		PV	66050	2018	8.89	1 Bi-Directional	
Residential		PV	66049	2018	3	1 Bi-Directional	
Residential		PV	66004	2018	3.45	1 Bi-Directional	
Residential		PV	67401	2018	10	1 Bi-Directional	
Residential		PV	66049	2018	5	1 Bi-Directional	
Residential		PV	66049	2018	6	1 Bi-Directional	
Residential		PV	66539	2018	8	1 Bi-Directional	
Residential		PV	66503	2018	10	1 Bi-Directional	
Residential		PV	66043	2018	6	1 Bi-Directional	
Residential		PV	67501	2018	5	1 Bi-Directional	
Residential		PV	67505	2018	6	1 Bi-Directional	
Residential		PV	66007	2018	7	1 Bi-Directional	
Residential		PV	66604	2018	6	1 Bi-Directional	
Residential		PV	66049	2018	10.44	1 Bi-Directional	
Residential		PV	66048	2018	6.73	1 Bi-Directional	
Residential		PV	66610	2018	6	1 Bi-Directional	
Residential		PV	66440	2018	11	1 Bi-Directional	
Residential		PV	66061	2018	3.8	1 Bi-Directional	
Residential		PV	66503	2018	3.48	1 Bi-Directional	
Residential		PV	67501	2018	15	1 Bi-Directional	
Residential		PV	66604	2018	3.22	1 Bi-Directional	
Residential		PV	66610	2018	8	1 Bi-Directional	
Residential		PV	66044	2018	14	1 Bi-Directional	
Residential		PV	66047	2018	7	1 Bi-Directional	
Residential		PV	66604	2018	5	1 Bi-Directional	
Residential		PV	66434	2018	6	1 Bi-Directional	
Residential		PV	66061	2018	6.67	1 Bi-Directional	

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Residential		PV	66044	2018	8	1 Bi-Directional	
Residential		PV	66046	2018	8	1 Bi-Directional	
Residential		PV	66018	2018	13	1 Bi-Directional	
Residential		PV	66044	2018	6	1 Bi-Directional	
Residential		PV	66012	2018	15	1 Bi-Directional	
Residential		PV	66046	2018	5	1 Bi-Directional	
Residential		PV	66007	2018	4	1 Bi-Directional	
Residential		PV	66018	2018	7	1 Bi-Directional	
Residential		PV	66801	2018	7	1 Bi-Directional	
Residential		PV	66524	2018	10	1 Bi-Directional	
Residential		PV	66043	2018	6	1 Bi-Directional	
Residential		PV	66801	2018	5	1 Bi-Directional	
Residential		PV	66614	2018	8	1 Bi-Directional	
Residential		PV	66509	2018	11	1 Bi-Directional	
Residential		PV	66043	2018	11	1 Bi-Directional	
Residential		PV	66048	2018	3	1 Bi-Directional	
Residential		PV	66044	2018	4	1 Bi-Directional	
Residential		PV	66048	2018	7	1 Bi-Directional	
Residential		PV	66048	2018	5	1 Bi-Directional	
Residential		PV	67501	2018	5	1 Bi-Directional	
Residential		PV	66047	2018	10	1 Bi-Directional	
Residential		PV	66434	2018	6	1 Bi-Directional	
Residential		PV	66049	2018	6	1 Bi-Directional	
Residential		PV	66047	2018	11	1 Bi-Directional	
Residential		PV	66049	2018	11	1 Bi-Directional	
Residential		PV	66524	2018	7	1 Bi-Directional	
Residential		PV	66054	2018	7	1 Bi-Directional	
Residential		PV	66048	2018	10	1 Bi-Directional	
Residential		PV	66440	2018	14	1 Bi-Directional	
Residential		PV	66610	2018	7.54	1 Bi-Directional	
Commercial		PV	66062	2018	40	1 Bi-Directional	
Commercial		PV	66227	2018	20	1 Bi-Directional	
Commercial		PV	66048	2018	27	1 Bi-Directional	
Commercial		PV	66618	2018	90	1 Bi-Directional	
Commercial		PV	66044	2018	182	1 Bi-Directional	
Commercial		PV	66606	2018	10	1 Bi-Directional	
Commercial		PV	67401	2018	25	1 Bi-Directional	
Commercial		PV	67401	2018	23.79	1 Bi-Directional	
Commercial		PV	66049	2018	9.95	1 Bi-Directional	
Commercial		PV	67356	2018	3.5	1 Bi-Directional	
Commercial		PV	66619	2018	5	1 Bi-Directional	
Commercial		PV	67501	2018	15.2	1 Bi-Directional	
Commercial		PV	67137	2018	8	1 Bi-Directional	
Commercial		PV	66061	2018	30	1 Bi-Directional	
Commercial		PV	66054	2018	21	1 Bi-Directional	
Commercial		PV	66044	2018	36	1 Bi-Directional	
Commercial		PV	66044	2018	4	1 Bi-Directional	
Residential		PV	67226	2018	6	1 Bi-Directional	
Residential		PV	67522	2018	9	1 Bi-Directional	
Residential		PV	67208	2018	12.5	1 Bi-Directional	
Residential		PV	67005	2018	10	1 Bi-Directional	
Residential		PV	67156	2018	7	1 Bi-Directional	
Residential		PV	67204	2018	6	1 Bi-Directional	
Residential		PV	66762	2018	8.85	1 Bi-Directional	
Residential		PV	67204	2018	6	1 Bi-Directional	
Residential		PV	67110	2018	7	1 Bi-Directional	
Residential		PV	66701	2018	7	1 Bi-Directional	
Residential		PV	67114	2018	15	1 Bi-Directional	
Residential		PV	66701	2018	10	1 Bi-Directional	

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Customer Type	Residential	Type of Generation Resource	Zip Code	Year of Interconnection	Generator Size (kW)	Number and Type of Meters	Model
Residential		PV	67207	2018	7.54	1 Bi-Directional	
Residential		PV	66755	2018	11	1 Bi-Directional	
Residential		PV	66781	2018	10	1 Bi-Directional	
Residential		PV	67114	2018	6	1 Bi-Directional	
Residential		PV	67005	2018	15	1 Bi-Directional	
Residential		PV	66762	2018	9	1 Bi-Directional	
Residential		PV	67209	2018	6	1 Bi-Directional	
Residential		PV	67056	2018	6	1 Bi-Directional	
Residential		PV	67235	2018	9	1 Bi-Directional	
Residential		PV	66762	2018	11.6	1 Bi-Directional	
Residential		PV	67204	2018	15	1 Bi-Directional	
Residential		PV	67215	2018	7	1 Bi-Directional	
Residential		PV	66760	2018	7.6	1 Bi-Directional	
Residential		PV	66755	2018	3.54	1 Bi-Directional	
Residential		PV	67037	2018	15	1 Bi-Directional	
Residential		PV	66762	2018	14	1 Bi-Directional	
Commercial		PV	67067	2018	57.6	1 Bi-Directional	
Commercial		PV	67214	2018	6.75	1 Bi-Directional	
Commercial		PV	67218	2018	76.2	1 Bi-Directional	
Commercial		PV	67062	2018	19	1 Bi-Directional	
Commercial		PV	67062	2018	15	1 Bi-Directional	

Total rated net metering installations in

2018

1686.88 kW

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Total Installations at 12/31/18

Customer Type	Type of Generation Resource	Zip Code	Year of Interconnection	Generator Size (kW)	Number and Type of Meters	Model
Commercial	WIND	66044	2009	1	1	Bi-Directional
Commercial	PV	67212	2010	23	1	Bi-Directional
Commercial	WIND	66503	2010	20	1	Bi-Directional
Commercial	WIND	66048	2010	2.4	1	Bi-Directional
Commercial	PV	66503	2010	1.05	1	Bi-Directional
Commercial	WIND	66503	2010	2.4	1	Bi-Directional
Commercial	WIND	66503	2010	140	1	Bi-Directional
Commercial	WIND	67147	2010	250	1	Bi-Directional
Commercial	WIND	66035	2011	3	1	Bi-Directional
Commercial	WIND	66020	2011	2.7	1	Bi-Directional
Commercial	PV	66850	2011	5.5	1	Bi-Directional
Commercial	PV	66502	2011	3	1	Bi-Directional
Commercial	PV	66046	2011	4.2	1	Bi-Directional
Commercial	PV	66502	2011	9.2	1	Bi-Directional
Commercial	PV	66048	2011	11.28	1	Bi-Directional
Commercial	PV	66227	2011	118	1	Bi-Directional
Commercial	WIND	66675	2011	2.4	1	Bi-Directional
Commercial	PV	66675	2011	3.47	1	Bi-Directional
Commercial	PV	66607	2011	2.04	1	Bi-Directional
Commercial	WIND	67501	2011	5.2	1	Bi-Directional
Commercial	PV	67501	2011	2.8	1	Bi-Directional
Commercial	WIND	66617	2011	2.4	1	Bi-Directional
Commercial	PV	67154	2011	16.32	1	Bi-Directional
Commercial	PV	67213	2012	4.4	1	Bi-Directional
Commercial	WIND	66538	2012	65	1	Bi-Directional
Commercial	PV	66061	2012	16.92	1	Bi-Directional
Commercial	PV	66035	2012	68	1	Bi-Directional
Commercial	WIND	66606	2012	100	1	Bi-Directional
Commercial	WIND	67144	2012	2.4	1	Bi-Directional
Commercial	PV	66044	2012	57.12	1	Bi-Directional
Commercial	WIND	66538	2012	100	1	Bi-Directional
Commercial	PV	66509	2012	19.32	1	Bi-Directional
Commercial	WIND	66801	2012	2.4	1	Bi-Directional
Commercial	PV	67114	2012	6.72	1	Bi-Directional
Commercial	PV	66047	2012	40	1	Bi-Directional
Commercial	WIND	66846	2012	2.4	1	Bi-Directional
Commercial	PV	66044	2012	8.568	1	Bi-Directional
Commercial	PV	66044	2012	27	1	Bi-Directional
Residential	PV	66502	2010	1.9	1	Bi-Directional
Residential	PV	67114	2010	4.2	1	Bi-Directional
Residential	WIND	66617	2010	2.4	1	Bi-Directional
Residential	WIND	66618	2010	2.4	1	Bi-Directional
Residential	WIND	66417	2010	4	1	Bi-Directional
Residential	WIND	66048	2011	5	1	Bi-Directional
Residential	PV	67156	2011	2.5	1	Bi-Directional
Residential	WIND	67401	2011	1.8	1	Bi-Directional
Residential	PV	67147	2011	2.7	1	Bi-Directional
Residential	PV	67026	2011	4.6	1	Bi-Directional
Residential	PV	67220	2011	10	1	Bi-Directional
Residential	WIND	66020	2011	2.7	1	Bi-Directional
Residential	PV	66044	2011	4.8	1	Bi-Directional
Residential	PV	67026	2011	10	1	Bi-Directional
Residential	PV	66047	2011	3.87	1	Bi-Directional
Residential	WIND	66502	2011	2.4	1	Bi-Directional
Residential	PV	66049	2011	1.35	1	Bi-Directional
Residential	WIND	66025	2011	2.4	1	Bi-Directional
Residential	WIND	66762	2011	2.4	1	Bi-Directional
Residential	PV	67207	2011	5.98	1	Bi-Directional

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Total Installations at 12/31/18

Customer Type	Type of Generation Resource	Zip Code	Year of Interconnection	Generator Size (kW)	Number and Type of Meters	Model
Residential	PV	67114	2011	4.8	1	Bi-Directional
Residential	PV	66061	2011	1	1	Bi-Directional
Residential	PV	66044	2011	1.75	1	Bi-Directional
Residential	WIND	66757	2011	2.4	1	Bi-Directional
Residential	WIND	66002	2011	10	1	Bi-Directional
Residential	PV	66502	2011	1.7	1	Bi-Directional
Residential	WIND	66007	2011	2.4	1	Bi-Directional
Residential	PV	66617	2011	2	1	Bi-Directional
Residential	PV	67008	2011	1.05	1	Bi-Directional
Residential	WIND	67008	2011	2.4	1	Bi-Directional
Residential	WIND	66048	2011	10	1	Bi-Directional
Residential	PV	66045	2011	7.6	1	Bi-Directional
Residential	WIND	66045	2011	2.4	1	Bi-Directional
Residential	WIND	67156	2011	2.4	1	Bi-Directional
Residential	WIND	66429	2011	2.4	1	Bi-Directional
Residential	PV	67204	2011	0.49	1	Bi-Directional
Residential	WIND	66414	2011	2.4	1	Bi-Directional
Residential	PV	66044	2011	5	1	Bi-Directional
Residential	WIND	66542	2011	25	1	Bi-Directional
Residential	PV	66049	2011	7.2	1	Bi-Directional
Residential	PV	67114	2011	12.5	1	Bi-Directional
Residential	PV	67215	2011	7	1	Bi-Directional
Residential	PV	67062	2011	6.11	1	Bi-Directional
Residential	PV	67037	2011	0.24	1	Bi-Directional
Residential	WIND	66002	2011	10	1	Bi-Directional
Residential	PV	66044	2011	8.5	1	Bi-Directional
Residential	WIND	67156	2011	2.4	1	Bi-Directional
Residential	PV	66049	2011	6.9	1	Bi-Directional
Residential	PV	66618	2011	6.75	1	Bi-Directional
Residential	PV	66049	2012	4	1	Bi-Directional
Residential	PV	67208	2012	2.58	1	Bi-Directional
Residential	PV	66618	2012	3.84	1	Bi-Directional
Residential	PV	66048	2012	3	1	Bi-Directional
Residential	PV	67147	2012	9.6	1	Bi-Directional
Residential	PV	67062	2012	2.16	1	Bi-Directional
Residential	PV	67107	2012	3.76	1	Bi-Directional
Residential	PV	66044	2012	2.58	1	Bi-Directional
Residential	PV	67017	2012	5	1	Bi-Directional
Residential	PV	66044	2012	0.76	1	Bi-Directional
Residential	PV	66503	2012	0.45	1	Bi-Directional
Residential	PV	66061	2012	7.54	1	Bi-Directional
Residential	PV	67410	2012	6.6	1	Bi-Directional
Residential	PV	66047	2012	7.6	1	Bi-Directional
Residential	PV	67212	2012	3.36	1	Bi-Directional
Residential	PV	67502	2012	7	1	Bi-Directional
Commercial	PV	66607	2013	2.04	1	Bi-Directional
Commercial	PV	66044	2013	8.568	1	Bi-Directional
Commercial	PV	66044	2013	27	1	Bi-Directional
Commercial	PV	66061	2013	16.92	1	Bi-Directional
Commercial	PV	66046	2013	21.6	1	Bi-Directional
Commercial	PV	66049	2013	18	1	Bi-Directional
Commercial	PV	66502	2013	5	1	Bi-Directional
Commercial	WIND	66048	2013	2.4	1	Bi-Directional
Commercial	WIND	66538	2013	100	1	Bi-Directional
Commercial	WIND	66846	2013	2.4	1	Bi-Directional
Commercial	PV	67213	2013	4.4	1	Bi-Directional
Commercial	PV	67114	2013	6.72	1	Bi-Directional
Commercial	PV	67117	2013	6	1	Bi-Directional
Commercial	WIND	66061	2013	4	1	Bi-Directional

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Residential	PV	66044	2013	2.58	1	Bi-Directional
Residential	PV	67502	2013	7	1	Bi-Directional
Residential	PV	66061	2013	7.54	1	Bi-Directional
Residential	PV	66602	2013	2	1	Bi-Directional
Residential	PV	66226	2013	6	1	Bi-Directional
Residential	PV	67501	2013	10	1	Bi-Directional
Residential	PV	66617	2013	6.76	1	Bi-Directional
Residential	PV	66502	2013	3.225	1	Bi-Directional
Residential	PV	67566	2013	3.9	1	Bi-Directional
Residential	PV	67502	2013	3.5	1	Bi-Directional
Residential	PV	66046	2013	5	1	Bi-Directional
Residential	PV	66046	2013	4.48	1	Bi-Directional
Residential	PV	66044	2013	7	1	Bi-Directional
Residential	PV	66044	2013	7	1	Bi-Directional
Residential	PV	66044	2013	3	1	Bi-Directional
Residential	PV	66044	2013	5.865	1	Bi-Directional
Residential	PV	66044	2013	3.06	1	Bi-Directional
Residential	PV	66503	2013	6.8	1	Bi-Directional
Residential	PV	66046	2013	5	1	Bi-Directional
Residential	PV	66046	2013	10	1	Bi-Directional
Residential	PV	66002	2013	4.3	1	Bi-Directional
Residential	PV	66049	2013	6	1	Bi-Directional
Residential	PV	66546	2013	10	1	Bi-Directional
Residential	PV	67114	2013	12.5	1	Bi-Directional
Residential	PV	67060	2013	2.4	1	Bi-Directional
Residential	PV	67208	2013	3	1	Bi-Directional
Residential	PV	67585	2013	3.8	1	Bi-Directional
Residential	PV	67117	2013	4	1	Bi-Directional
Residential	PV	67147	2013	4.25	1	Bi-Directional
Residential	PV	67204	2013	1.72	1	Bi-Directional
Residential	PV	67147	2013	1.8	1	Bi-Directional
Residential	PV	67151	2013	6	1	Bi-Directional
Residential	PV	67502	2013	4.6	1	Bi-Directional
Residential	PV	67464	2013	6.25	1	Bi-Directional
Residential	PV	67205	2013	0.19	1	Bi-Directional
Residential	PV	67501	2013	2.5	1	Bi-Directional
Residential	PV	67230	2013	5.8	1	Bi-Directional
Residential	PV	67205	2013	5	1	Bi-Directional
Residential	PV	66047	2013	11	1	Bi-Directional
Residential	PV	66006	2013	4	1	Bi-Directional
Residential	PV	66050	2013	6	1	Bi-Directional
Residential	PV	66609	2013	5.4	1	Bi-Directional
Residential	WIND	67147	2013	3	1	Bi-Directional
Residential	PV	66047	2014	11	1	Bi-Directional
Residential	PV	66006	2014	4	1	Bi-Directional
Residential	PV	66050	2014	6	1	Bi-Directional
Residential	PV	66609	2014	5.4	1	Bi-Directional
Residential	PV	66044	2014	3.4	1	Bi-Directional
Residential	PV	66049	2014	5	1	Bi-Directional
Residential	PV	66610	2014	11	1	Bi-Directional
Residential	PV	66440	2014	8	1	Bi-Directional
Residential	PV	66049	2014	14	1	Bi-Directional
Residential	PV	66052	2014	3.5	1	Bi-Directional
Residential	PV	66028	2014	1.26	1	Bi-Directional
Residential	PV	66061	2014	3.64	1	Bi-Directional
Residential	PV	66049	2014	5	1	Bi-Directional
Commercial	PV	66044	2014	33.7	1	Bi-Directional
Residential	PV	66046	2014	7	1	Bi-Directional
Residential	PV	67502	2014	7.74	1	Bi-Directional

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Residential	PV	66502	2014	2.4	1	Bi-Directional
Residential	PV	66006	2014	2.5	1	Bi-Directional
Residential	PV	66061	2014	3.64	1	Bi-Directional
Residential	PV	66044	2014	4	1	Bi-Directional
Residential	PV	66044	2014	2	1	Bi-Directional
Residential	PV	66042	2014	8	1	Bi-Directional
Residential	PV	66604	2014	7	1	Bi-Directional
Residential	PV	66542	2014	1	1	Bi-Directional
Residential	PV	66502	2014	8.25	1	Bi-Directional
Residential	PV	66502	2014	4.08	1	Bi-Directional
Residential	PV	66502	2014	1	1	Bi-Directional
Residential	P V	66502	2014	4.5	1	Bi-Directional
Residential	PV	67543	2014	2.5	1	Bi-Directional
Residential	PV	67501	2014	2.15	1	Bi-Directional
Residential	PV	66615	2014	3	1	Bi-Directional
Residential	PV	66047	2014	12	1	Bi-Directional
Residential	PV	66049	2014	10	1	Bi-Directional
Residential	PV	66503	2014	3	1	Bi-Directional
Residential	PV	67401	2014	2.08	1	Bi-Directional
Residential	PV	67401	2014	4	1	Bi-Directional
Residential	PV	66502	2014	1.5	1	Bi-Directional
Residential	PV	66502	2014	1.25	1	Bi-Directional
Residential	P V	66503	2014	2.5	1	Bi-Directional
Residential	PV	66502	2014	2.5	1	Bi-Directional
Residential	PV	66502	2014	2.15	1	Bi-Directional
Residential	PV	66502	2014	2.5	1	Bi-Directional
Residential	PV	66502	2014	2.5	1	Bi-Directional
Residential	PV	66502	2014	0.5	1	Bi-Directional
Residential	PV	66502	2014	2.15	1	Bi-Directional
Residential	PV	66006	2014	0.25	1	Bi-Directional
Residential	PV	66046	2014	0.25	1	Bi-Directional
Residential	PV	66049	2014	4	1	Bi-Directional
Residential	PV	66048	2014	21	1	Bi-Directional
Residential	PV	66044	2014	8.8	1	Bi-Directional
Residential	PV	66044	2014	0.235	1	Bi-Directional
Residential	PV	66503	2014	16.25	1	Bi-Directional
Residential	PV	66044	2014	3.3	1	Bi-Directional
Residential	PV	66044	2014	0.25	1	Bi-Directional
Residential	pv	66871	2014	7.1	1	Bi-Directional
Residential	PV	66047	2014	3.5	1	Bi-Directional
Residential	PV	66047	2014	8	1	Bi-Directional
Residential	PV	67505	2014	3.87	1	Bi-Directional
Residential	PV	67501	2014	2.15	1	Bi-Directional
Residential	PV	66048	2014	11.02	1	Bi-Directional
Residential	PV	66044	2014	3.5	1	Bi-Directional
Residential	PV	66061	2014	5.4	1	Bi-Directional
Residential	PV	66046	2014	4.15	1	Bi-Directional
Residential	PV	66610	2014	8.25	1	Bi-Directional
Residential	PV	66046	2014	5	1	Bi-Directional
Residential	PV	66046	2014	5	1	Bi-Directional
Residential	PV	66049	2014	8.75	1	Bi-Directional
Residential	PV	66044	2014	8	1	Bi-Directional
Residential	PV	66610	2014	6	1	Bi-Directional
Residential	PV	66049	2014	3.6	1	Bi-Directional
Residential	PV	66046	2014	4	1	Bi-Directional
Residential	PV	66049	2014	9	1	Bi-Directional
Residential	PV	66018	2014	2	1	Bi-Directional
Residential	PV	66046	2014	6.5	1	Bi-Directional
Residential	PV	66049	2014	6	1	Bi-Directional

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Residential	PV	66609	2014	10.5	1	Bi-Directional
Residential	PV	66610	2014	7.5	1	Bi-Directional
Residential	PV	66048	2014	2.15	1	Bi-Directional
Residential	PV	66044	2014	3.5	1	Bi-Directional
Residential	PV	66546	2014	15	1	Bi-Directional
Residential	Pv	66610	2014	6.12	1	Bi-Directional
Residential	PV	66018	2014	2	1	Bi-Directional
Residential	PV	66609	2014	10.5	1	Bi-Directional
Residential	PV	66048	2014	2.15	1	Bi-Directional
Residential	PV	66046	2014	6.5	1	Bi-Directional
Residential	PV	66610	2014	7.5	1	Bi-Directional
Commercia	PV	66502	2014	2.4	1	Bi-Directional
Commercia	PV	66044	2014	33.7	1	Bi-Directional
Commercia	PV	66047	2014	18	1	Bi-Directional
Commercia	PV	66609	2014	0.25	1	Bi-Directional
Commercia	PV	66044	2014	12.2	1	Bi-Directional
Commercia	PV	66044	2014	4.3	1	Bi-Directional
Commercia	PV	66217	2014	0.235	1	Bi-Directional
Commercia	PV	67501	2014	117.6	1	Bi-Directional
Commercia	PV	66441	2014	25	1	Bi-Directional
Commercia	PV	66441	2014	57	1	Bi-Directional
Commercia	PV	67401	2014	10	1	Bi-Directional
Commercia	PV	66002	2014	40	1	Bi-Directional
Commercia	PV	66044	2014	9.75	1	Bi-Directional
Commercia	PV	67401	2014	10	1	Bi-Directional
Commercia	PV	66002	2014	40	1	Bi-Directional
Residential	Wind	66028	2014	2.4	1	Bi-Directional
Residential	PV	67212	2014	4.08	1	Bi-Directional
Residential	PV	67212	2014	2.04	1	Bi-Directional
Residential	PV	67062	2014	3	1	Bi-Directional
Residential	PV	67062	2014	4	1	Bi-Directional
Residential	PV	67062	2014	5.5	1	Bi-Directional
Residential	PV	67005	2014	5	1	Bi-Directional
Residential	PV	67005	2014	14.56	1	Bi-Directional
Residential	PV	67005	2014	8.64	1	Bi-Directional
Residential	PV	67062	2014	5.5	1	Bi-Directional
Residential	PV	67062	2014	3	1	Bi-Directional
Residential	PV	67062	2014	3	1	Bi-Directional
Residential	PV	67062	2014	10	1	Bi-Directional
Residential	PV	67202	2014	3.75	1	Bi-Directional
Residential	PV	67202	2014	5.16	1	Bi-Directional
Residential	PV	67067	2014	3	1	Bi-Directional
Residential	PV	67114	2014	6	1	Bi-Directional
Commercia	PV	66801	2014	13.8	1	Bi-Directional
Commercia	PV	67212	2014	6	1	Bi-Directional
Commercia	PV	67349	2014	15	1	Bi-Directional
Residential	PV	66615	2015	6.5	1	Bi-Directional
Residential	PV	66018	2015	14	1	Bi-Directional
Residential	PV	67585	2015	13.75	1	Bi-Directional
Residential	PV	66049	2015	6.63	1	Bi-Directional
Residential	PV	66061	2015	5.75	1	Bi-Directional
Residential	PV	66046	2015	3	1	Bi-Directional
Residential	PV	66610	2015	10	1	Bi-Directional
Residential	PV	66002	2015	10	1	Bi-Directional
Residential	PV	66050	2015	8	1	Bi-Directional
Residential	PV	66046	2015	9	1	Bi-Directional
Residential	PV	66052	2015	8	1	Bi-Directional
Residential	PV	66061	2015	7	1	Bi-Directional
Residential	PV	66086	2015	10	1	Bi-Directional

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Residential	PV	66046	2015	8	1	Bi-Directional
Residential	PV	66049	2015	6	1	Bi-Directional
Residential	PV	67047	2015	2	1	Bi-Directional
Residential	PV	66061	2015	11	1	Bi-Directional
Residential	PV	66049	2015	12.24	1	Bi-Directional
Residential	PV	66061	2015	1	1	Bi-Directional
Residential	PV	66002	2015	7.7	1	Bi-Directional
Residential	PV	66046	2015	9	1	Bi-Directional
Residential	PV	66044	2015	10	1	Bi-Directional
Residential	PV	66503	2015	8	1	Bi-Directional
Residential	PV	66044	2015	4	1	Bi-Directional
Residential	PV	66502	2015	2.5	1	Bi-Directional
Residential	PV	66409	2015	11	1	Bi-Directional
Residential	PV	66044	2015	6	1	Bi-Directional
Residential	PV	66025	2015	12	1	Bi-Directional
Residential	PV	67484	2015	4	1	Bi-Directional
Residential	PV	66044	2015	2	1	Bi-Directional
Residential	PV	66044	2015	2	1	Bi-Directional
Residential	PV	66044	2015	7	1	Bi-Directional
Residential	PV	66502	2015	2	1	Bi-Directional
Residential	PV	67487	2015	3	1	Bi-Directional
Residential	PV	66614	2015	9	1	Bi-Directional
Residential	PV	66440	2015	5	1	Bi-Directional
Residential	PV	66047	2015	6	1	Bi-Directional
Residential	PV	66046	2015	11	1	Bi-Directional
Residential	PV	66044	2015	5	1	Bi-Directional
Residential	PV	67401	2015	3.875	1	Bi-Directional
Residential	PV	66503	2015	1.56	1	Bi-Directional
Residential	PV	66044	2015	7	1	Bi-Directional
Residential	PV	66047	2015	8	1	Bi-Directional
Residential	PV	66049	2015	9	1	Bi-Directional
Residential	PV	66052	2015	15	1	Bi-Directional
Residential	PV	66503	2015	4	1	Bi-Directional
Residential	PV	66503	2015	4.73	1	Bi-Directional
Residential	PV	66502	2015	4	1	Bi-Directional
Residential	PV	66002	2015	5	1	Bi-Directional
Residential	PV	66502	2015	1	1	Bi-Directional
Residential	PV	66007	2015	9	1	Bi-Directional
Residential	PV	75903	2015	14	1	Bi-Directional
Residential	PV	66502	2015	6	1	Bi-Directional
Residential	PV	66429	2015	7	1	Bi-Directional
Residential	PV	66047	2015	9	1	Bi-Directional
Residential	PV	66502	2015	3	1	Bi-Directional
Residential	PV	66801	2015	0.43	1	Bi-Directional
Residential	PV	66502	2015	1	1	Bi-Directional
Residential	PV	66046	2015	7	1	Bi-Directional
Residential	PV	67502	2015	7	1	Bi-Directional
Residential	PV	67401	2015	8	1	Bi-Directional
Residential	pv	66052	2015	8	1	Bi-Directional
Residential	pv	66217	2015	5	1	Bi-Directional
Residential	PV	66868	2015	5	1	Bi-Directional
Residential	PV	66054	2015	4	1	Bi-Directional
Residential	PV	66502	2015	2	1	Bi-Directional
Residential	PV	66502	2015	1	1	Bi-Directional
Residential	PV	66046	2015	3	1	Bi-Directional
Residential	PV	66018	2015	5	1	Bi-Directional
Residential	PV	66048	2015	6	1	Bi-Directional
Residential	PV	66612	2015	6	1	Bi-Directional
Residential	PV	66048	2015	9	1	Bi-Directional

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Residential	PV	67127	2015	10	1	Bi-Directional
Residential	PV	66503	2015	1	1	Bi-Directional
Residential	PV	66502	2015	2.6	1	Bi-Directional
Residential	PV	66048	2015	7	1	Bi-Directional
Residential	PV	66002	2015	8	1	Bi-Directional
Residential	PV	66502	2015	2	1	Bi-Directional
Commercial	PV	67357	2015	20	1	Bi-Directional
Commercial	PV	66044	2015	9	1	Bi-Directional
Commercial	PV	67502	2015	10	1	Bi-Directional
Commercial	PV	66073	2015	10	1	Bi-Directional
Commercial	PV	66046	2015	14	1	Bi-Directional
Commercial	PV	66061	2015	14	1	Bi-Directional
Commercial	PV	66061	2015	3	1	Bi-Directional
Commercial	PV	67546	2015	7.6	1	Bi-Directional
Commercial	PV	66502	2015	9	1	Bi-Directional
Commercial	PV	67401	2015	3.83	1	Bi-Directional
Commercial	pv	66854	2015	22	1	Bi-Directional
Commercial	pv	66606	2015	3	1	Bi-Directional
Residential	pv	66046	2015	7	1	Bi-Directional
Residential	Wind	66002	2015	10	1	Bi-Directional
Residential	PV	67107	2015	3.44	1	Bi-Directional
Residential	PV	67005	2015	13	1	Bi-Directional
Commercial	PV	66046	2015	18	1	Bi-Directional
Residential	PV	67067	2015	10	1	Bi-Directional
Residential	PV	67117	2015	4.68	1	Bi-Directional
Residential	PV	67147	2015	4	1	Bi-Directional
Residential	PV	67147	2015	1.5	1	Bi-Directional
Residential	PV	67147	2015	15	1	Bi-Directional
Residential	PV	67147	2015	5	1	Bi-Directional
Residential	PV	66762	2015	15	1	Bi-Directional
Residential	PV	67056	2015	6	1	Bi-Directional
Residential	PV	67037	2015	5	1	Bi-Directional
Residential	PV	67209	2015	2	1	Bi-Directional
Residential	PV	67117	2015	4.68	1	Bi-Directional
Residential	PV	67217	2015	2.5	1	Bi-Directional
Residential	PV	67020	2015	6	1	Bi-Directional
Residential	PV	67062	2015	4	1	Bi-Directional
Residential	PV	67208	2015	7.25	1	Bi-Directional
Residential	PV	67220	2015	3	1	Bi-Directional
Residential	pv	67147	2015	15	1	Bi-Directional
Residential	pv	66741	2015	6	1	Bi-Directional
Residential	PV	67114	2015	7.5	1	Bi-Directional
Commercial	PV	67220	2015	9	1	Bi-Directional
Commercial	PV	67212	2015	27	1	Bi-Directional
Commercial	PV	67037	2015	9	1	Bi-Directional
Commercial	PV	66726	2015	12	1	Bi-Directional
Residential	PV	66801	2016	8	1	Bi-Directional
Residential	PV	66503	2016	6	1	Bi-Directional
Residential	pv	66020	2016	14.9	1	Bi-Directional
Residential	PV	66049	2016	3	1	Bi-Directional
Residential	PV	66025	2016	6	1	Bi-Directional
Residential	PV	66007	2016	8.75	1	Bi-Directional
Residential	PV	66049	2016	2.4	1	Bi-Directional
Residential	PV	66049	2016	12	1	Bi-Directional
Residential	PV	66020	2016	14	1	Bi-Directional
Residential	PV	66503	2016	3	1	Bi-Directional
Residential	PV	66086	2016	10	1	Bi-Directional
Residential	PV	66047	2016	6	1	Bi-Directional
Residential	PV	66052	2016	5	1	Bi-Directional

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Residential	pv	66049	2016	5	1	Bi-Directional
Residential	PV	66061	2016	3	1	Bi-Directional
Residential	PV	66086	2016	5	1	Bi-Directional
Residential	PV	66061	2016	9.52	1	Bi-Directional
Residential	PV	66542	2016	10	1	Bi-Directional
Residential	PV	66007	2016	8	1	Bi-Directional
Residential	PV	66502	2016	2.5	1	Bi-Directional
Residential	PV	66605	2016	4	1	Bi-Directional
Residential	PV	66044	2016	6	1	Bi-Directional
Residential	PV	66048	2016	12	1	Bi-Directional
Residential	PV	67502	2016	6.8	1	Bi-Directional
Residential	PV	66048	2016	8	1	Bi-Directional
Residential	PV	66049	2016	3.6	1	Bi-Directional
Residential	PV	66018	2016	7	1	Bi-Directional
Residential	PV	66044	2016	7	1	Bi-Directional
Residential	PV	66044	2016	5	1	Bi-Directional
Residential	PV	66604	2016	9	1	Bi-Directional
Residential	PV	66044	2016	5	1	Bi-Directional
Residential	PV	66044	2016	5	1	Bi-Directional
Residential	PV	66048	2016	4	1	Bi-Directional
Residential	PV	66834	2016	6	1	Bi-Directional
Residential	pv	66017	2016	7	1	Bi-Directional
Residential	PV	66536	2016	10	1	Bi-Directional
Residential	PV	66008	2016	15	1	Bi-Directional
Residential	pv	66617	2016	15	1	Bi-Directional
Residential	PV	66044	2016	3	1	Bi-Directional
Residential	PV	66044	2016	9	1	Bi-Directional
Residential	PV	66049	2016	5	1	Bi-Directional
Residential	pv	66046	2016	15	1	Bi-Directional
Residential	PV	66614	2016	6	1	Bi-Directional
Residential	PV	66049	2016	11	1	Bi-Directional
Residential	PV	66044	2016	6	1	Bi-Directional
Residential	PV	66048	2016	6	1	Bi-Directional
Residential	pv	64115	2016	12	1	Bi-Directional
Residential	PV	66218	2016	12	1	Bi-Directional
Residential	pv	66006	2016	5.72	1	Bi-Directional
Residential	pv	66614	2016	6	1	Bi-Directional
Residential	PV	66503	2016	7	1	Bi-Directional
Residential	PV	66025	2016	5	1	Bi-Directional
Residential	PV	66044	2016	7	1	Bi-Directional
Residential	PV	64787	2016	7.2	1	Bi-Directional
Residential	PV	66061	2016	5	1	Bi-Directional
Residential	PV	66061	2016	5	1	Bi-Directional
Residential	PV	66044	2016	5	1	Bi-Directional
Residential	PV	67410	2016	10	1	Bi-Directional
Residential	PV	66049	2016	5	1	Bi-Directional
Residential	PV	67327	2016	6.72	1	Bi-Directional
Residential	PV	66052	2016	12	1	Bi-Directional
Residential	PV	66046	2016	4	1	Bi-Directional
Residential	PV	66048	2016	9	1	Bi-Directional
Residential	PV	66049	2016	6	1	Bi-Directional
Residential	PV	66617	2016	8	1	Bi-Directional
Residential	PV	66535	2016	7.4	1	Bi-Directional
Residential	PV	66049	2016	6	1	Bi-Directional
Residential	PV	66523	2016	7	1	Bi-Directional
Residential	PV	66049	2016	3.6	1	Bi-Directional
Residential	PV	66047	2016	3	1	Bi-Directional
Residential	PV	66533	2016	7	1	Bi-Directional
Residential	PV	66049	2016	6	1	Bi-Directional

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Residential	PV	66604	2016	2	1	Bi-Directional
Residential	PV	66048	2016	5	1	Bi-Directional
Residential	PV	66049	2016	7	1	Bi-Directional
Residential	PV	66048	2016	14	1	Bi-Directional
Residential	PV	66048	2016	3	1	Bi-Directional
Residential	PV	66872	2016	5	1	Bi-Directional
Residential	PV	66503	2016	15	1	Bi-Directional
Residential	PV	66047	2016	5	1	Bi-Directional
Residential	PV	66049	2016	4	1	Bi-Directional
Residential	PV	66018	2016	6	1	Bi-Directional
Residential	PV	66047	2016	3	1	Bi-Directional
Residential	PV	66047	2016	2	1	Bi-Directional
Residential	PV	66049	2016	12	1	Bi-Directional
Residential	PV	66617	2016	15	1	Bi-Directional
Residential	PV	66617	2016	7	1	Bi-Directional
Residential	PV	66061	2016	15	1	Bi-Directional
Residential	PV	66020	2016	9	1	Bi-Directional
Residential	PV	66049	2016	6	1	Bi-Directional
Residential	PV	66047	2016	4.6	1	Bi-Directional
Residential	PV	66049	2016	5	1	Bi-Directional
Residential	PV	66609	2016	6.76	1	Bi-Directional
Residential	PV	66607	2016	4.42	1	Bi-Directional
Residential	PV	66041	2016	6	1	Bi-Directional
Residential	PV	66048	2016	10	1	Bi-Directional
Residential	PV	66049	2016	5	1	Bi-Directional
Residential	PV	66048	2016	3	1	Bi-Directional
Residential	PV	66044	2016	3	1	Bi-Directional
Residential	PV	66049	2016	6	1	Bi-Directional
Residential	PV	66609	2016	4.5	1	Bi-Directional
Residential	PV	67585	2016	3.8	1	Bi-Directional
Residential	PV	66047	2016	7.6	1	Bi-Directional
Residential	PV	66047	2016	3.8	1	Bi-Directional
Residential	PV	66047	2016	8	1	Bi-Directional
Residential	PV	66061	2016	5.3	1	Bi-Directional
Residential	PV	66049	2016	7	1	Bi-Directional
Residential	PV	66044	2016	10	1	Bi-Directional
Residential	PV	66049	2016	9	1	Bi-Directional
Residential	PV	66049	2016	5	1	Bi-Directional
Residential	PV	66047	2016	15	1	Bi-Directional
Commercial	PV	66002	2016	85	1	Bi-Directional
Commercial	PV	66604	2016	6	1	Bi-Directional
Commercial	PV	66856	2016	9	1	Bi-Directional
Commercial	pv	66502	2016	7.6	1	Bi-Directional
Commercial	PV	66801	2016	19.8	1	Bi-Directional
Commercial	PV	66614	2016	38	1	Bi-Directional
Commercial	PV	66061	2016	38	1	Bi-Directional
Residential	PV	67206	2016	7.5	1	Bi-Directional
Residential	PV	67522	2016	6.8	1	Bi-Directional
Residential	PV	67219	2016	7.5	1	Bi-Directional
Residential	PV	67206	2016	10	1	Bi-Directional
Residential	PV	67037	2016	4.5	1	Bi-Directional
Residential	PV	67203	2016	5.16	1	Bi-Directional
Residential	PV	66762	2016	5	1	Bi-Directional
Residential	PV	67060	2016	5.5	1	Bi-Directional
Residential	PV	67114	2016	8.2	1	Bi-Directional
Residential	PV	66049	2016	9	1	Bi-Directional
Residential	PV	67203	2016	9.46	1	Bi-Directional
Residential	PV	67039	2016	15	1	Bi-Directional
Residential	PV	67039	2016	6	1	Bi-Directional

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Residential	PV	66762	2016	5.58	1	Bi-Directional
Residential	PV	67117	2016	3.4	1	Bi-Directional
Residential	PV	67133	2016	3.8	1	Bi-Directional
Residential	PV	66762	2016	5.3	1	Bi-Directional
Residential	PV	67220	2016	8.5	1	Bi-Directional
Residential	PV	67062	2016	5	1	Bi-Directional
Residential	PV	67060	2016	11	1	Bi-Directional
Residential	PV	67156	2016	14	1	Bi-Directional
Residential	PV	67133	2016	12	1	Bi-Directional
Residential	PV	67026	2016	13	1	Bi-Directional
Residential	PV	66769	2016	12.5	1	Bi-Directional
Residential	PV	67211	2016	3.8	1	Bi-Directional
Residential	PV	67211	2016	3	1	Bi-Directional
Residential	PV	67154	2016	12	1	Bi-Directional
Residential	PV	67042	2016	14	1	Bi-Directional
Residential	PV	66762	2016	5.3	1	Bi-Directional
Residential	PV	66414	2017	10.4	1	Bi-Directional
Residential	PV	66066	2017	6	1	Bi-Directional
Residential	PV	66070	2017	7	1	Bi-Directional
Residential	PV	66061	2017	2.5	1	Bi-Directional
Residential	PV	67137	2017	5	1	Bi-Directional
Residential	PV	66502	2017	7	1	Bi-Directional
Residential	PV	66614	2017	9	1	Bi-Directional
Residential	PV	66049	2017	3	1	Bi-Directional
Residential	PV	66049	2017	3.87	1	Bi-Directional
Residential	PV	66617	2017	7.7	1	Bi-Directional
Residential	PV	66006	2017	13	1	Bi-Directional
Residential	PV	66025	2017	4	1	Bi-Directional
Residential	PV	66509	2017	9.36	1	Bi-Directional
Residential	PV	66049	2017	3	1	Bi-Directional
Residential	PV	66502	2017	2	1	Bi-Directional
Residential	PV	66044	2017	5	1	Bi-Directional
Residential	PV	66503	2017	4	1	Bi-Directional
Residential	PV	66617	2017	8	1	Bi-Directional
Residential	PV	66605	2017	5	1	Bi-Directional
Residential	PV	66606	2017	7	1	Bi-Directional
Residential	PV	66049	2017	8	1	Bi-Directional
Residential	PV	66086	2017	13	1	Bi-Directional
Residential	PV	67501	2017	14	1	Bi-Directional
Residential	PV	66618	2017	5	1	Bi-Directional
Residential	PV	66502	2017	4.5	1	Bi-Directional
Residential	PV	67137	2017	5	1	Bi-Directional
Residential	PV	66002	2017	6.76	1	Bi-Directional
Residential	PV	66023	2017	15	1	Bi-Directional
Residential	PV	66047	2017	4.73	1	Bi-Directional
Residential	PV	66617	2017	13	1	Bi-Directional
Residential	PV	66771	2017	6	1	Bi-Directional
Residential	PV	67501	2017	11	1	Bi-Directional
Residential	PV	66503	2017	3	1	Bi-Directional
Residential	PV	66617	2017	5.3	1	Bi-Directional
Residential	PV	67041	2017	5	1	Bi-Directional
Residential	PV	66007	2017	8	1	Bi-Directional
Residential	PV	66618	2017	12	1	Bi-Directional
Residential	pv	66049	2017	1	1	Bi-Directional
Residential	PV	66002	2017	14	1	Bi-Directional
Residential	PV	66509	2017	8	1	Bi-Directional
Residential	PV	66061	2017	7.54	1	Bi-Directional
Residential	PV	66227	2017	13	1	Bi-Directional
Residential	PV	66604	2017	5	1	Bi-Directional

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Residential	PV	66044	2017	6	1	Bi-Directional
Residential	PV	66012	2017	11	1	Bi-Directional
Residential	PV	66047	2017	10	1	Bi-Directional
Residential	PV	66020	2017	13.52	1	Bi-Directional
Residential	PV	66049	2017	6.76	1	Bi-Directional
Residential	PV	66020	2017	11	1	Bi-Directional
Residential	PV	66002	2017	15	1	Bi-Directional
Residential	PV	66606	2017	9.36	1	Bi-Directional
Residential	PV	66006	2017	14.84	1	Bi-Directional
Residential	PV	66049	2017	14.4	1	Bi-Directional
Residential	PV	66049	2017	6	1	Bi-Directional
Residential	PV	66046	2017	4.72	1	Bi-Directional
Residential	PV	66854	2017	8.16	1	Bi-Directional
Residential	PV	66502	2017	2	1	Bi-Directional
Residential	PV	66046	2017	6.5	1	Bi-Directional
Residential	PV	66049	2017	7	1	Bi-Directional
Residential	PV	66049	2017	7	1	Bi-Directional
Residential	PV	66044	2017	10	1	Bi-Directional
Residential	PV	66006	2017	5	1	Bi-Directional
Residential	PV	66608	2017	3.12	1	Bi-Directional
Residential	PV	66609	2017	10.8	1	Bi-Directional
Residential	PV	66046	2017	5	1	Bi-Directional
Residential	PV	66044	2017	5	1	Bi-Directional
Residential	PV	66061	2017	13	1	Bi-Directional
Residential	PV	66049	2017	12	1	Bi-Directional
Residential	PV	66050	2017	5	1	Bi-Directional
Residential	PV	66227	2017	12.69	1	Bi-Directional
Residential	PV	66869	2017	6	1	Bi-Directional
Residential	PV	66048	2017	4.35	1	Bi-Directional
Residential	PV	66049	2017	6.8	1	Bi-Directional
Residential	PV	66226	2017	13	1	Bi-Directional
Residential	PV	66061	2017	5.2	1	Bi-Directional
Residential	PV	66046	2017	8	1	Bi-Directional
Residential	PV	66088	2017	12	1	Bi-Directional
Residential	PV	66061	2017	6.96	1	Bi-Directional
Residential	PV	67342	2017	2.9	1	Bi-Directional
Residential	PV	66049	2017	10	1	Bi-Directional
Residential	PV	66061	2017	4.45	1	Bi-Directional
Residential	PV	67502	2017	7.6	1	Bi-Directional
Residential	PV	66227	2017	8.1	1	Bi-Directional
Residential	PV	66043	2017	6	1	Bi-Directional
Residential	PV	66227	2017	11	1	Bi-Directional
Residential	PV	66086	2017	7	1	Bi-Directional
Residential	PV	66018	2017	14	1	Bi-Directional
Residential	PV	66052	2017	13	1	Bi-Directional
Commercial	PV	66048	2017	14	1	Bi-Directional
Commercial	PV	66049	2017	100	1	Bi-Directional
Commercial	PV	66049	2017	100	1	Bi-Directional
Commercial	PV	66606	2017	30	1	Bi-Directional
Commercial	PV	66046	2017	82	1	Bi-Directional
Commercial	PV	66044	2017	2	1	Bi-Directional
Commercial	PV	66046	2017	90	1	Bi-Directional
Commercial	PV	66044	2017	19	1	Bi-Directional
Commercial	PV	66062	2017	40	1	Bi-Directional
Commercial	PV	66612	2017	22	1	Bi-Directional
Commercial	PV	66020	2017	2.08	1	Bi-Directional
Commercial	PV	66066	2017	34	1	Bi-Directional
Commercial	PV	66047	2017	7	1	Bi-Directional
Commercial	PV	66615	2017	4	1	Bi-Directional

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Commercial	PV	66054	2017	5	1	Bi-Directional
Commercial	PV	67401	2017	22.7	1	Bi-Directional
Commercial	Wind	67401	2017	10	1	Bi-Directional
Residential	PV	67211	2017	2	1	Bi-Directional
Residential	PV	67211	2017	1	1	Bi-Directional
Residential	PV	67211	2017	2.15	1	Bi-Directional
Residential	PV	67211	2017	2.56	1	Bi-Directional
Residential	PV	67010	2017	8	1	Bi-Directional
Residential	PV	67101	2017	10	1	Bi-Directional
Residential	PV	67019	2017	8	1	Bi-Directional
Residential	PV	67002	2017	3.75	1	Bi-Directional
Residential	PV	67010	2017	4.1	1	Bi-Directional
Residential	PV	67220	2017	6	1	Bi-Directional
Residential	PV	66701	2017	15	1	Bi-Directional
Residential	PV	67206	2017	10.26	1	Bi-Directional
Residential	PV	67002	2017	3.75	1	Bi-Directional
Residential	PV	67017	2017	6	1	Bi-Directional
Residential	PV	67135	2017	5	1	Bi-Directional
Residential	PV	67042	2017	12	1	Bi-Directional
Residential	PV	66762	2017	15	1	Bi-Directional
Residential	PV	66741	2017	4	1	Bi-Directional
Residential	PV	66755	2017	3	1	Bi-Directional
Residential	PV	67037	2017	1	1	Bi-Directional
Residential	PV	67219	2017	15	1	Bi-Directional
Residential	PV	67212	2017	6	1	Bi-Directional
Residential	PV	66762	2017	8	1	Bi-Directional
Residential	PV	67114	2017	12.5	1	Bi-Directional
Residential	PV	66762	2017	7	1	Bi-Directional
Commercial	PV	67067	2017	15	1	Bi-Directional
Commercial	PV	67037	2017	4	1	Bi-Directional
Commercial	PV	66701	2017	9	1	Bi-Directional
Commercial	PV	67042	2017	7.6	1	Bi-Directional
Commercial	PV	67202	2017	5	1	Bi-Directional
Residential	PV	67016	2017	1	1	Bi-Directional
Residential	PV	67211	2017	5.16	1	Bi-Directional
Residential	PV	67211	2017	2	1	Bi-Directional
Residential	PV	67211	2017	1	1	Bi-Directional
Residential	PV	67211	2017	2.15	1	Bi-Directional
Residential	PV	67211	2017	2.56	1	Bi-Directional
Residential	PV	67010	2017	8	1	Bi-Directional
Residential	PV	66061	2018	7.25	1	Bi-Directional
Residential	PV	67501	2018	4.68	1	Bi-Directional
Residential	PV	66052	2018	10.44	1	Bi-Directional
Residential	PV	66086	2018	4	1	Bi-Directional
Residential	PV	66006	2018	8	1	Bi-Directional
Residential	PV	66615	2018	58.8	1	Bi-Directional
Residential	PV	67357	2018	6	1	Bi-Directional
Residential	PV	66061	2018	4	1	Bi-Directional
Residential	PV	66002	2018	5	1	Bi-Directional
Residential	PV	66025	2018	5	1	Bi-Directional
Residential	PV	66111	2018	12	1	Bi-Directional
Residential	PV	66044	2018	4.42	1	Bi-Directional
Residential	PV	66044	2018	4.93	1	Bi-Directional
Residential	PV	66044	2018	5.72	1	Bi-Directional
Residential	PV	66086	2018	6.96	1	Bi-Directional
Residential	PV	66048	2018	6.5	1	Bi-Directional
Residential	PV	66512	2018	6.67	1	Bi-Directional
Residential	PV	66052	2018	8	1	Bi-Directional
Residential	PV	66052	2018	8	1	Bi-Directional

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Customer Type	Type of Generation Resource	Zip Code	Year of Interconnection	Generator Size (kW)	Number and Type of Meters	Model
Residential	PV	66002	2018	6.38	1	Bi-Directional
Residential	PV	66227	2018	11.59	1	Bi-Directional
Residential	PV	66608	2018	12.5	1	Bi-Directional
Residential	PV	66030	2018	8.35	1	Bi-Directional
Residential	PV	66614	2018	8	1	Bi-Directional
Residential	PV	66409	2018	1.1	1	Bi-Directional
Residential	Wind	66537	2018	10	1	Bi-Directional
Residential	PV	67401	2018	6	1	Bi-Directional
Residential	PV	66049	2018	7	1	Bi-Directional
Residential	PV	67401	2018	6	1	Bi-Directional
Residential	PV	66044	2018	6	1	Bi-Directional
Residential	PV	66440	2018	11	1	Bi-Directional
Residential	PV	66604	2018	5.75	1	Bi-Directional
Residential	PV	66050	2018	8.89	1	Bi-Directional
Residential	PV	66049	2018	3	1	Bi-Directional
Residential	PV	66004	2018	3.45	1	Bi-Directional
Residential	PV	67401	2018	10	1	Bi-Directional
Residential	PV	66049	2018	5	1	Bi-Directional
Residential	PV	66049	2018	6	1	Bi-Directional
Residential	PV	66539	2018	8	1	Bi-Directional
Residential	PV	66503	2018	10	1	Bi-Directional
Residential	PV	66043	2018	6	1	Bi-Directional
Residential	PV	67501	2018	5	1	Bi-Directional
Residential	PV	67505	2018	6	1	Bi-Directional
Residential	PV	66007	2018	7	1	Bi-Directional
Residential	PV	66604	2018	6	1	Bi-Directional
Residential	PV	66049	2018	10.44	1	Bi-Directional
Residential	PV	66048	2018	6.73	1	Bi-Directional
Residential	PV	66610	2018	6	1	Bi-Directional
Residential	PV	66440	2018	11	1	Bi-Directional
Residential	PV	66061	2018	3.8	1	Bi-Directional
Residential	PV	66503	2018	3.48	1	Bi-Directional
Residential	PV	67501	2018	15	1	Bi-Directional
Residential	PV	66604	2018	3.22	1	Bi-Directional
Residential	PV	66610	2018	8	1	Bi-Directional
Residential	PV	66044	2018	14	1	Bi-Directional
Residential	PV	66047	2018	7	1	Bi-Directional
Residential	PV	66604	2018	5	1	Bi-Directional
Residential	PV	66434	2018	6	1	Bi-Directional
Residential	PV	66061	2018	6.67	1	Bi-Directional
Residential	PV	66044	2018	8	1	Bi-Directional
Residential	PV	66046	2018	8	1	Bi-Directional
Residential	PV	66018	2018	13	1	Bi-Directional
Residential	PV	66044	2018	6	1	Bi-Directional
Residential	PV	66012	2018	15	1	Bi-Directional
Residential	PV	66046	2018	5	1	Bi-Directional
Residential	PV	66007	2018	4	1	Bi-Directional
Residential	PV	66018	2018	7	1	Bi-Directional
Residential	PV	66801	2018	7	1	Bi-Directional
Residential	PV	66524	2018	10	1	Bi-Directional
Residential	PV	66043	2018	6	1	Bi-Directional
Residential	PV	66801	2018	5	1	Bi-Directional
Residential	PV	66614	2018	8	1	Bi-Directional
Residential	PV	66509	2018	11	1	Bi-Directional
Residential	PV	66043	2018	11	1	Bi-Directional
Residential	PV	66048	2018	3	1	Bi-Directional
Residential	PV	66044	2018	4	1	Bi-Directional
Residential	PV	66048	2018	7	1	Bi-Directional
Residential	PV	66048	2018	5	1	Bi-Directional

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Customer Type	Type of Generation Resource	Zip Code	Year of Interconnection	Generator Size (kW)	Number and Type of Meters	Model
Residential	PV	67501	2018	5	1	Bi-Directional
Residential	PV	66047	2018	10	1	Bi-Directional
Residential	PV	66434	2018	6	1	Bi-Directional
Residential	PV	66049	2018	6	1	Bi-Directional
Residential	PV	66047	2018	11	1	Bi-Directional
Residential	PV	66049	2018	11	1	Bi-Directional
Residential	PV	66524	2018	7	1	Bi-Directional
Residential	PV	66054	2018	7	1	Bi-Directional
Residential	PV	66048	2018	10	1	Bi-Directional
Residential	PV	66440	2018	14	1	Bi-Directional
Residential	PV	66610	2018	7.54	1	Bi-Directional
Commercia	PV	66062	2018	40	1	Bi-Directional
Commercia	PV	66227	2018	20	1	Bi-Directional
Commercia	PV	66048	2018	27	1	Bi-Directional
Commercia	PV	66618	2018	90	1	Bi-Directional
Commercia	PV	66044	2018	182	1	Bi-Directional
Commercia	PV	66606	2018	10	1	Bi-Directional
Commercia	PV	67401	2018	25	1	Bi-Directional
Commercia	PV	67401	2018	23.79	1	Bi-Directional
Commercia	pv	66049	2018	9.95	1	Bi-Directional
Commercia	PV	67356	2018	3.5	1	Bi-Directional
Commercia	PV	66619	2018	5	1	Bi-Directional
Commercia	PV	67501	2018	15.2	1	Bi-Directional
Commercia	PV	67137	2018	8	1	Bi-Directional
Commercia	PV	66061	2018	30	1	Bi-Directional
Commercia	PV	66054	2018	21	1	Bi-Directional
Commercia	PV	66044	2018	36	1	Bi-Directional
Commercia	PV	66044	2018	4	1	Bi-Directional
Residential	PV	67226	2018	6	1	Bi-Directional
Residential	PV	67522	2018	9	1	Bi-Directional
Residential	PV	67208	2018	12.5	1	Bi-Directional
Residential	PV	67005	2018	10	1	Bi-Directional
Residential	PV	67156	2018	7	1	Bi-Directional
Residential	PV	67204	2018	6	1	Bi-Directional
Residential	PV	66762	2018	8.85	1	Bi-Directional
Residential	PV	67204	2018	6	1	Bi-Directional
Residential	PV	67110	2018	7	1	Bi-Directional
Residential	PV	66701	2018	7	1	Bi-Directional
Residential	PV	67114	2018	15	1	Bi-Directional
Residential	PV	66701	2018	10	1	Bi-Directional
Residential	PV	67207	2018	7.54	1	Bi-Directional
Residential	PV	66755	2018	11	1	Bi-Directional
Residential	PV	66781	2018	10	1	Bi-Directional
Residential	PV	67114	2018	6	1	Bi-Directional
Residential	PV	67005	2018	15	1	Bi-Directional
Residential	PV	66762	2018	9	1	Bi-Directional
Residential	PV	67209	2018	6	1	Bi-Directional
Residential	PV	67056	2018	6	1	Bi-Directional
Residential	PV	67235	2018	9	1	Bi-Directional
Residential	PV	66762	2018	11.6	1	Bi-Directional
Residential	PV	67204	2018	15	1	Bi-Directional
Residential	PV	67215	2018	7	1	Bi-Directional
Residential	PV	66760	2018	7.6	1	Bi-Directional
Residential	PV	66755	2018	3.54	1	Bi-Directional
Residential	PV	67037	2018	15	1	Bi-Directional
Residential	PV	66762	2018	14	1	Bi-Directional
Commercia	PV	67067	2018	57.6	1	Bi-Directional
Commercia	PV	67214	2018	6.75	1	Bi-Directional
Commercia	PV	67218	2018	76.2	1	Bi-Directional

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Customer Type	Type of Generation Resource	Zip Code	Year of Interconnection	Generator Size (kW)	Number and Type of Meters	Model
Commercia	PV	67062	2018	19	1	Bi-Directional
Commercia	PV	67062	2018	15	1	Bi-Directional

Total rated net metering installations through end of 2018 8158.021 kW

Westar Energy, Inc.

Retail Peak Load

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Start Date 1/1/2018

End Date 12/31/2018

Time Zone CPT

Time Stamp Wednesday, February 20, 2019 12:54:31 PM

Filter Name Meter: westar retail load

MeterID	Meter	Month	Peak Day	Peak HE	Value	% of Peak Month
2069	Westar Retail Load	1/2018	01/17/2018	8	3228.2386	70.33%
2069	Westar Retail Load	2/2018	02/05/2018	8	2958.7572	64.46%
2069	Westar Retail Load	3/2018	03/06/2018	20	2543.304	55.41%
2069	Westar Retail Load	4/2018	04/02/2018	11	2608.7561	56.83%
2069	Westar Retail Load	5/2018	05/31/2018	17	3775.1468	82.25%
2069	Westar Retail Load	6/2018	06/28/2018	17	4590.0646	100.00%
2069	Westar Retail Load	7/2018	07/12/2018	16	4519.1722	98.46%
2069	Westar Retail Load	8/2018	08/27/2018	17	4306.2949	93.82%
2069	Westar Retail Load	9/2018	09/19/2018	17	4205.2338	91.62%
2069	Westar Retail Load	10/2018	10/03/2018	17	3685.1295	80.28%
2069	Westar Retail Load	11/2018	11/12/2018	19	2798.2214	60.96%
2069	Westar Retail Load	12/2018	12/03/2018	19	2778.7528	60.54%

2018 Retail Peak Load 4590 Mw