

Total Electrical Use and PV Generation Chart from November 2009

DATE	READING KWH Meter 1 (house use)	READING KWH Meter 2 (excess fed to PGE)	Daily Use per meter 1	Daily Feed per meter 2	READING PV KWH meter in shed	PV KWH generat ed per day	Actual KWH used per day	cumulative % (total generation / total use)	COMMENT
11/10/09 12:00 AM	0	0			56				
11/12/09 12:00 AM	11	5	5.5	2.5	65	4.5	7.5	60.00%	
11/13/09 12:00 AM	32	8	21.0	3.0	71	6.0	24.0	38.46%	
11/14/09 12:00 AM	134	8	102.0	0.0	75	4.0	106.0	13.10%	
11/19/09 12:00 AM	235	22	20.2	2.8	95	4.0	21.4	15.48%	
11/20/09 12:00 AM	289	22	54.0	0.0	95	0.0	54.0	15.48%	OOPS, Ian had left the system turned off when he came out Thursday night.
11/21/09 10:00 AM	345	23	39.5	0.7	100	3.5	42.4	14.10%	turned the system back on at 10 am Saturday, Nov 21; the % formula in Q modified to correct for missing hours
11/22/09 5:00 PM	406	24	47.2	0.8	105	3.9	50.3	13.00%	
11/25/09 5:00 PM	466	35	20.0	3.7	123	6.0	22.3	15.09%	A string of nice sunny days
11/27/09 5:30 PM	600	38	66.3	1.5	132	4.5	69.3	13.01%	Today Friday, on the other hand, is bright and sunny.
11/28/09 7:50 PM	690	38	82.0	0.0	135	2.7	84.8	11.67%	All day Thursday (Thanksgiving) the sky was very dark and rainy.
11/30/09 6:30 PM	784	39	48.3	0.5	141	3.1	50.9	10.95%	after 2 days of Desmarais here
12/2/09 4:30 PM	817	51	17.2	6.3	156	7.8	18.8	12.32%	Cold and sunny; Energy Trust came yesterday and approved our system for their \$10,000? Rebate. Exceptionally low rate of use maybe due to freezer and refrig not having to work so hard to keep things cold.
12/4/09 4:14 PM	827	64	5.0	6.5	174	9.1	7.5	14.27%	Very cold-- in the twenties last night .Barely an hour after getting home and turning on the heat and water heater, I had used an additional 5 KWH, but temp is forecast to drop down to 16 by Sunday.
12/5/09 4:15 PM	994	65	166.9	1.0	182	8.0	173.9	12.59%	Another sunny day, but home with heat and water heater turned on

12/7/09 5:00 PM	1209	68	105.8	1.5	199	8.4	112.7	11.63%	Bitter cold weather. Hi of 32 degrees today. Staying out at farm to monitor chickens. Heating pads for the cats and hot plates to keep everybodys water liquid.
12/8/09 4:15 PM	1325	68	119.7	0.0	208	9.3	129.0	11.22%	still cold, night (17 degrees) and day
12/9/09 5:15 PM	1441	68	111.4	0.0	217	8.6	120.0	10.88%	12 degrees last night; 32/32 degrees high on the porch by the back door
12/10/09 9:30 PM	1591	73	127.4	4.2	226	7.6	130.8	10.40%	Another sunny cold day
12/12/09 5:45 PM	1755	77	88.9	2.2	236	5.4	92.2	9.98%	Overcast on Saturday, first time in a week. Not quite so cold though, above freezing all day, and at home all day too.
12/16/09 5:00 PM	1787	81	8.1	1.0	244	2.0	9.1	10.22%	Rain is back. Not home S,M,T, W.
12/18/09 10:30 PM	1832	82	20.2	0.4	248	1.8	21.5	10.17%	weather mixed; 1 day of partial sun
12/19/09 8:15 PM	1909	82	85.0	0.0	250	2.2	87.2	9.86%	foggy rainy day; we went hiking in the gorge
12/22/09 11:40 PM	2078	82	53.8	0.0	256	1.9	55.7	9.34%	
12/24/09 4:18 PM	2217	83	82.1	0.6	262	3.5	85.1	9.01%	Sunny Day
12/28/09 4:15 PM	2260	105	10.8	5.5	290	7.0	12.3	10.02%	Christmas weekend of partly sunny days; even so, by 2:30 on Monday afternoon, the sun was well behind neighbor's pine trees.
12/30/09 5:00 PM	2356	105	47.3	0.0	295	2.5	49.7	9.81%	snow yesterday afternoon
1/1/10 5:45 PM	2370	107	6.9	1.0	299	2.0	7.9	9.91%	rainy both days
1/2/10 3:00 PM	2474	107	117.5	0.0	302	3.4	120.8	9.61%	nice enough day, no rain, a little brightness to the sky (clouds) in the an
1/6/10 10:20 PM	2570	108	22.3	0.2	307	1.2	23.2	9.44%	Mostly cloudy days
1/8/10 5:00 PM	2611	111	23.1	1.7	313	3.4	24.7	9.51%	rainy Friday, wasn't in town on Thurs
1/9/10 6:00 PM	2643	113	30.7	1.9	317	3.8	32.6	9.54%	Nobody out here until mid-late afternoon
1/10/10 6:45 PM	2680	113	35.9	0.0	321	3.9	39.8	9.54%	high thin clouds; not a cold day. Thermostat set at 59 degrees
1/12/10 4:30 AM	2739	114	42.0	0.7	325	2.8	44.1	9.47%	another pair of yucky grey wet days
1/16/10 1:00 PM	2762	118	5.3	0.9	333	1.8	6.2	9.66%	ditto
1/17/10 6:15 PM	2877	118	94.4	0.0	335	1.6	96.0	9.35%	dark gray rainy day
1/18/10 6:30 PM	2909	122	31.7	4.0	341	5.9	33.6	9.44%	thin sunshine for a good part of the day. Spent last night at condo. Home again at farm as of 2 pm.
1/19/10 7:15 PM	2954	123	43.6	1.0	344	2.9	45.6	9.40%	high clouds; not cold
1/21/10 5:00 PM	3055	124	53.0	0.5	353	4.7	57.2	9.36%	Still warm; fairly sunny on Thursday
1/23/10 6:00 PM	3175	125	58.8	0.5	360	3.4	61.7	9.21%	Sunny afternoon; still warm

1/26/10 5:00 PM	3368	128	65.2	1.0	373	4.4	68.6	9.05%	Rainy days and sunny days too
1/31/10 4:17 PM	3521	137	30.8	1.8	402	5.8	34.8	9.41%	Weather continues warm for January; some sun; We went to Seaside from Fri eve thru Sun morn
2/5/10 6:00 PM	3676	151	30.6	2.8	430	5.5	33.3	9.73%	some sun, some rain
2/6/10 4:50 PM	3739	151	66.2	0.0	434	4.2	70.4	9.66%	Mostly thin clouds
2/7/10 6:00 PM	3795	155	53.4	3.8	442	7.6	57.2	9.72%	gray morning, beautiful sunny afternoon
2/10/10 5:45 PM	3921	168	42.1	4.3	468	8.7	46.5	10.02%	2 sunny days; 1 cloudy day
2/13/10 6:00 PM	3983	175	20.6	2.3	481	4.3	22.6	10.17%	mostly gray rainy days; coming week we will be living here all week (window work at condo).
2/14/10 6:15 PM	4034	177	50.5	2.0	488	6.9	55.4	10.20%	variable. Sunny afternoon
2/16/10 7:00 PM	4112	188	38.4	5.4	508	9.8	42.8	10.46%	a couple of nice days, though with some rain too.
2/18/10 10:20 PM	4182	212	32.7	11.2	540	15.0	36.5	11.00%	2 more clear but cool days.
2/19/10 5:00 PM	4221	219	50.1	9.0	556	20.6	61.7	11.24%	another clear day...windy and cold.
2/20/10 4:30 PM	4261	226	40.9	7.1	573	17.4	51.1	11.49%	Clear day, not cold though
2/21/10 7:00 PM	4318	234	51.6	7.2	590	15.4	59.8	11.70%	Another clear day and fairly cool
2/24/10 8:00 PM	4456	251	45.4	5.6	617	8.9	48.7	11.91%	Got rainy on Tues and Wed
2/27/10 6:00 PM	4545	260	30.5	3.1	643	8.9	36.3	12.18%	2 rain and 1 sun
2/28/10 6:00 PM	4586	265	41.0	5.0	655	12.0	48.0	12.31%	Partly Cloudy; 60 degree high
3/1/10 7:00 PM	4627	267	39.4	1.9	662	6.7	44.2	12.34%	Cloudy all day
3/3/10 6:00 PM	4714	269	44.4	1.0	674	6.1	49.5	12.34%	mixed, tho no rain til late in day
3/4/10 6:00 PM	4759	274	45.0	5.0	687	13.0	53.0	12.47%	gray morning, brighter afternoon
3/6/10 6:25 PM	4834	288	37.2	6.9	716	14.4	44.6	12.81%	Warm and sunny both days; into the 60s
3/7/10 5:20 PM	4868	294	35.6	6.3	729	13.6	42.9	12.96%	Started sunny, then cloudy cool
3/9/10 6:38 PM	4881	317	6.3	11.2	759	14.6	9.7	13.49%	Cloudy bright Mon; rain Tues PM; No One Home
3/12/10 9:30 PM	5009	332	41.0	4.8	782	7.4	43.6	13.57%	Rainy, windy Thurs & Fri, Sunny on Wed May & Cay here Friday
3/13/10 6:00 PM	5054	336	52.7	4.7	798	18.7	66.7	13.73%	Cloudy Bright and cool, Carolyn here
3/14/10 7:20 PM	5117	338	59.7	1.9	810	11.4	69.2	13.76%	Cloudy and Cool, Cay here, heat turned up to 70+; daylight savings time started
3/16/10 8:30 PM	5214	345	47.3	3.4	832	10.7	54.7	13.88%	Mixed. Some sun, mostly clouds, a touch of sprinkles
3/18/10 7:00 PM	5245	371	16.0	13.4	872	20.6	23.2	14.48%	2 sunny warm days
3/19/10 6:00 PM	5293	388	50.1	17.7	893	21.9	54.3	14.72%	Sunny and warm
3/20/10 8:00 PM	5331	402	35.1	12.9	914	19.4	41.5	14.97%	Sunny and warm
3/27/10 5:50 PM	5505	471	25.2	10.0	1027	16.4	31.5	16.32%	Varied Spring weather; mostly only Shippy here
3/28/10 8:00 PM	5541	472	33.0	0.9	1034	6.4	38.5	16.32%	cloudy and drizzly, Shippy using saw and tools all day

3/29/10 6:00 PM	5582	474	44.7	2.2	1039	5.5	48.0	16.28%	drizzly all day, but heat turned off
4/2/10 9:00 PM	5695	512	27.4	9.2	1096	13.8	32.0	16.86%	one sunny day, rest rainy and cloudy
4/3/10 7:00 PM	5750	514	60.0	2.2	1108	13.1	70.9	16.88%	mostly rainy and nasty
4/6/10 6:00 PM	5864	529	38.5	5.1	1137	9.8	43.3	16.99%	same
4/8/10 5:00 PM	5875	552	5.6	11.7	1168	15.8	9.7	17.43%	one day rainy, the next sunny and cool
4/11/10 8:40 PM	5992	584	37.1	10.1	1226	18.4	45.4	17.93%	3 mild days; heat on in AM.
4/15/10 7:00 PM	6068	643	19.3	15.0	1313	22.1	26.5	18.96%	some sunny days
4/16/10 9:00 PM	6105	651	34.2	7.4	1332	17.5	44.3	19.11%	Nice warm Spring day
4/17/10 8:30 PM	6133	655	28.6	4.1	1344	12.3	36.8	19.19%	nice, but spring shower with clouds midday
4/18/10 7:50 PM	6159	668	26.7	13.4	1367	23.7	37.0	19.43%	Nice warm, sunny morning
4/23/10 7:30 PM	6264	702	21.1	6.8	1434	13.4	27.7	20.01%	Coolish Spring weather. Shippy here all wk.
4/24/10 7:00 PM	6304	713	40.9	11.2	1454	20.4	50.0	20.16%	Mixed clouds & sun; cool; hit 3.8kW at one point
4/25/10 7:50 PM	6335	726	30.0	12.6	1475	20.3	37.7	20.35%	Nice sunny Spring day
5/1/10 7:45 PM	6410	779	12.5	8.8	1559	14.0	17.7	21.23%	Typical late April weather
5/5/10 6:00 PM	6548	825	35.1	11.7	1635	19.4	42.8	21.79%	Coolish Spring weather.
5/10/10 8:00 PM	6631	894	16.3	13.6	1750	22.6	25.4	22.96%	Some warm spring days, and some cold ones too
5/14/10 9:00 PM	6733	947	25.2	13.1	1839	22.0	34.1	23.73%	Mixed, these last two days are sunny & hot though
5/16/10 7:00 PM	6767	970	17.7	12.0	1882	22.4	28.2	24.12%	2 mostly sunny days (some thin haze)
5/21/10 9:30 PM	6844	1022	15.1	10.2	1964	16.1	21.0	24.86%	cold, stormy and rainy days (March weather)
5/22/10 7:30 PM	6873	1031	31.6	9.8	1982	19.6	41.5	24.97%	rain, hail and sunshine -- off and on all day long
5/29/10 8:00 PM	6972	1096	14.1	9.3	2085	14.7	19.5	25.84%	Rain, rain, every day but today.
6/9/10 9:00 PM	7058	1199	7.8	9.3	2248	14.8	13.2	27.41%	Gone to Italy, Shippy here only a little bit. Rainy everyday it would seem; 73degrees hi for these 10 days
6/12/10 8:00 PM	7134	1229	25.7	10.1	2302	18.3	33.8	27.74%	Cloudy Thurs-Fri; Sunny Saturday
6/14/10 8:00 PM	7176	1259	21.0	15.0	2347	22.5	28.5	28.10%	Summery Sunday; mildly cool Monday
6/15/10 7:00 PM	7203	1267	28.2	8.3	2361	14.6	34.4	28.15%	sunny except when 2 rainstorms blew through....
6/16/10 7:30 PM	7234	1270	30.4	2.9	2371	9.8	37.2	28.15%	Cloudy
6/17/10 9:00 PM	7259	1280	23.5	9.4	2387	15.1	29.2	28.23%	nice enough day, no rain, a little brightness to the sky (clouds) in the an