

Prepared for

City of Flagstaff

Flagstaff, Arizona

**Measurement & Verification
Energy Savings Report
for the Phase Three PV Project
Year 1**

February 2015



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Year One Measurement & Verification Energy Savings Report for the Phase Three PV Project

February 2015

Prepared for

City of Flagstaff
Flagstaff, Arizona

Presented by

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1.0 Report Summary

1.1 Report Period

This report includes measurement and verification (M&V) data for City of Flagstaff (CoF) Phase Three PV Project in Flagstaff, Arizona, during Year 1 of the reporting period.

1.2 Contract Year

This report includes the year one savings for CoF as determined by the measurement and verification process. Year 1 runs from February 1st 2014 through January 31st 2015.

1.3 Executive Summary

CoF contracted with Ameresco to develop a photovoltaic solar system to provide on-site generated power interconnected with the electrical grid. The table below lists the site and meters associated with this project as well as each site's substantially complete date.

Table 1.1. Site Information

Site	Meter Number	Substantially Complete Date
Aquaplex	CT6040	10/31/2013
Rio de Flag	Q80673	12/19/2013
Sun Bear (Wildcat)	P23190	12/19/2013

All three sites was finalized in January 2014 and the first production period began on the first day of February, 2014.

1.4 Energy Cost Savings Report

Table 1.2 summarizes the annual energy cost savings, as determined by the value of solar defined in the feasibility study, incentives by Ameresco Southwest, and metering of production during year 1.

Table 1.2. Year 1 (2/1/2014 through 1/31/2015) Cost Avoidance / Savings

	A	B	C = A x B	D	E = C + D	F	G = E - F
Solar PV Site	VOS (Baseline Utility Cost), \$/kWh	Actual Annual Solar Delivered, kWh	Annual Energy and Operational Cost Savings	Total APS Incentives	Total Annual Energy and Savings & APS Incentives	Total Annual Costs (Principal, Interest, O&M, MEP, M&V and Insurance)	Total Annual Energy and Cost Savings
Aquaplex	\$0.0930	453,184	\$ 42,146	\$ 55,742	\$ 97,888	\$ -	\$ -
Rio de Flag	\$0.0930	538,783	\$ 50,107	\$ 66,270	\$ 116,377	\$ -	\$ -
Sun Bear (Wildcat)	\$0.0930	416,472	\$ 38,732	\$ 51,226	\$ 89,958	\$ -	\$ -
TOTALS:		1,408,439	\$ 130,985	\$ 173,238	\$ 304,223	\$ 257,674	\$ 46,549

1.5 Measurement and Verification Report

Table 1.3. Measurement and Verification Report for the Aquaplex

	A	B	C = B - A	D	E = B + D	F = E - A	G	H	I = H - J
AQUAPLEX	Pre-Solar Utility Use, kWh	Report Year Utility Use, kWh	Report Year Change in Utility Use, kWh	Report Year Solar Energy Delivered, kWh	Report Year Total Energy Use, kWh	Report Year Change in Total Use, kWh	Pre-Solar Utility Demand, kW	Report Year Utility Demand, kW	Report Year Change in Utility Demand, kW
Feb-14	110,400	71,040	(39,360)	31,131	102,171	(8,229)	200	198	(2)
Mar-14	112,640	63,040	(49,600)	43,586	106,626	(6,014)	200	197	(3)
Apr-14	108,640	58,080	(50,560)	45,487	103,567	(5,073)	203	194	(9)
May-14	119,360	59,360	(60,000)	51,042	110,402	(8,958)	227	192	(35)
Jun-14	109,920	56,160	(53,760)	52,569	108,729	(1,191)	232	189	(43)
Jul-14	108,640	62,400	(46,240)	40,289	102,689	(5,951)	229	200	(29)
Aug-14	103,200	78,400	(24,800)	38,915	117,315	14,115	224	224	-
Sep-14	105,600	71,200	(34,400)	38,094	109,294	3,694	211	221	10
Oct-14	96,480	26,400	(70,080)	36,380	62,780	(33,700)	200	214	14
Nov-14	113,760	48,320	(65,440)	31,370	79,690	(34,070)	192	195	3
Dec-14	99,040	77,760	(21,280)	20,479	98,239	(801)	194	230	36
Jan-15	112,640	81,600	(31,040)	23,842	105,442	(7,198)	200	202	2
Total	1,300,320	753,760	(546,560)	453,184	1,206,944	(93,376)	2,512	2,456	(56)

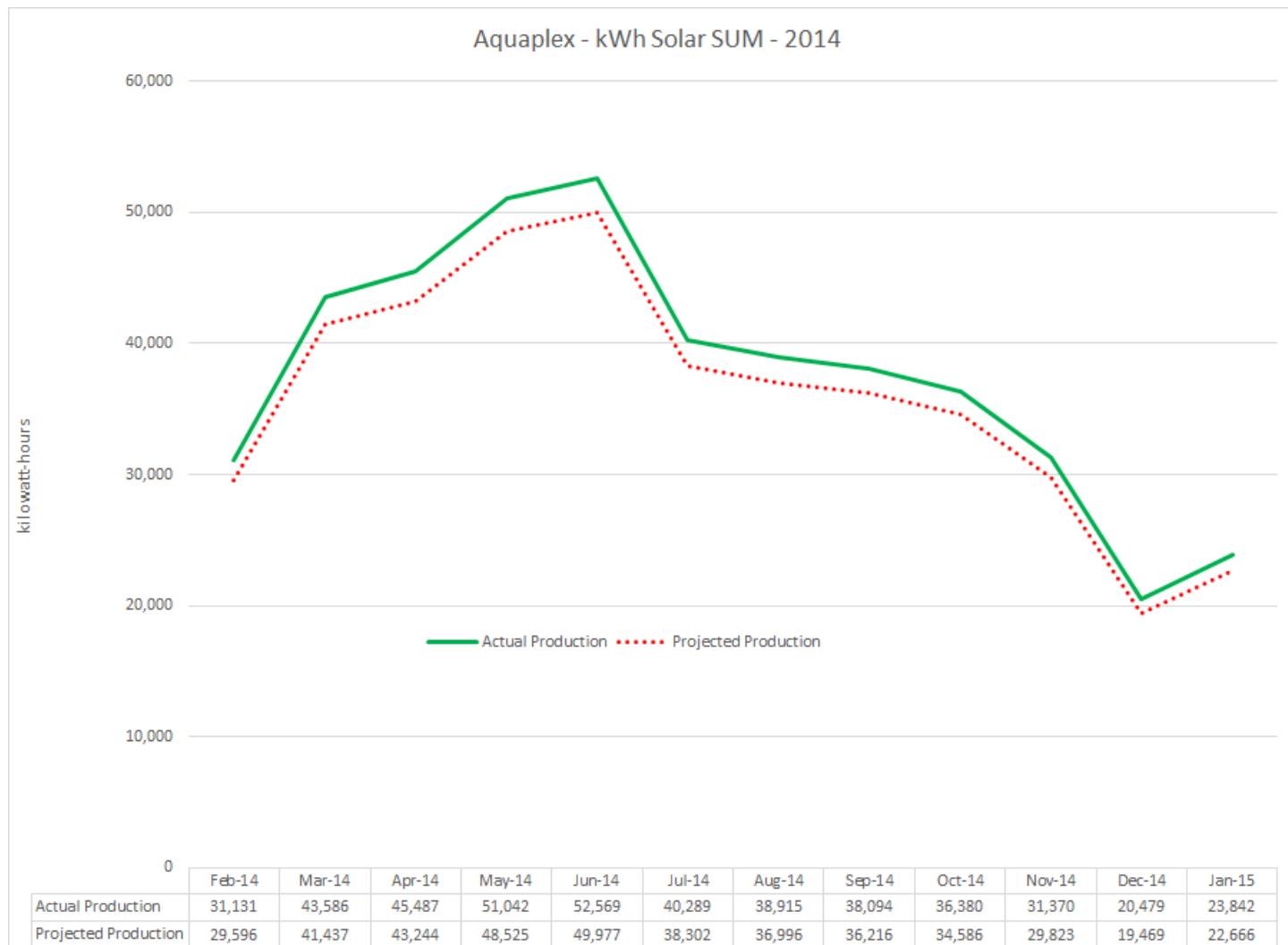


Figure 1.1. Aquaplex Production Chart

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Table 1.4. Measurement and Verification Report for the Rio de Flag site

	A	B	C = B - A	D	E = B + D	F = E - A	G	H	I = H - J
RIO DE FLAG	Pre-Solar Utility Use, kWh	Report Year Utility Use, kWh	Report Year Change in Utility Use, kWh	Report Year Solar Energy Delivered, kWh	Report Year Total Energy Use, kWh	Report Year Change in Total Use, kWh	Pre-Solar Utility Demand, kW	Report Year Utility Demand, kW	Report Year Change in Utility Demand, kW
Feb-14	149,600	117,200	(32,400)	40,487	157,687	8,087	224	240	16
Mar-14	146,400	107,600	(38,800)	53,647	161,247	14,847	216	340	124
Apr-14	149,200	114,400	(34,800)	41,759	156,159	6,959	244	384	140
May-14	174,800	111,200	(63,600)	57,231	168,431	(6,369)	320	260	(60)
Jun-14	157,200	106,400	(50,800)	60,483	166,883	9,683	248	244	(4)
Jul-14	143,200	110,800	(32,400)	43,950	154,750	11,550	268	344	76
Aug-14	134,400	123,600	(10,800)	44,154	167,754	33,354	224	360	136
Sep-14	177,600	116,800	(60,800)	45,790	162,590	(15,010)	356	240	(116)
Oct-14	170,400	45,600	(124,800)	47,078	92,678	(77,722)	336	252	(84)
Nov-14	158,400	144,000	(14,400)	42,537	186,537	28,137	220	352	132
Dec-14	145,600	123,600	(22,000)	27,520	151,120	5,520	224	252	28
Jan-15	156,400	135,600	(20,800)	34,147	169,747	13,347	252	372	120
Total	1,863,200	1,356,800	(506,400)	538,783	1,895,583	32,383	3,132	3,640	508

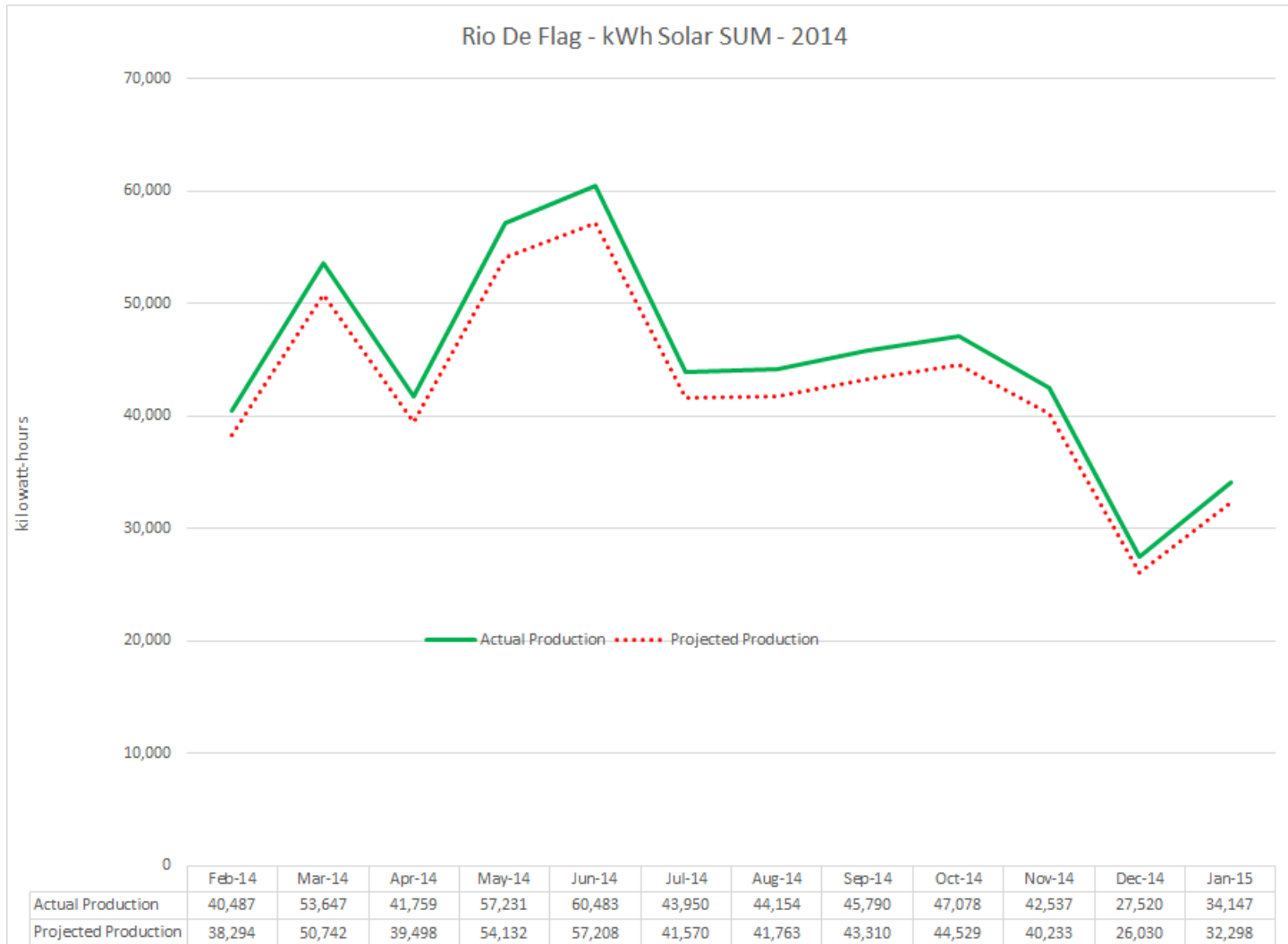


Figure 1.2. Rio de Flag Production Chart

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Table 1.5. Measurement and Verification Report for the Sun Bear (Wildcat) site

	A	B	C = B - A	D	E = B + D	F = E - A	G	H	I = H - J
SUN BEAR (WILDCAT)	Pre-Solar Utility Use, kWh	Report Year Utility Use, kWh	Report Year Change in Utility Use, kWh	Report Year Solar Energy Delivered, kWh	Report Year Total Energy Use, kWh	Report Year Change in Total Use, kWh	Pre-Solar Utility Demand, kW	Report Year Utility Demand, kW	Report Year Change in Utility Demand, kW
Feb-14	144,720	72,400	(72,320)	31,012	103,412	(41,308)	439	168	(271)
Mar-14	152,400	61,200	(91,200)	40,540	101,740	(50,660)	422	204	(218)
Apr-14	166,320	62,800	(103,520)	40,341	103,141	(63,179)	446	196	(250)
May-14	173,520	86,000	(87,520)	42,607	128,607	(44,913)	473	180	(293)
Jun-14	192,240	107,200	(85,040)	44,781	151,981	(40,259)	487	192	(295)
Jul-14	148,560	96,400	(52,160)	31,618	128,018	(20,542)	487	192	(295)
Aug-14	96,720	97,600	880	33,795	131,395	34,675	401	176	(225)
Sep-14	123,120	78,400	(44,720)	34,777	113,177	(9,943)	430	224	(206)
Oct-14	223,680	30,000	(193,680)	35,433	65,433	(158,247)	497	244	(253)
Nov-14	210,720	56,000	(154,720)	33,936	89,936	(120,784)	499	172	(327)
Dec-14	230,880	74,000	(156,880)	21,332	95,332	(135,548)	458	156	(302)
Jan-15	211,440	93,200	(118,240)	26,300	119,500	(91,940)	406	212	(194)
Total	2,074,320	915,200	(1,159,120)	416,472	1,331,672	(742,648)	5,445	2,316	(3,129)

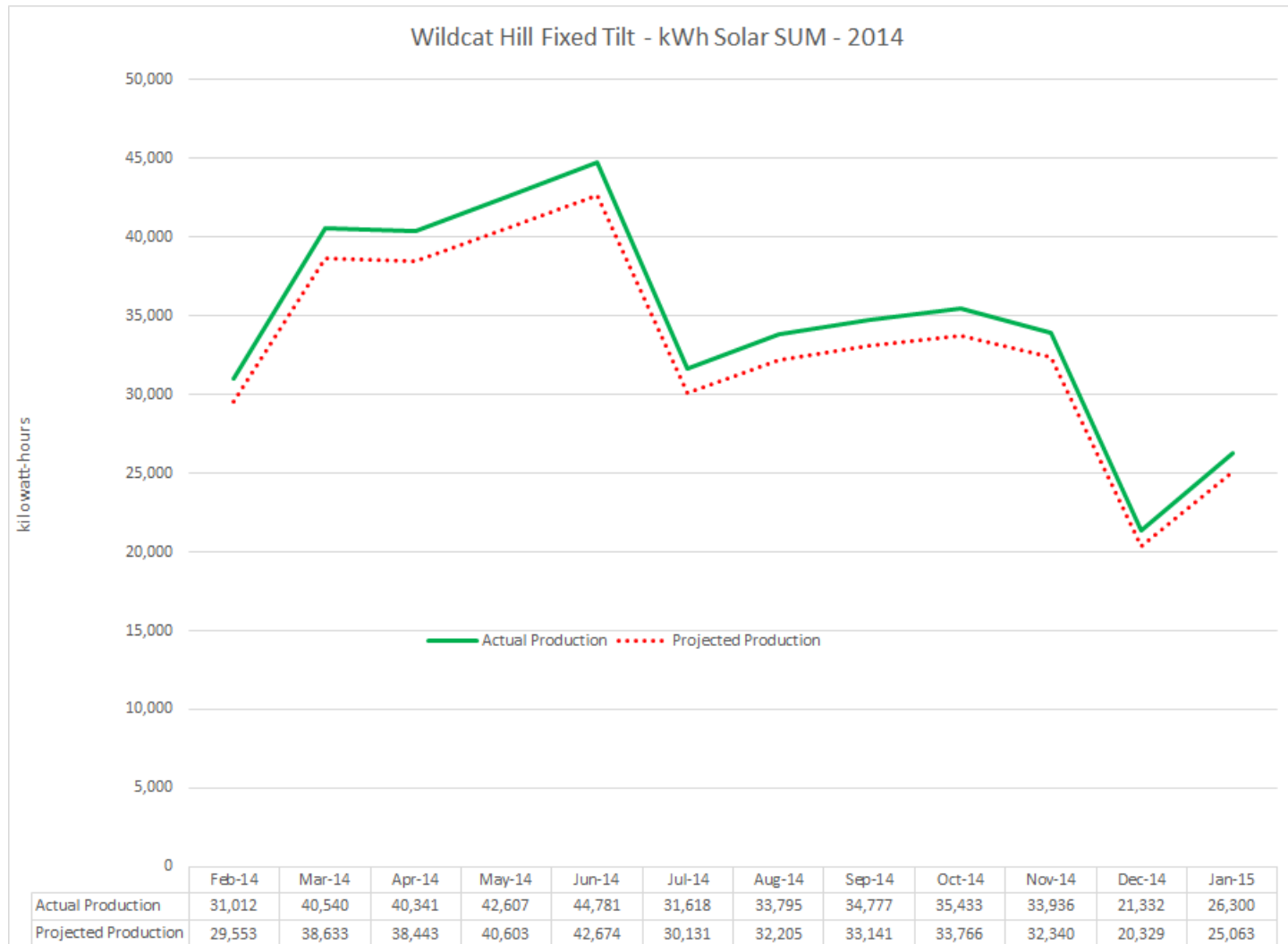


Figure 1.3. Sun Bear (Wildcat) Production Chart

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Table 1.6. Measurement and Verification Report for the City of Flagstaff Phase III Solar PV Project

	A	B	C = B - A	D	E = B + D	F = E - A	G	H	I = H - J
CITY OF FLAGSTAFF ALL SITES	Pre-Solar Utility Use, kWh	Report Year Utility Use, kWh	Report Year Change in Utility Use, kWh	Report Year Solar Energy Delivered, kWh	Report Year Total Energy Use, kWh	Report Year Change in Total Use, kWh	Pre-Solar Utility Demand, kW	Report Year Utility Demand, kW	Report Year Change in Utility Demand, kW
Feb-14	404,720	260,640	(144,080)	102,630	363,270	(41,450)	863	606	(257)
Mar-14	411,440	231,840	(179,600)	137,773	369,613	(41,827)	838	741	(97)
Apr-14	424,160	235,280	(188,880)	127,587	362,867	(61,293)	893	774	(119)
May-14	467,680	256,560	(211,120)	150,880	407,440	(60,240)	1,020	632	(388)
Jun-14	459,360	269,760	(189,600)	157,833	427,593	(31,767)	967	625	(342)
Jul-14	400,400	269,600	(130,800)	115,857	385,457	(14,943)	984	736	(248)
Aug-14	334,320	299,600	(34,720)	116,864	416,464	82,144	849	760	(89)
Sep-14	406,320	266,400	(139,920)	118,661	385,061	(21,259)	997	685	(312)
Oct-14	490,560	102,000	(388,560)	118,891	220,891	(269,669)	1,033	710	(323)
Nov-14	482,880	248,320	(234,560)	107,843	356,163	(126,717)	911	719	(192)
Dec-14	475,520	275,360	(200,160)	69,331	344,691	(130,829)	876	638	(238)
Jan-15	480,480	310,400	(170,080)	84,289	394,689	(85,791)	858	786	(72)
Total	5,237,840	3,025,760	(2,212,080)	1,408,439	4,434,199	(803,641)	11,089	8,412	(2,677)

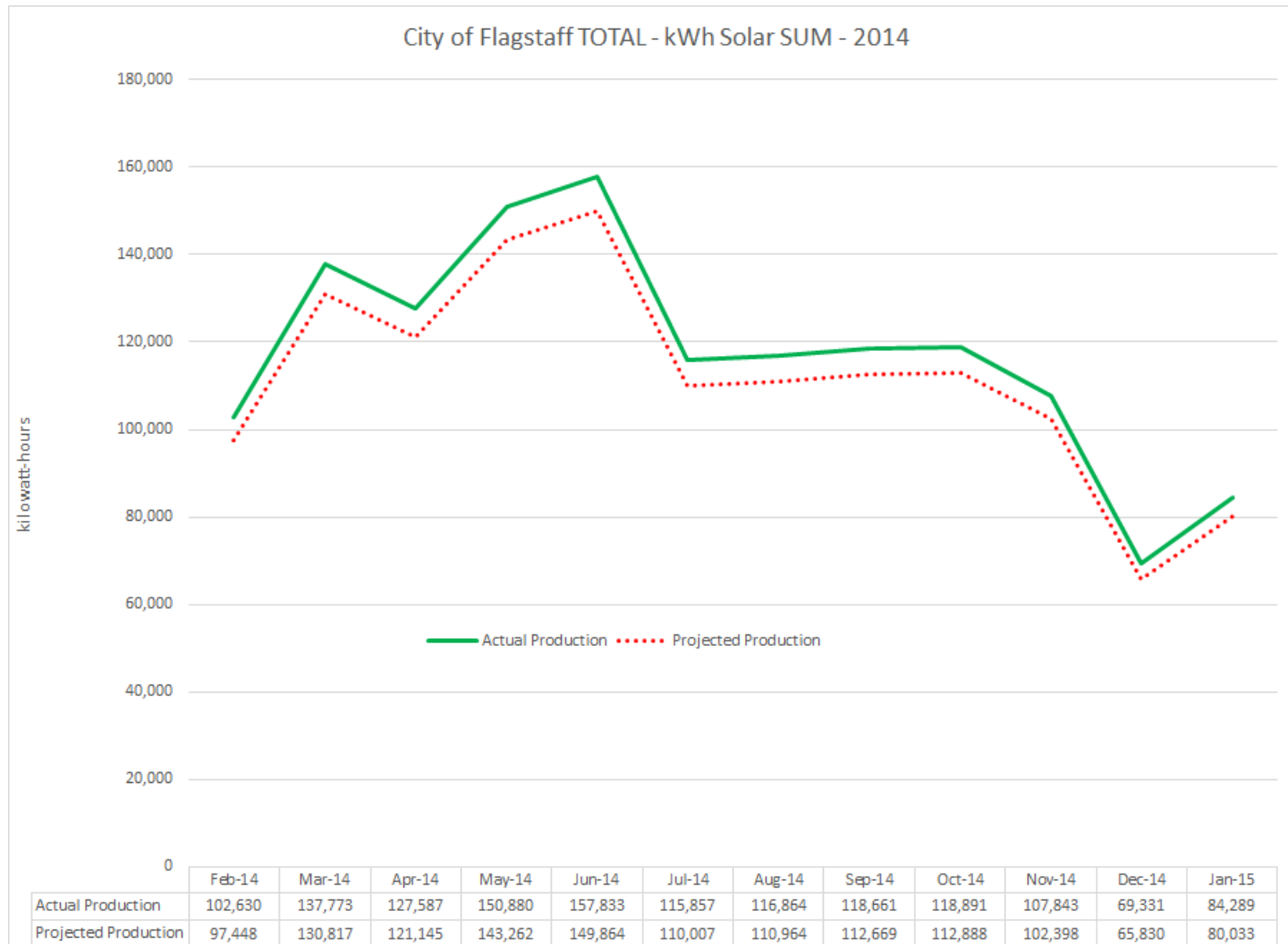


Figure 1.1. City of Flagstaff Production Chart

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1.6 Daily kWh Production

		Aquaplex - kWh Solar SUM	Rio De Flag - kWh Solar SUM	Wildcat Hill Fixed Tilt - kWh Solar SUM	City of Flagstaff TOTAL - kWh Solar SUM
2/1/2014 0:00	Feb	689	1142	866	2697
2/2/2014 0:00	Feb	1081	1403	1061	3545
2/3/2014 0:00	Feb	533	589	462	1584
2/4/2014 0:00	Feb	986	1424	818	3228
2/5/2014 0:00	Feb	700	938	593	2231
2/6/2014 0:00	Feb	424	446	385	1255
2/7/2014 0:00	Feb	382	546	704	1632
2/8/2014 0:00	Feb	1250	1644	1308	4202
2/9/2014 0:00	Feb	1259	1697	1329	4285
2/10/2014 0:00	Feb	1127	1403	919	3449
2/11/2014 0:00	Feb	1259	1635	1259	4153
2/12/2014 0:00	Feb	1261	1663	1240	4164
2/13/2014 0:00	Feb	1326	1756	1372	4454
2/14/2014 0:00	Feb	1148	1452	1059	3659
2/15/2014 0:00	Feb	1209	1560	1096	3865
2/16/2014 0:00	Feb	831	970	802	2603
2/17/2014 0:00	Feb	1394	1854	1440	4688
2/18/2014 0:00	Feb	1270	1589	1257	4116
2/19/2014 0:00	Feb	1411	1882	1458	4751
2/20/2014 0:00	Feb	1425	1895	1463	4783
2/21/2014 0:00	Feb	1423	1881	1430	4734
2/22/2014 0:00	Feb	1434	1870	1457	4761
2/23/2014 0:00	Feb	1434	1885	1486	4805
2/24/2014 0:00	Feb	1440	1894	1481	4815
2/25/2014 0:00	Feb	1142	1397	1050	3589
2/26/2014 0:00	Feb	1328	1763	1270	4361
2/27/2014 0:00	Feb	1112	1354	973	3439
2/28/2014 0:00	Feb	853	955	974	2782

		Aquaplex - kWh Solar SUM	Rio De Flag - kWh Solar SUM	Wildcat Hill Fixed Tilt - kWh Solar SUM	City of Flagstaff TOTAL - kWh Solar SUM
3/1/2014 0:00	Mar	285	309	249	843
3/2/2014 0:00	Mar	1353	1352	1278	3983
3/3/2014 0:00	Mar	1464	1842	1395	4701
3/4/2014 0:00	Mar	881	986	755	2622
3/5/2014 0:00	Mar	1402	1732	1332	4466
3/6/2014 0:00	Mar	1127	1340	1061	3528
3/7/2014 0:00	Mar	1387	1885	1365	4637
3/8/2014 0:00	Mar	1584	2052	1593	5229
3/9/2014 0:00	Mar	1612	2091	1556	5259
3/10/2014 0:00	Mar	1419	1828	1393	4640
3/11/2014 0:00	Mar	1556	1988	1480	5024
3/12/2014 0:00	Mar	1613	2088	1587	5288
3/13/2014 0:00	Mar	978	1167	796	2941
3/14/2014 0:00	Mar	1035	1322	914	3271
3/15/2014 0:00	Mar	1642	2084	1612	5338
3/16/2014 0:00	Mar	1638	2073	1590	5301
3/17/2014 0:00	Mar	1532	1983	1544	5059
3/18/2014 0:00	Mar	1654	2111	1611	5376
3/19/2014 0:00	Mar	1657	2098	1603	5358
3/20/2014 0:00	Mar	1541	1778	1370	4689
3/21/2014 0:00	Mar	1658	2076	1594	5328
3/22/2014 0:00	Mar	1324	1534	1106	3964
3/23/2014 0:00	Mar	1485	1804	1205	4494
3/24/2014 0:00	Mar	1655	2044	1571	5270
3/25/2014 0:00	Mar	1136	1299	866	3301
3/26/2014 0:00	Mar	1243	1385	958	3586
3/27/2014 0:00	Mar	1440	1732	1200	4372
3/28/2014 0:00	Mar	1676	2050	1574	5300
3/29/2014 0:00	Mar	1644	1971	1492	5107
3/30/2014 0:00	Mar	1272	1554	1273	4099
3/31/2014 0:00	Mar	1693	2089	1617	5399

		Aquaplex - kWh Solar SUM	Rio De Flag - kWh Solar SUM	Wildcat Hill Fixed Tilt - kWh Solar SUM	City of Flagstaff TOTAL - kWh Solar SUM
4/1/2014 0:00	Apr	1741	2153	1645	5539
4/2/2014 0:00	Apr	1102	1100	902	3104
4/3/2014 0:00	Apr	1348	1673	1120	4141
4/4/2014 0:00	Apr	1584	1841	1391	4816
4/5/2014 0:00	Apr	1126	1194	1071	3391
4/6/2014 0:00	Apr	1752	1673	1646	5071
4/7/2014 0:00	Apr	1765	1025	1633	4423
4/8/2014 0:00	Apr	1737	1207	1567	4511
4/9/2014 0:00	Apr	1514	1009	1302	3825
4/10/2014 0:00	Apr	1720	1238	1479	4437
4/11/2014 0:00	Apr	1571	1067	1420	4058
4/12/2014 0:00	Apr	1776	2107	1615	5498
4/13/2014 0:00	Apr	1398	1411	1246	4055
4/14/2014 0:00	Apr	1820	1311	1662	4793
4/15/2014 0:00	Apr	1597	1060	1314	3971
4/16/2014 0:00	Apr	1420	854	997	3271
4/17/2014 0:00	Apr	1764	1572	1574	4910
4/18/2014 0:00	Apr	808	489	641	1938
4/19/2014 0:00	Apr	1486	1052	1165	3703
4/20/2014 0:00	Apr	1133	810	958	2901
4/21/2014 0:00	Apr	1438	777	1130	3345
4/22/2014 0:00	Apr	1563	1015	1297	3875
4/23/2014 0:00	Apr	1645	1204	1505	4354
4/24/2014 0:00	Apr	1704	1978	1486	5168
4/25/2014 0:00	Apr	1818	2180	1588	5586
4/26/2014 0:00	Apr	100	253	407	760
4/27/2014 0:00	Apr	1414	1846	1640	4900
4/28/2014 0:00	Apr	1855	2170	1585	5610
4/29/2014 0:00	Apr	1895	2255	1685	5835
4/30/2014 0:00	Apr	1893	2235	1670	5798

		Aquaplex - kWh Solar SUM	Rio De Flag - kWh Solar SUM	Wildcat Hill Fixed Tilt - kWh Solar SUM	City of Flagstaff TOTAL - kWh Solar SUM
5/1/2014 0:00	May	1878	2169	1616	5663
5/2/2014 0:00	May	1797	2027	1574	5398
5/3/2014 0:00	May	1843	2094	1593	5530
5/4/2014 0:00	May	1859	2119	1604	5582
5/5/2014 0:00	May	1804	2052	1577	5433
5/6/2014 0:00	May	1662	1842	1415	4919
5/7/2014 0:00	May	1310	1421	953	3684
5/8/2014 0:00	May	1485	1608	1281	4374
5/9/2014 0:00	May	1869	2121	1591	5581
5/10/2014 0:00	May	1834	2070	1568	5472
5/11/2014 0:00	May	1570	1939	1518	5027
5/12/2014 0:00	May	1876	2135	1557	5568
5/13/2014 0:00	May	1933	2243	1675	5851
5/14/2014 0:00	May	1912	2195	1628	5735
5/15/2014 0:00	May	1870	2121	1571	5562
5/16/2014 0:00	May	1737	1875	1294	4906
5/17/2014 0:00	May	1861	2042	1557	5460
5/18/2014 0:00	May	1605	1829	1357	4791
5/19/2014 0:00	May	1908	2142	1621	5671
5/20/2014 0:00	May	1564	2170	1628	5362
5/21/2014 0:00	May	1536	1278	1362	4176
5/22/2014 0:00	May	1887	2089	1267	5243
5/23/2014 0:00	May	1418	1632	1032	4082
5/24/2014 0:00	May	1174	1157	721	3052
5/25/2014 0:00	May	1086	1176	959	3221
5/26/2014 0:00	May	1501	1821	1143	4465
5/27/2014 0:00	May	1618	1691	1214	4523
5/28/2014 0:00	May	1461	1538	1124	4123
5/29/2014 0:00	May	856	924	773	2553
5/30/2014 0:00	May	1585	1810	1374	4769
5/31/2014 0:00	May	1743	1901	1460	5104

		Aquaplex - kWh Solar SUM	Rio De Flag - kWh Solar SUM	Wildcat Hill Fixed Tilt - kWh Solar SUM	City of Flagstaff TOTAL - kWh Solar SUM
6/1/2014 0:00	Jun	1924	2116	1584	5624
6/2/2014 0:00	Jun	1860	2010	1478	5348
6/3/2014 0:00	Jun	1764	1932	1412	5108
6/4/2014 0:00	Jun	1863	2001	1455	5319
6/5/2014 0:00	Jun	1919	2097	1563	5579
6/6/2014 0:00	Jun	1898	2065	1528	5491
6/7/2014 0:00	Jun	1899	2074	1539	5512
6/8/2014 0:00	Jun	1835	2025	1444	5304
6/9/2014 0:00	Jun	1890	2074	1512	5476
6/10/2014 0:00	Jun	1800	1987	1456	5243
6/11/2014 0:00	Jun	1906	2079	1558	5543
6/12/2014 0:00	Jun	1907	2080	1547	5534
6/13/2014 0:00	Jun	1803	1993	1448	5244
6/14/2014 0:00	Jun	1938	2133	1597	5668
6/15/2014 0:00	Jun	1800	1934	1421	5155
6/16/2014 0:00	Jun	1935	2118	1571	5624
6/17/2014 0:00	Jun	1273	2075	1494	4842
6/18/2014 0:00	Jun	909	1992	1498	4399
6/19/2014 0:00	Jun	939	2057	1513	4509
6/20/2014 0:00	Jun	1323	2017	1494	4834
6/21/2014 0:00	Jun	1879	2013	1477	5369
6/22/2014 0:00	Jun	1843	1984	1504	5331
6/23/2014 0:00	Jun	1887	2055	1549	5491
6/24/2014 0:00	Jun	1890	2057	1551	5498
6/25/2014 0:00	Jun	1890	2060	1552	5502
6/26/2014 0:00	Jun	1631	1702	1311	4644
6/27/2014 0:00	Jun	1859	2030	1528	5417
6/28/2014 0:00	Jun	1863	2014	1524	5401
6/29/2014 0:00	Jun	1865	2012	1524	5401
6/30/2014 0:00	Jun	1577	1697	1149	4423

		Aquaplex - kWh Solar SUM	Rio De Flag - kWh Solar SUM	Wildcat Hill Fixed Tilt - kWh Solar SUM	City of Flagstaff TOTAL - kWh Solar SUM
7/1/2014 0:00	Jul	1189	1116	944	3249
7/2/2014 0:00	Jul	823	860	519	2202
7/3/2014 0:00	Jul	1278	1303	812	3393
7/4/2014 0:00	Jul	987	1042	917	2946
7/5/2014 0:00	Jul	1295	1505	1005	3805
7/6/2014 0:00	Jul	1081	1109	882	3072
7/7/2014 0:00	Jul	824	923	582	2329
7/8/2014 0:00	Jul	1469	1576	1087	4132
7/9/2014 0:00	Jul	959	1026	780	2765
7/10/2014 0:00	Jul	1644	1709	1425	4778
7/11/2014 0:00	Jul	1553	1639	1126	4318
7/12/2014 0:00	Jul	1539	1812	1016	4367
7/13/2014 0:00	Jul	1361	1488	1054	3903
7/14/2014 0:00	Jul	1333	1547	1173	4053
7/15/2014 0:00	Jul	940	1040	771	2751
7/16/2014 0:00	Jul	1184	1362	851	3397
7/17/2014 0:00	Jul	1780	1923	1388	5091
7/18/2014 0:00	Jul	1709	1951	1443	5103
7/19/2014 0:00	Jul	1261	1375	910	3546
7/20/2014 0:00	Jul	1467	1612	1231	4310
7/21/2014 0:00	Jul	1803	2012	1493	5308
7/22/2014 0:00	Jul	1345	1445	895	3685
7/23/2014 0:00	Jul	1093	1219	873	3185
7/24/2014 0:00	Jul	869	915	643	2427
7/25/2014 0:00	Jul	1447	1722	1388	4557
7/26/2014 0:00	Jul	1604	1653	1151	4408
7/27/2014 0:00	Jul	1359	1449	1048	3856
7/28/2014 0:00	Jul	1061	1181	893	3135
7/29/2014 0:00	Jul	1499	1695	1303	4497
7/30/2014 0:00	Jul	1642	1876	1456	4974
7/31/2014 0:00	Jul	891	865	559	2315

		Aquaplex - kWh Solar SUM	Rio De Flag - kWh Solar SUM	Wildcat Hill Fixed Tilt - kWh Solar SUM	City of Flagstaff TOTAL - kWh Solar SUM
8/1/2014 0:00	Aug	702	765	566	2033
8/2/2014 0:00	Aug	1205	1295	945	3445
8/3/2014 0:00	Aug	980	1191	977	3148
8/4/2014 0:00	Aug	1776	2020	1562	5358
8/5/2014 0:00	Aug	1795	2004	1521	5320
8/6/2014 0:00	Aug	1664	1915	1497	5076
8/7/2014 0:00	Aug	1807	2013	1525	5345
8/8/2014 0:00	Aug	1694	1950	1431	5075
8/9/2014 0:00	Aug	1353	1497	1134	3984
8/10/2014 0:00	Aug	1429	1514	1189	4132
8/11/2014 0:00	Aug	744	934	746	2424
8/12/2014 0:00	Aug	941	1021	627	2589
8/13/2014 0:00	Aug	725	799	596	2120
8/14/2014 0:00	Aug	1621	1843	1442	4906
8/15/2014 0:00	Aug	1234	1365	987	3586
8/16/2014 0:00	Aug	1327	1445	1117	3889
8/17/2014 0:00	Aug	1126	1104	821	3051
8/18/2014 0:00	Aug	900	1015	750	2665
8/19/2014 0:00	Aug	519	522	420	1461
8/20/2014 0:00	Aug	1398	1593	1338	4329
8/21/2014 0:00	Aug	666	643	485	1794
8/22/2014 0:00	Aug	1096	1473	1004	3573
8/23/2014 0:00	Aug	1162	1571	1127	3860
8/24/2014 0:00	Aug	1485	1629	1480	4594
8/25/2014 0:00	Aug	984	1072	916	2972
8/26/2014 0:00	Aug	513	594	473	1580
8/27/2014 0:00	Aug	1277	1365	1004	3646
8/28/2014 0:00	Aug	1693	2002	1549	5244
8/29/2014 0:00	Aug	1697	2001	1508	5206
8/30/2014 0:00	Aug	1685	1963	1493	5141
8/31/2014 0:00	Aug	1717	2036	1565	5318

		Aquaplex - kWh Solar SUM	Rio De Flag - kWh Solar SUM	Wildcat Hill Fixed Tilt - kWh Solar SUM	City of Flagstaff TOTAL - kWh Solar SUM
9/1/2014 0:00	Sep	1690	1987	1520	5197
9/2/2014 0:00	Sep	1686	1987	1530	5203
9/3/2014 0:00	Sep	1696	2018	1549	5263
9/4/2014 0:00	Sep	699	850	671	2220
9/5/2014 0:00	Sep	1118	1322	972	3412
9/6/2014 0:00	Sep	1261	1480	1153	3894
9/7/2014 0:00	Sep	1014	1321	1009	3344
9/8/2014 0:00	Sep	859	910	797	2566
9/9/2014 0:00	Sep	1210	1381	1167	3758
9/10/2014 0:00	Sep	1650	1979	1534	5163
9/11/2014 0:00	Sep	1616	1981	1309	4906
9/12/2014 0:00	Sep	1524	1940	1449	4913
9/13/2014 0:00	Sep	1342	1414	1066	3822
9/14/2014 0:00	Sep	1363	1650	1097	4110
9/15/2014 0:00	Sep	1254	1474	1055	3783
9/16/2014 0:00	Sep	848	974	662	2484
9/17/2014 0:00	Sep	709	888	561	2158
9/18/2014 0:00	Sep	1411	1599	1141	4151
9/19/2014 0:00	Sep	707	809	608	2124
9/20/2014 0:00	Sep	1159	1367	1089	3615
9/21/2014 0:00	Sep	1380	1673	1290	4343
9/22/2014 0:00	Sep	1322	1646	1272	4240
9/23/2014 0:00	Sep	1556	1929	1492	4977
9/24/2014 0:00	Sep	1517	1886	1444	4847
9/25/2014 0:00	Sep	1472	1840	1401	4713
9/26/2014 0:00	Sep	1429	1736	1356	4521
9/27/2014 0:00	Sep	480	527	362	1369
9/28/2014 0:00	Sep	1115	1461	1219	3795
9/29/2014 0:00	Sep	1481	1867	1502	4850
9/30/2014 0:00	Sep	1526	1894	1500	4920

		Aquaplex - kWh Solar SUM	Rio De Flag - kWh Solar SUM	Wildcat Hill Fixed Tilt - kWh Solar SUM	City of Flagstaff TOTAL - kWh Solar SUM
10/1/2014 0:00	Oct	1138	1513	1177	3828
10/2/2014 0:00	Oct	1548	2005	1521	5074
10/3/2014 0:00	Oct	1522	1969	1493	4984
10/4/2014 0:00	Oct	1490	1922	1452	4864
10/5/2014 0:00	Oct	1479	1913	1449	4841
10/6/2014 0:00	Oct	1399	1745	1274	4418
10/7/2014 0:00	Oct	860	999	672	2531
10/8/2014 0:00	Oct	523	600	398	1521
10/9/2014 0:00	Oct	723	864	602	2189
10/10/2014 0:00	Oct	1187	1490	1096	3773
10/11/2014 0:00	Oct	1043	1340	1009	3392
10/12/2014 0:00	Oct	1460	1904	1454	4818
10/13/2014 0:00	Oct	1457	1903	1456	4816
10/14/2014 0:00	Oct	1417	1850	1415	4682
10/15/2014 0:00	Oct	1097	1383	1022	3502
10/16/2014 0:00	Oct	1392	1808	1375	4575
10/17/2014 0:00	Oct	557	660	455	1672
10/18/2014 0:00	Oct	938	1132	798	2868
10/19/2014 0:00	Oct	783	1078	865	2726
10/20/2014 0:00	Oct	1149	1457	1083	3689
10/21/2014 0:00	Oct	1341	1740	1323	4404
10/22/2014 0:00	Oct	1274	1680	1297	4251
10/23/2014 0:00	Oct	1131	1408	1026	3565
10/24/2014 0:00	Oct	1300	1715	1325	4340
10/25/2014 0:00	Oct	1010	1351	1057	3418
10/26/2014 0:00	Oct	1079	1369	1017	3465
10/27/2014 0:00	Oct	1273	1701	1329	4303
10/28/2014 0:00	Oct	1233	1689	1270	4192
10/29/2014 0:00	Oct	1243	1709	1296	4248
10/30/2014 0:00	Oct	1219	1640	1186	4045
10/31/2014 0:00	Oct	1115	1542	1241	3898

		Aquaplex - kWh Solar SUM	Rio De Flag - kWh Solar SUM	Wildcat Hill Fixed Tilt - kWh Solar SUM	City of Flagstaff TOTAL - kWh Solar SUM
11/1/2014 0:00	Nov	1065	1306	1141	3512
11/2/2014 0:00	Nov	505	608	551	1664
11/3/2014 0:00	Nov	946	1229	803	2978
11/4/2014 0:00	Nov	1304	1804	1397	4505
11/5/2014 0:00	Nov	1260	1748	1355	4363
11/6/2014 0:00	Nov	1225	1701	1303	4229
11/7/2014 0:00	Nov	1185	1642	1261	4088
11/8/2014 0:00	Nov	1193	1652	1270	4115
11/9/2014 0:00	Nov	1167	1598	1236	4001
11/10/2014 0:00	Nov	1126	1594	1269	3989
11/11/2014 0:00	Nov	1187	1636	1308	4131
11/12/2014 0:00	Nov	1064	1548	1221	3833
11/13/2014 0:00	Nov	1058	1343	1163	3564
11/14/2014 0:00	Nov	356	358	386	1100
11/15/2014 0:00	Nov	849	932	843	2624
11/16/2014 0:00	Nov	1240	1732	1349	4321
11/17/2014 0:00	Nov	1187	1651	1294	4132
11/18/2014 0:00	Nov	1141	1563	1237	3941
11/19/2014 0:00	Nov	973	1261	962	3196
11/20/2014 0:00	Nov	1100	1514	1208	3822
11/21/2014 0:00	Nov	825	1113	891	2829
11/22/2014 0:00	Nov	1037	1393	1104	3534
11/23/2014 0:00	Nov	1136	1594	1282	4012
11/24/2014 0:00	Nov	1113	1552	1254	3919
11/25/2014 0:00	Nov	1068	1483	1173	3724
11/26/2014 0:00	Nov	1044	1449	1157	3650
11/27/2014 0:00	Nov	1042	1436	1122	3600
11/28/2014 0:00	Nov	1035	1434	1165	3634
11/29/2014 0:00	Nov	1054	1453	1180	3687
11/30/2014 0:00	Nov	885	1210	1051	3146

		Aquaplex - kWh Solar SUM	Rio De Flag - kWh Solar SUM	Wildcat Hill Fixed Tilt - kWh Solar SUM	City of Flagstaff TOTAL - kWh Solar SUM
12/1/2014 0:00	Dec	768	966	737	2471
12/2/2014 0:00	Dec	362	421	279	1062
12/3/2014 0:00	Dec	266	324	250	840
12/4/2014 0:00	Dec	264	373	323	960
12/5/2014 0:00	Dec	345	471	255	1071
12/6/2014 0:00	Dec	371	409	321	1101
12/7/2014 0:00	Dec	944	1263	1038	3245
12/8/2014 0:00	Dec	705	878	715	2298
12/9/2014 0:00	Dec	429	538	450	1417
12/10/2014 0:00	Dec	718	953	691	2362
12/11/2014 0:00	Dec	864	1145	904	2913
12/12/2014 0:00	Dec	632	860	612	2104
12/13/2014 0:00	Dec	616	774	533	1923
12/14/2014 0:00	Dec	1029	1412	1149	3590
12/15/2014 0:00	Dec	725	903	640	2268
12/16/2014 0:00	Dec	674	918	718	2310
12/17/2014 0:00	Dec	256	308	259	823
12/18/2014 0:00	Dec	30	253	43	326
12/19/2014 0:00	Dec	622	1146	852	2620
12/20/2014 0:00	Dec	852	1126	853	2831
12/21/2014 0:00	Dec	868	1158	898	2924
12/22/2014 0:00	Dec	980	1346	1023	3349
12/23/2014 0:00	Dec	1044	1432	1178	3654
12/24/2014 0:00	Dec	877	1161	858	2896
12/25/2014 0:00	Dec	449	565	464	1478
12/26/2014 0:00	Dec	935	1203	1077	3215
12/27/2014 0:00	Dec	1035	1429	1149	3613
12/28/2014 0:00	Dec	666	836	675	2177
12/29/2014 0:00	Dec	1059	1466	1200	3725
12/30/2014 0:00	Dec	1040	1433	1185	3658
12/31/2014 0:00	Dec	54	50	3	107

		Aquaplex - kWh Solar SUM	Rio De Flag - kWh Solar SUM	Wildcat Hill Fixed Tilt - kWh Solar SUM	City of Flagstaff TOTAL - kWh Solar SUM
1/1/2015 0:00	Jan	10	220	138	368
1/2/2015 0:00	Jan	64	916	895	1875
1/3/2015 0:00	Jan	370	934	1122	2426
1/4/2015 0:00	Jan	901	1230	1089	3220
1/5/2015 0:00	Jan	960	1348	1070	3378
1/6/2015 0:00	Jan	1007	1416	1148	3571
1/7/2015 0:00	Jan	992	1411	1137	3540
1/8/2015 0:00	Jan	969	1377	1116	3462
1/9/2015 0:00	Jan	967	1384	1118	3469
1/10/2015 0:00	Jan	243	250	334	827
1/11/2015 0:00	Jan	481	560	378	1419
1/12/2015 0:00	Jan	579	671	484	1734
1/13/2015 0:00	Jan	299	466	431	1196
1/14/2015 0:00	Jan	615	1238	57	1910
1/15/2015 0:00	Jan	1105	1550	1215	3870
1/16/2015 0:00	Jan	1046	1448	1094	3588
1/17/2015 0:00	Jan	1057	1463	1142	3662
1/18/2015 0:00	Jan	953	1312	1002	3267
1/19/2015 0:00	Jan	889	1198	899	2986
1/20/2015 0:00	Jan	769	946	705	2420
1/21/2015 0:00	Jan	709	978	612	2299
1/22/2015 0:00	Jan	1215	1697	1334	4246
1/23/2015 0:00	Jan	1032	1371	989	3392
1/24/2015 0:00	Jan	1178	1649	1297	4124
1/25/2015 0:00	Jan	1167	1639	1283	4089
1/26/2015 0:00	Jan	863	1092	860	2815
1/27/2015 0:00	Jan	1014	1354	1107	3475
1/28/2015 0:00	Jan	1040	1388	1071	3499
1/29/2015 0:00	Jan	550	628	471	1649
1/30/2015 0:00	Jan	237	198	148	583
1/31/2015 0:00	Jan	561	815	554	1930
Totals:		453,184	538,783	416,472	1,408,439
Grand Total:	1,408,439				

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