

City of Urbana, Illinois Municipal Electric Aggregation Report 2013 Quarter 2



POWER IS MONEY.



City of Urbana 400 South Vine Street, Urbana, IL 61801 Public Works Department 706 South Glover Street, Urbana, IL 61802 http://urbanaillinois.us http//www.facebook.com/CityofUrbana The City of Urbana voters approved municipal electric aggregation in the March 20, 2012 primary. It is a way for the city to buy electricity in bulk for city residents and small businesses at a cheaper price.

The Municipal Electric Aggregation program includes the purchase of Renewable Energy Credits (REC) for all the electricity used by everyone opted into the aggregation group. The cost of the RECs is built into the \$0.04055 price per kilowatt hour paid by electricity users in the aggregation group. RECs offset the emissions generated by traditional power generation by laying claim to and accounting for the associated attributes of renewable energy generation.

The Plan of Operation and Governance that oversees the Municipal Aggregation Program calls for the winning bidder, Homefield Energy, to provide three reports to the City on a quarterly basis. Those reports are:

- **Power Mix Report.** A report showing that (1) the Supplier generated or purchased electricity with the claimed attributes in amounts sufficient to match actual consumption by customers; (2) the electricity was supplied to the interconnected grid serving the customers; and (3) the same generated electricity was not sold to more than one consumer. The report will show the source of the power and demonstrate that the power was provided in accordance with Renewable Portfolio Standards and federal Clean Air Act regulations and permits.
- **RECs Report.** A report providing competent and reliable evidence to support the fact that the Supplier purchased properly certified RECs in a sufficient quantity to offset the non-renewable energy provided in the mix.
- **Aggregation Report.** A report showing the number of customers in the Program and the total cost for energy provided to the Program as compared to the Ameren's default tariff service rates. In addition, the Supplier will report its customer education efforts.

In addition to the reporting required of the city's municipal electric aggregation vendor, city staff has also included information about electricity production in our subregion, the state, and utility company serving the region.

Homefield Energy's RECs are tracked in "M-RETs", a renewable energy credits tracking database. This tracking system is essentially a "bank account" for RECs. Renewable energy projects register with the system by providing basic information such as their size, location, owner name, and resource type (e.g. wind, solar, biomass).

As the projects operate, a qualified reporting entity reports the actual metered electric generation by the project to the tracking system. The tracking system then creates and issues RECs, each with a unique serial number, to the project's tracking system account. After the RECs are issued to buyers such as Homefield Energy, they can be transferred to a retirement account, meaning the RECs have been used for a purpose and can no longer be transferred or used for another purpose. This demonstrates compliance with renewable portfolio laws. Each REC in a tracking system has its own serial number generated by the system, allowing Homefield Energy to identify the exact RECs retired on our customers' behalf.

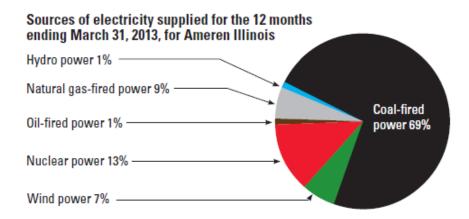


Renewable Energy Credits (RECs) were retired for 93% of Urbana's total usage. Retiring RECs is the act of purchasing and recording a REC to ensure it is only used for carbon offset purposes once. As RECs are retired, new resources must be built to meet future renewable energy requirements. As an Illinois Alternative Retail Electric Supplier (ARES), Ameren Energy Marketing (doing businesses as "Homefield Energy") is required to submit an Renewable Portfolio Standard (RPS) compliance filing with the ICC each year based on total load served during the planning year of June 1 to May 31. State RPS law requires that power companies source 7% of their generation from renewable sources. Therefore, next August when Homefield Energy submits their RPS compliance filing, they will retire RECs in accordance with the RPS to account for the 7%.

Community	100% Green	Price / kwh	Apr Billed kWh	May Billed kWh	Jun Billed kWh	Q1 2013 Billed kWh	Q1 '13 Voluntary
Urbana	Yes	0.04055	6,215,535	5,358,798	7,337,534	18,911,867	17,588
Total Usage	18,911,867	kWh					
IL RPS 7%	1,323,831	kwh					
Usage less RPS	17,588,036	kWh					
RECs for Urbana	17,588	(each REC	represent 10	00 kWh of usa	age)		

* Indicates number of accounts billed in the month. Due to bill cycles, some accounts may have billed twice in October and not in November

		# of					Customer Cost if	
Bill		Accounts		Price per		Price to	on Ameren Illinois	Customer
Month	Customer	Billed *	kWh	kwh	Customer Cost	Compare	supply	Savings
April	Urbana	11,615	6,215,535	\$0.04055	\$ 252,039.94	0.05456	\$ 339,119.59	\$ 87,079.65
May	Urbana	11,649	5,358,798	\$0.04055	\$ 217,299.26	0.05456	\$ 292,376.02	\$ 75,076.76
June	Urbana	13,909	7,337,534	\$0.04055	\$ 297,537.00	0.04680	\$ 343,396.59	\$ 45,859.59



Sources of electricity supplied for the 12 months ending March 31, 2013	Percentage of total
Biomass power	0%
Coal-fired power	69%
Hydro power	1%
Natural gas-fired power	9%
Nuclear power	13%
Oil-fired power	1%
Solar power	0%
Wind power	7%
Other resources	0%
Unknown resources purchased from other companies	0%
TOTAL	100%

AVERAGE AMOUNT OF EMISSIONS and AMOUNTS OF NUCLEAR WASTE per 1000 kilowatt-hours (kWhs) PRODUCED from KNOWN sources for the 12 months ending March 31, 2013

Carbon Dioxide	1,672 lbs
Nitrogen Oxides	1.20 lbs
Sulfur Dioxide	2.39 lbs
High-Level Nuclear Waste	0.0007 lbs
Low-Level Nuclear Waste	0.0002 ft ³

Footnote – Additional information on companies selling electrical power in Illinois may be found at the Illinois Commerce Commission's website (www.icc.illinois.gov). The disclosure of this information is required under Section 16-127 of the Electric Service Customer Choice and Rate Relief Law of 1997 and the rules of the Illinois Commerce Commission, 83 Ill. Adm. Code 421.

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	1.0518 4.4222 69.8707 77.6079 2.3652 0.1515 1.5048 0.3352 1.7869 12.9940 0.9024 0.9024 0.7271 0.4083 0.4022	0.0000 4.9759 2.3897 41.9731 15.1503 55.8586 77.3406 18.9282 18.9282 17.1304 9.5071 3.5051	2.2104 0.1206 0.1600 1.6223 0.1462 0.4808 4.5546 0.3570 0.8437 0.5982 0.3533 0.0000	2.161 2.161 3.238 1.184 1.184 1.092 0.536 5.110 1.586 1.596 0.505	1 <u>1</u>		0.0000 2.7096 4.3578 7.0413 46.5021 0.0185 0.0000 30.7898 1.2358 0.0000 0.7949 4.3045	0.0000 0.0000 2.7096 15.2608 4.3578 13.9045 7.0413 29.7601 46.5021 2.4632 0.0185 40.8410 0.0000 0.0000 30.7898 30.5892 1.2358 42.9614 0.0000 15.2782 0.7949 23.5563 4.3045 0.0000	0.0000 0.0000 0.0000 2.7096 15.2608 2.3228 4.3578 13.9045 8.6647 7.0413 29.7601 0.3110 46.5021 2.4632 3.8023 0.0185 40.8410 0.4784 0.0000 0.0000 0.0000 30.7898 30.5892 2.3530 1.2358 42.9614 0.4050 0.0000 15.2782 0.3391 0.7949 23.5563 0.9355 4.3045 0.0000 5.0659	2.7096 15.2608 2.3228 0.0000 4.3578 13.9045 8.6647 0.0000 7.0413 29.7601 0.3110 0.0000 46.5021 2.4632 3.8023 0.0000 0.0185 40.8410 0.4784 0.0000 0.0000 0.0000 0.0000 0.0000 30.7898 30.5892 2.3530 0.0000 1.2358 42.9614 0.4050 0.0055 0.0000 15.2782 0.3391 0.0000 0.7949 23.5563 0.9355 0.0000 4.3045 0.0000 5.0659 0.0412
	1.0518 4.4222 69.8707 77.6079 2.3652 0.1515 1.5048 0.3352 1.7869 12.9940 0.9024 0.9024 0.7271 0.4083 0.4022	0.0000 4.9759 2.3897 41.9731 15.1503 55.8586 77.3406 18.9282 17.1304 9.5071 3.5051	2.2104 0.1206 0.1600 1.6223 0.1462 0.4808 4.5546 0.3570 0.8437 0.5982 0.3533	3.348 2.161 3.238 1.184 5.915 0.535 5.110 1.595 1.595 1.321 1.321	7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.0000 2.7096 4.3578 7.0413 46.5021 0.0185 0.0000 30.7898 1.2358 0.0000 0.7949	0.0000 0.0000 2.7096 15.2608 4.3578 13.9045 7.0413 29.7601 46.5021 2.4632 0.0185 40.8410 0.0000 0.0000 30.7898 30.5892 1.2358 42.9614 0.0000 15.2782 0.7949 23.5563	0.0000 0.0000 0.0000 2.7096 15.2608 2.3228 4.3578 13.9045 8.6647 7.0413 29.7601 0.3110 46.5021 2.4632 3.8023 0.0185 40.9410 0.4784 0.0000 0.0000 0.0000 30.7898 30.5892 2.3530 1.2358 42.9614 0.4050 0.0000 15.2782 0.3391 0.7949 23.5563 0.9355	2.7096 15.2608 2.3228 0.0000 4.3578 13.9045 8.6647 0.0000 7.0413 29.7601 0.3110 0.0000 46.5021 2.4632 3.8023 0.0000 0.0185 40.8410 0.4784 0.0000 0.0000 0.0000 0.0000 0.0000 30.7898 30.5892 2.3530 0.0000 1.2358 42.9614 0.4050 0.0055 0.0000 15.2782 0.3391 0.0000 0.7949 23.5563 0.9355 0.0000
	1.0518 4.4222 69.8707 77.6079 2.3852 0.1515 1.5048 0.3352 1.7869 1.7869 1.7869 1.29940 0.9024 0.7271 0.4093	0.0000 4.9759 2.3897 41.9731 15.1503 55.8586 77.3406 18.9282 17.1304 9.5071	2.2104 0.1206 0.1600 1.6223 0.1462 0.4808 4.5546 0.3570 0.8437 0.5982	3.348 2.161 3.238 5.915 5.915 5.110 1.092 1.596 1.596 1.321			0.0000 2.7096 4.3578 7.0413 46.5021 0.0185 0.0000 30.7898 1.2358 0.0000	0.0000 0.0000 2.7096 15.2608 4.3578 13.9045 7.0413 29.7601 46.5021 2.4632 0.0185 40.8410 0.0000 0.0000 30.7898 30.5892 1.2358 42.9614 0.0000 15.2782	0.0000 0.0000 0.0000 2.7096 15.2608 2.3228 4.3578 13.9045 8.6647 7.0413 29.7601 0.3110 46.5021 2.4632 3.8023 0.0185 40.9410 0.4784 0.0000 0.0000 0.0000 30.7898 30.5892 2.3530 1.2358 42.9614 0.4050 0.0000 15.2782 0.3391	2.7096 15.2608 2.3228 0.0000 4.3578 13.9045 8.6647 0.0000 7.0413 29.7601 0.3110 0.0000 46.5021 2.4632 3.8023 0.0000 0.0185 40.8410 0.4784 0.0000 0.0000 0.0000 0.0000 0.0000 30.7898 30.5892 2.3530 0.0000 1.2358 42.9614 0.4050 0.0055 0.0000 15.2782 0.3391 0.0000
	1.0518 4.4222 69.8707 77.6079 2.3852 0.1515 1.5048 0.3352 1.7869 1.7869 1.29940 0.9024	0.0000 4.9759 2.3897 41.9731 15.1503 55.8586 77.3406 18.9282 17.1304	2.2104 0.1206 0.1600 1.6223 0.1462 0.4808 4.5546 0.3570 0.8437	2.161 3.238 5.915 1.092 0.535 5.110 1.595			0.0000 2.7096 4.3578 7.0413 46.5021 0.0185 0.0000 30.7898 1.2358	0.0000 0.0000 2.7096 15.2608 4.3578 13.9045 7.0413 29.7601 46.5021 2.4632 0.0185 40.8410 0.0000 0.0000 30.7898 30.5892 1.2358 42.9614	0.0000 0.0000 0.0000 2.7096 15.2608 2.3228 4.3578 13.9045 8.6647 7.0413 29.7601 0.3110 46.5021 2.4632 3.8023 0.0185 40.8410 0.4784 0.0000 0.0000 0.0000 30.7898 30.5892 2.3530 1.2358 42.9614 0.4050	2.7096 15.2608 2.3228 0.0000 4.3578 13.9045 8.6647 0.0000 7.0413 29.7601 0.3110 0.0000 46.5021 2.4632 3.8023 0.0000 0.0185 40.8410 0.4784 0.0000 0.0000 0.0000 0.0000 0.0000 30.7898 30.5892 2.3530 0.0000 1.2358 42.9614 0.4050 0.0055
	1.0518 4.4222 69.8707 77.6079 2.3852 0.1515 1.5048 0.3352 1.7869 1.7869 1.29940	0.0000 4.9759 2.3997 41.9731 15.1503 55.8586 77.3406 18.9282	2.2104 0.1206 0.1600 1.6223 0.1462 0.4808 4.5546 0.3570	3.348 3.238 1.184 5.915 5.915 5.110 5.110	0 8 7 7 8 4 7 5		0.0000 2.7096 4.3578 7.0413 46.5021 0.0185 0.0000 30.7898	0.0000 0.0000 2.7096 15.2608 4.3578 13.9045 7.0413 29.7601 46.5021 2.4632 0.0185 40.8410 0.0000 0.0000 30.7898 30.5892	0.0000 0.0000 0.0000 2.7096 15.2608 2.3228 4.3578 13.9045 8.6647 7.0413 29.7601 0.3110 46.5021 2.4632 3.8023 0.0185 40.8410 0.4784 0.0000 0.0000 0.0000 30.7898 30.5892 2.3530	2.7096 15.2608 2.3228 0.0000 4.3578 13.9045 8.6647 0.0000 7.0413 29.7601 0.3110 0.0000 46.5021 2.4632 3.8023 0.0000 0.0185 40.8410 0.4784 0.0000 0.0000 0.0000 0.0000 0.0000 30.7898 30.5892 2.3530 0.0000
	1.0518 4.4222 69.8707 77.6079 2.3652 0.1515 1.5048 0.3352 1.7869 1.29940	0.0000 4.9759 2.3997 41.9731 15.1503 55.8586 77.3406	2.2104 0.1206 0.1600 1.6223 0.1462 0.4808 4.5546	3.348 2.161 3.238 1.184 5.915 1.092 0.535 5.110	8 57 27 8 4 57		0.0000 2.7096 4.3578 7.0413 46.5021 0.0185 0.0000	0.0000 0.0000 2.7096 15.2608 4.3578 13.9045 7.0413 29.7601 46.5021 2.4632 0.0185 40.8410 0.0000 0.0000	0.0000 0.0000 0.0000 2.7096 15.2608 2.3228 4.3578 13.9045 8.6647 7.0413 29.7601 0.3110 46.5021 2.4632 3.8023 0.0185 40.8410 0.4784 0.0000 0.0000 0.0000	2.7096 15.2608 2.3228 0.0000 4.3578 13.9045 8.6647 0.0000 7.0413 29.7601 0.3110 0.0000 46.5021 2.4632 3.8023 0.0000 0.0185 40.8410 0.4784 0.0000 0.0000 0.0000 0.0000 0.0000
	1.0518 4.4222 69.8707 77.6079 2.3652 0.1515 0.1515 1.5048 0.3352 1.7869	0.0000 4.9759 2.3997 41.9731 15.1503 55.8586	2.2104 0.1206 0.1600 1.6223 0.1462 0.4808	3.348 2.16 3.238 1.18 5.918 1.092 0.538	5 27 8 4 3 5		0.0000 2.7096 4.3578 7.0413 46.5021 0.0185	0.0000 0.0000 2.7096 15.2608 4.3578 13.9045 7.0413 29.7601 46.5021 2.4632 0.0185 40.8410	0.0000 0.0000 0.0000 2.7096 15.2608 2.3228 4.3578 13.9045 8.6647 7.0413 29.7601 0.3110 46.5021 2.4632 3.8023 0.0185 40.8410 0.4784	2.7096 15.2608 2.3228 0.0000 4.3578 13.9045 8.6647 0.0000 7.0413 29.7601 0.3110 0.0000 46.5021 2.4632 3.8023 0.0000 0.0185 40.8410 0.4784 0.0000
	1.0518 4.4222 69.8707 77.6079 2.3652 0.1515 1.5048 0.3352	0.0000 4.9759 2.3997 41.9731 15.1503	2.2104 0.1206 0.1600 1.6223 0.1462	3.348 2.161 3.238 1.184 5.915 1.092	7 8 4 5	4	0.0000 2.7096 4.3578 7.0413 46.5021	0.0000 0.0000 2.7096 15.2608 4.3578 13.9045 7.0413 29.7601 46.5021 2.4632	0.0000 0.0000 0.0000 2.7096 15.2608 2.3228 4.3578 13.9045 8.6647 7.0413 29.7601 0.3110 46.5021 2.4632 3.8023	2.7096 15.2608 2.3228 0.0000 4.3578 13.9045 8.6647 0.0000 7.0413 29.7601 0.3110 0.0000 46.5021 2.4632 3.8023 0.0000
	1.0518 4.4222 69.8707 77.6079 2.3652 0.1515 1.5048	0.0000 4.9759 2.3997 41.9731	2.2104 0.1206 0.1600 1.6223	3.348 2.16 3.238 1.184 5.918	8 4 3 5		0.0000 2.7096 4.3578 7.0413	0.0000 0.0000 2.7096 15.2608 4.3578 13.9045 7.0413 29.7601	0.0000 0.0000 0.0000 2.7096 15.2608 2.3228 4.3578 13.9045 8.6647 7.0413 29.7601 0.3110	2.7096 15.2608 2.3228 0.0000 4.3578 13.9045 8.6647 0.0000 7.0413 29.7601 0.3110 0.0000
	1.0518 4.4222 69.8707 77.6079 2.3652 0.1515	0.0000 4.9759 2.3997	2.2104 0.1206 0.1600	3.34 2.16 3.238 1.18	4 3 5		0.0000 2.7096 4.3578	0.0000 0.0000 2.7096 15.2608 4.3578 13.9045	0.0000 0.0000 0.0000 2.7096 15.2608 2.3228 4.3578 13.9045 8.6647	2.7096 15.2608 2.3228 0.0000 4.3578 13.9045 8.6647 0.0000
	1.0518 4.4222 69.8707 77.6079 2.3652	0.0000	2.2104 0.1206	2.16 3.23	81		0.0000 2.7096	0.0000 0.0000 2.7096 15.2608	0.0000 0.0000 0.0000 2.7096 15.2608 2.3228	2.7096 15.2608 2.3228 0.0000
	1.0518 4.4222 69.8707 77.6079	0.0000	2.2104	3.34 2.16	5		0.0000	0.0000 0.0000	0.0000 0.0000 0.0000	
N	1.0518 4.4222 69.8707			3.348					010000 010110	0.0000 0.0000 0.0000
	1.0518 4.4222	0.0000	7.1345	2		3.7312		3.7312 0.0000	3.7312 0.0000 8.3278	3.7312
	BLCO'L	54.8319	0.6348	1.7398	~	3 0.0099		0.0099	0.0099 13.9907	0.0099 13.9907 0.0000
337,031,899.7 32.9816	4 0540	47.8308	0.1257	0.1215		0.1539		0.1539	0.1539 12.3127	0.1539 12.3127 5.3314
212,768,947.3 7.3284	1.3637	53.0498	0.2087	2.716	7	7 12.7172		12.7172	12.7172 14.9288	12.7172 14.9288 2.7635
186,138,763.9 38.5979	0.0598	35.6808	0.0013	0.3166		6.0901	6.0901 16.4726		16.4726	16.4726 0.5008
1,364,176.9 0.0000	31.2972	3.8526	0.0000	0.4773	~	3 63.8578	63.8578	63.8578	63.8578 0.0000	63.8578 0.0000 0.5151
5,337,982.5 11.8133	13.6743	66.0333	0.0000	0.000	00		8.4791	8.4791 0.0000 (8.4791 0.0000 0.0000 0	8.4791 0.0000 0.0000 0.0000
	<u>o</u>	Gas	fossil	Biom	lass		Hydro	Hydro Nuclear	Hydro Nuclear Wind	Hydro Nuclear Wind Solar thermal
			Other							
			Gene	rat	tion re	tion resource I	tion resource mix (perc	tion resource mix (percent)	lion resource mix (percent)	tion resource mix (percent)
Net Generation (MWh) 5,337,982.5 1,364,176.9 186,138,763.9 212,768,947.3 337,031,899.7	Coal 11.8133 0.0000 38.5979 7.3284		Oil 31.2972 1.3637 4.4222 69.8707	Oil Gas fc 13.6743 66.0333 0.0 31.2972 3.8526 0.0 0.0598 35.6808 0.0 1.3637 53.0498 0.2 1.0518 47.8308 0.2 4.4222 54.8319 0.2	Oil Gas fc 13.6743 66.0333 0.0 31.2972 3.8526 0.0 0.05598 35.6808 0.0 1.3637 53.0498 0.2 4.4222 54.8319 0.6 69.8707 0.0000 7.1	Oil Gas fc 13.6743 66.0333 0.0 31.2972 3.8526 0.0 0.0598 35.6808 0.0 1.3673 53.0498 0.2 1.0518 47.8308 0.1 4.4222 54.8319 0.6 69.8707 0.00000 7.4 77.6079 0.00000 7.4	Oil Gas fc 13.6743 66.0333 0.0 31.2972 3.8526 0.0 1.3637 53.0498 0.2 1.0518 47.8308 0.1 4.4222 54.8319 0.6 69.8707 0.0000 7.1	Generation resource mix (perce Oil Gas fossil Biomass Hydro Nuclear 13.6743 66.0333 0.0000 0.4773 63.8578 0.0000 13.6743 66.0333 0.0013 0.3166 6.0901 16.4726 1.3637 53.0498 0.2087 2.7167 12.7172 14.9288 1.0518 47.8308 0.1257 0.1215 0.1539 12.3127 4.4222 54.8319 0.6348 1.7398 0.0099 13.9907 69.8707 0.0000 7.1345 3.3481 3.7312 0.0000	Generation resource mix (percent) Oil Gas fossil Biomass Hydro Nuclear Wind 13.6743 66.0333 0.0000 0.0000 8.4791 0.0000 0.5151 13.6743 66.0333 0.0000 0.4773 63.8578 0.0000 0.5151 1.3637 53.0498 0.2087 2.7167 12.7172 14.9288 2.7635 1.0518 47.8308 0.1257 0.1215 0.1539 12.3127 5.3314 4.4222 54.8319 0.6348 1.7388 0.0099 13.9907 0.0000 4.4222 54.8319 0.6348 1.7388 0.0099 13.9907 0.0000	Generation resource mix (percent) Oil Gas fossil Biomass Hydro Nuclear Mind Solar thermal 13.6743 66.0333 0.0000 0.4773 63.8578 0.0000 0.5151 0.0000 0.0000 31.2972 3.8526 0.0013 0.3166 6.0901 16.4726 0.5008 0.1012 2.1789 1.3637 53.0498 0.2087 2.7167 12.7172 14.9288 2.7635 0.3003 4.3676 1.0518 47.8308 0.1257 0.1215 0.1539 12.3127 5.3314 0.0000 0.0000 4.4222 54.8319 0.6348 1.7398 0.0099 13.9607 0.0000 5.5510 69.8707 0.0000 7.1345 3.3481 3.7312 0.0000 8.3278 0.0460 5.5510 77.6079 0.0000 2.2104 2.1615 0.0000 0.0000 0.0000 0.0000 0.0000

The highlighted row is the subregion which contains the City of Urbana.

Year 2009 eGRID Subregion Resource Mix

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