



# Municipal Electric Aggregation



## City of Urbana, Illinois Municipal Electric Aggregation Report 2016 Quarter 2



# MUNICIPAL ELECTRIC AGGREGATION

POWER IS MONEY.



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## Background

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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 \$0.04746 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 Electric Aggregation Program calls for the winning bidder, Homefield Energy, to provide three reports to the City on a quarterly basis. Those reports are:

- **Electricity Source 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.

## Renewable Energy Credits Report – Provided By Homefield Energy

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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).

Generating Facility	Fuel Type	Certificate Type	Certificate Vintage	Generation Period	Certificate Serial Numbers	Quantity
Elm Creek 2 - Elm Creek 2	Wind	Renewable	03/2016	03/2016	772-MN-03-2016-49263-1 to 15961	15961
Elm Creek 2 - Elm Creek 2	Wind	Renewable	05/2016	05/2016	772-MN-05-2016-50200-1 to 1848	1848
Elm Creek 2 - Elm Creek 2	Wind	Renewable	02/2016	02/2016	772-MN-02-2016-48567-7662 to 7819	158

## Renewable Energy Credits Report – Provided By Homefield Energy

Renewable Energy Credits (RECs) were retired for 90% 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 90% 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 10%.

Community	100% Green	Price / kwh	Apr Billed kWh	May Billed kWh	Jun Billed kWh	Q2 2016 Billed kWh	Q2 2016 Voluntary RECs
Urbana	Yes	0.04746	6,549,039	5,335,472	8,061,826	19,946,337	17,952
Total Usage			19,946,337				
IL RPS 10%			1,994,634				
Usage less RPS			17,951,703				
RECs for Urbana			17,952				

(each REC represent 1000 kWh of usage)

# Aggregation Report – Provided By Homefield Energy

\* Indicates number of accounts billed in the month.

Bill Month	# of Accounts Billed*	kWh	Price per kwh	Customer Cost	Price to Compare	Customer Cost if on Ameren Illinois supply	Customer Savings	PEA	Total Savings w/PEA
April	13,554	6,549,039	\$0.04746	\$310,817.39	\$0.07	\$457,581.35	\$146,763.96	\$0.00139	\$137,660.80
May	13,866	5,335,472	\$0.04746	\$253,221.50	\$0.07	\$372,789.43	\$119,567.93	\$0.00052	\$116,793.48
June	12,417	8,061,826	\$0.04746	\$382,614.26	\$0.06	\$499,027.03	\$116,412.77	\$0.00128	\$106,093.63
<b>Total/Average</b>	<b>13,279</b>	<b>19,946,337</b>	<b>\$0.04746</b>	<b>\$946,653.15</b>	<b>\$0.06721</b>	<b>\$1,329,397.81</b>	<b>\$382,744.66</b>	<b>\$0.00106</b>	<b>\$360,547.91</b>