

## Municipal Electric Aggregation



### City of Urbana, Illinois Municipal Electric Aggregation Report 2015 Quarter 1



POWER IS MONEY.

### **Background**

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.

### Power Mix Report - Provided By Homefield Energy

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.

M- RETS		Fuel	Certificate	Certificate	Generation		
ID	Generating Facility	$\mathbf{Type}$	Type	Vintage	Period	Certificate Serial Numbers	Quantit
M467	Tatanka Wind Power, LLC - Tatanka Wind Power,	Wind	Renewable 07/2014	07/2014	07/2014	467-ND-07-2014-36733-1 to	27,548
	ILC					27548	

### Renewable Energy Credits Report - Provided By Homefield Energy

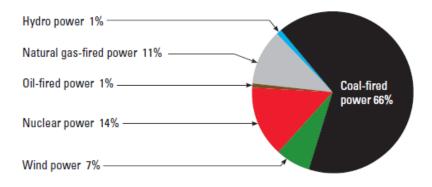
Renewable Energy Credits (RECs) were retired for 92% of Urbana's total usage. Retiring RECs is the act of purchasing and recording a REC to ensure it is only used for carbon offset purposes once. As RECs are retired, new resources must be built to meet future renewable energy requirements. As an Illinois 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 8% 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 8%.

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

ШВ		# of Accounts		Price	Customer	Price to	Customer Cost if on Ameren	Customer		Total Savings
Month	Customer	Billed *	kWh	per kwh	Cost	Compare	Illinois supply	Savings	PEA	w/PEA
January	Urbana	13,000	10,719,490	\$0.04746	\$508,747.00	0.04574	\$490,309.47	(\$18,437.52)	0.00497	-\$71,713.39
February	Urbana	12,082	9,363,565	\$0.04746	\$444,394.79	0.04547	\$425,761.30	(\$18,633.49)	0.00561	-\$71,163.09
March	Urbana	14,573	10,189,430 \$0.04746	\$0.04746	\$483,590.35	0.04547	\$463,313.38	(\$20,276.97)	0.00058	-\$26,186.84
* Indicates	number of ac	* Indicates number of accounts billed in the month.	in the month.						\$0.0037	-\$169,063.32

### Ameren Illinois

### Sources of electricity supplied for the 12 months ending June 30, 2014 for Ameren Illinois



Sources of electricity supplied for the 12 months ending June 30, 2014	Percentage of total
Biomass power	0%
Coal-fired power	66%
Hydro power	1%
Natural gas-fired power	11%
Nuclear power	14%
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 June 30, 2014 Carbon Dioxide 1,571 lbs Nitrogen Oxides 0.91 lbs Sulfur Dioxide 1.86 lbs High-Level Nuclear Waste 0.0008 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.

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

# Year 2010 eGRID Subregion Emissions - Greenhouse Gases

Total   Tota			Oarhan diovi	1001	Mothana (	2	Mitrous avid	· (2)	Oarhan diavide	la OOI traleviuna
Total	on					4		7.7.7		(-2
Comparison	regio			Total		Total		Total		
Emissions   Inchem   (Ibs)   (Ib				output		output		output		
bit of CRID subregion name         (tons)         (th/MWh)         (th/S)         (th/SWh)         (tons)           D ASCC Alaska Grid         33,50,817.0         1,256.87         139,035.5         26,075.5         26,08         38,279.9         7,18         3,382,210.3           M WECC Southwest         104,997,483.8         1,177.61         34,005.1         19.21         2,802,978.8         15,72         105,437,897.1           T ERCOT All         210,368,372         1,218.17         5,800,108.3         16,85         4,859,884.0         14.07         211,181,230.4           C FRCC All         10,376,587.7         1,196,71         5,800,108.3         16,85         4,859,884.0         14.07         211,181,230.4           L FRCOT All         10,376,587.7         1,196,71         5,800,108.3         16,85         4,859,884.0         14.07         211,181,230.4           L FRCOT CALL         10,376,587.7         1,196.71         5,800,108.3         16,85         4,859,884.0         14.07         211,181,230.4           L FRCOT CALL         10,376,587.7         1,196.71         5,872,185.4         99.30         176,679.8         22,41         6,438,522.4           L FRCOT CALL         10,372,386.3         1,872,333.6         28,782,331.9         24,29 <t< th=""><th></th><th></th><th>Emissions</th><th>emission</th><th>Emissions</th><th>emission</th><th>Emissions</th><th>emission</th><th>Emissions</th><th>Total output emission</th></t<>			Emissions	emission	Emissions	emission	Emissions	emission	Emissions	Total output emission
D ASCC Alaska Grid         3,350,817.0         1,256.87         139,035.5         26.08         38,279.9         7,18         3,358,210.3           S ASCC Miscellameous         317,398.6         448,57         26,527.0         18,74         5,208.6         36.8         318,494.5           M WECC Coulifornia         104,967,483.8         1,177.61         3,420,005.1         192.1         2,802,975.8         15,72         105,437,897.1           C FRCC Aul         210,366,837.2         1,196,71         8,478,102.7         3,844,899.1         28,49         1,278,73.3         6,03         66,039,048.8           C FRCC Aul         130,376,587.7         1,196,71         8,478,102.7         38,91         2,295,217.6         137,5         130,928,66.5           HICC Miscellameous         6,393,027.7         1,510.80         764,331.9         24,29         888,770.5         27,52         26,562,34           WIRC Colvic Miscellameous         156,444,762.4         1,563.65         842,58         43,03,901.6         16,55         3,563,543.5         3,289.1         1,375,239,680.5           E MRO East         12,291,858.7         1,336.11         1,982,854.4         99.301.6         16,598,853.4         12,29         22,6155,232.6           WERC New Stand         1,42,455,16<		eGRID subregion name	(tons)	(lb/MWh)	(lbs)	(lb/GWh)	(lbs)	(lb/GWh)	(tons)	rate (lb/MWh)
IS         ASCC Miscellaneous         317,388.6         448.57         26,527.0         18.74         5,208.6         368         318,484.5           WECC Colifornia         104,957,483.8         1,177.61         3,424,005.1         19.21         2,802,978.8         15.72         105,437,897.1           WECC Colifornia         210,356,837.2         1,218.17         5,800,108.3         16.85         4,893,884.0         14.07         211,181,230.4           FECC All         103,376,587.7         1,196,71         5,820,108.3         16.85         4,893,884.0         14.07         211,181,230.4           FECC All         130,376,587.7         1,196,71         8,478,102.7         38.91         2,995,217.6         13.75         130,529,866.5           SHCK Miscellaneous         1,963,842.7         1,330.16         218,438.7         72.90         13.88         1,972,289.1           WIRC Coll         4,963,930,27.4         1,526.8         782,844.9         93.0         176,79.8         294,985.9         13.88         1,972,289.1           WIRC Newst         1,283,653.5         842,58         4,300,916.5         16.50         5,898,974.5         28.53         5,343,513         22.21         24,156,192.9           P NPCC Upstale NY         24,166,154.6	AKGD	ASCC Alaska Grid	3,350,817.0	1,256.87	139,035.5	26.08	38,279.9	7.18	3,358,210.3	1,259.64
M         WECC Southwest         104,967,483.8         1,177.61         3,424,005.1         1921         2,802,975.8         15,72         105,437,897.1           X         WECC California         64,799,260.4         610.82         6,044.899.1         28.49         1,278,773.3         6.03         65,060,940.8           T         ERCOT All         130,376,587.7         1,196.71         5,820,108.3         16.38         4,859,884.0         14.07         211,181,230.4           F         FRCCAII         130,376,587.7         1,196.71         8478,102.7         38.91         2,952,217.6         13.75         130,929,866.5           B         HICC Miscellaneous         1,963,642.7         1,330.16         218,438.7         73.98         40,965.9         13.88         1,972,289.1           B         HICC Miscellaneous         1,563,642.7         1,300.16         218,438.7         73.98         40,965.9         13.88         1,972,289.1           B         HICC Miscellaneous         1,564,447,752.4         1,563.8         7,783,791.9         24.29         888,770.5         27.52         28,155,232.6           WRC Northwest         112,891,853.5         842,58         4,300,901.6         16.05         3,502,980.9         13.07         113,479,975.1 </td <td>- 1</td> <td>ASCC Miscellaneous</td> <td>317,398.6</td> <td>448.57</td> <td>26,527.0</td> <td>18.74</td> <td>5,208.6</td> <td>3.68</td> <td>318,484.5</td> <td>450.10</td>	- 1	ASCC Miscellaneous	317,398.6	448.57	26,527.0	18.74	5,208.6	3.68	318,484.5	450.10
IX         WECC California         64,799,260.4         610.82         6,044.809.1         28.49         1,278,773.3         6.03         65,060,940.8           T         ERCOT All         210,366,837.2         1,218.17         5,800,169.3         16.85         4,893,840         14.07         211,181,230.4           C         FRICC All         210,366,837.7         1,196.71         8,478,102.7         38.91         2,995,217.6         13.75         130,59,866.5           FRICC All         1,963,642.7         1,330.16         218,438.7         73.99         40,965.9         13.88         1,972,289.1           E         HICC Oahu         6,393,027.4         1,621.86         782,825.4         99.30         176,679.8         22.41         6,428,632.4           E         HICC Oahu         46,905,237.7         1,510.80         784,331.9         24.29         888,770.5         27.52         26,155,226           E         HICC Condu         46,905,294.7         722.07         9,322,707.0         71.76         1,685,883.4         12.98         12,785,890.5           E         HICC Condu         46,905,284.7         722.07         9,322,707.0         71.76         1,685,883.4         12.29         113,479,975.1           E <t< td=""><td>MNZA</td><td>WECC Southwest</td><td>104,967,483.8</td><td>1,177.61</td><td>3,424,005.1</td><td>19.21</td><td>2,802,975.8</td><td>15.72</td><td>105,437,897.1</td><td>1,182.89</td></t<>	MNZA	WECC Southwest	104,967,483.8	1,177.61	3,424,005.1	19.21	2,802,975.8	15.72	105,437,897.1	1,182.89
T         ERCOT All         210,366,837 2         1,218.17         5,820,108.3         16.85         4,889,884 0         14.07         211,181,20.4           C         FRCC All         130,376,587.7         1,996.71         1,916,71         28,417.7         38.91         2,995,217.6         13.75         130,299,866.5           B         HICC Miscellaneous         1,933,627.7         1,996.71         2,118,438.7         73.98         2,995,217.6         13.75         130,299,866.5           B         HICC Miscellaneous         6,393,027.4         1,621.86         782,825.4         99.30         176,679.8         22.41         6,428,632.4           B         MIRC Miscellaneous         1,66,444,752.4         1,536.36         5,809,874.5         28.53         5,364,351.3         26.29         157,335,680.5           B         MIRC Nest         112,891,563.5         842.88         4,300,916.6         16.05         3,502,909.9         13.07         113,355,880.5           P         WECC Northwest         12,735,588.6         7,2207         9,322,707.0         71.76         1,865,883.4         12.98         47,265,180.4           P         WECC Northwest         12,165,154.6         545.79         1,443,157.6         16.30         641,283.5         7.	CAMX	WECC California	64,799,260.4	610.82	6,044,809.1	28.49	1,278,773.3	6.03	65,060,940.8	613.28
C FRCC All         130,376,587.7         1,196.71         8,478,102.7         38.91         2,995,217.6         13.75         130,928,866.5           S HICC Miscellaneous         1,963,642.7         1,330.16         218,438.7         73.98         40,985.9         13.88         1,972,289.1           A HICC Oahu         6,393,027.4         1,621.86         218,438.7         73.98         40,985.9         13.88         1,972,289.1           NE MRO West         26,009,237.7         1,610.80         784,331.9         24.29         888,770.5         27.52         26,155,232.6           NE NPCC Northwest         112,891,853.5         842,58         4,300,901.6         16.05         3,524,351.3         26.29         157,335,880.5           NPCC Northwest         112,891,853.5         842,58         4,300,901.6         16.05         3,502,980.9         13.07         113,479,975.1           W NPCC Northwest         112,891,853.5         842,58         4,300,901.6         16.05         3,502,980.9         13.07         113,479,975.1           W NPCC Upstate NY         24,165,164.6         545.79         1,443,157.6         16.30         641,283.5         7.24         24,779,706.7           E RFC East         137,568,887.7         1,301.47         10,987,158.6         <	ERCT	ERCOT All	210,366,837.2	1,218.17	5,820,108.3	16.85	4,859,884.0	14.07	211,181,230.4	1,222.88
S HICC Miscellaneous         1,963,642.7         1,330.16         218,438.7         73.98         40,985.9         13.88         1,972,289.1           A HICC Oahu         6,393,027.7         1,621.86         782,825.4         99.30         176,679.8         22.41         6,428,632.4           E MRO East         26,009,237.7         1,610.80         782,825.4         99.30         176,679.8         22.41         6,428,632.4           W MRO West         156,444,752.4         1,536.36         5,809,974.5         28.53         5,354,351.3         26.29         157,335,680.5           W NPCC Northwest         11,291,883.5         842.58         4,300,901.6         16.05         3,502,980.9         13.07         113,479,975.1           W NPCC Unyekstchester         12,733,660.7         622.42         974,161.1         23.81         114,582.6         2.80         12,761,549.5           P NPCC Upstate NY         24,165,154.6         545.79         1,434,151.6         16.30         641,283.5         7.24         24,797,706.7           E RFC East         137,558,868.7         1,001.72         7,434,984.1         27.07         4,210,267.5         15.33         138,289.527.5           V REC West         449,294,271.4         1,503.47         10,897,168.6         18.2	FRCC	FRCC All	130,376,587.7	1,196.71	8,478,102.7	38.91	2,995,217.6	13.75	130,929,866.5	1,201.79
HICC Oahu	SWIH	HICC Miscellaneous	1,963,642.7	1,330.16	218,438.7	73.98	40,985.9	13.88	1,972,289.1	1,336.02
E MRO East   26,009,237,7   1,610.80   784,331.9   24.29   888,770.5   27.52   26,155,232.6     W MRO West   156,444,752.4   1,536.36   5,809,874.5   28.53   5,354,351.3   26.29   157,335,680.5     K NPCC New England   46,915,944,7   722.07   92,2777.0   71.76   1,685,853.4   12.98   47,265,180.4     W NPCC New England   46,915,944,7   722.07   92,2777.0   71.76   1,685,853.4   12.98   47,265,180.4     W NPCC New England   112,891,853.5   842.58   4,300,901.6   16.05   3,502,980.9   13.07   113,479,975.1     W NPCC Long Island   8,115,858.7   1,336.11   989,929.6   81.49   124,433.6   10.28   8,145,619.2     W NPCC Long Island   8,115,858.7   1,336.11   989,929.6   81.49   124,433.6   10.28   8,145,619.2     W NPCC Long Island   74,602,328.8   1,529.38   1,529.38   1,443,157.6   16.30   641,283.5   7.24   24,279,706.7     W NPCC Long Island   74,602,328.8   1,529.38   1,529.38   2,789,651.5   30.46   2,457,844.2   26.84   75,012,586.0     W RFC West   137,558,868.7   1,001.72   7,434,984.1   27.07   4,210,267.5   15.33   138,289,527.5     W RFC West   449,994,271.4   1,503.47   10,897,168.6   18.20   14,813,680.5   24.75   452,404,812.2     W W NPC C Rockies   61,839,528.9   1,896,74   1,477,560.7   22.66   1,904,448.4   29.21   62,150,232.8     O SPP South   117,325,297.0   1,580.60   3,444,187.9   23.20   3,095,469.5   20.85   67,502,232.8     O SPP South   117,325,297.0   1,580.60   3,444,187.9   23.20   3,095,469.5   20.85   67,842,404.8     O SERC Midwest   123,042,911.4   1,810.83   2,783,643.6   20.48   4,019,051.2   29.57   123,695,092.6     O SERC Virginia/Carolina   167,452,188.6   1,73.85   6,766,296.6   21.69   5,502,582.8   17,64   168,376,135.0     O SERC Virginia/Carolina   167,452,188.6   1,733.5   99,600,972.2   24.14   75,344,845.9   18.26   2,554,963,154.4	VOIH	HICC Oahu	6,393,027.4	1,621.86	782,825.4	99.30	176,679.8	22.41	6,428,632.4	1,630.90
MROWest   156,444,752.4   1,536.36   5,809,874.5   28.53   5,354,351.3   26.29   157,335,680.5     RPCC New England   46,905,984.7   722.07   9,322,707.0   71.76   1,685,853.4   12.98   47,265,180.4     RPCC Northwest   112,891,853.5   842.58   4,300,901.6   16.05   3,502,980.9   13.07   113,479,975.1     NPCC NYCWestchester   12,733,660.7   622.42   974,161.1   23.81   114,882.6   2.80   12,761,649.6     NPCC Upstate NY   24,165,154.6   545.79   1,443,157.6   16.30   641,283.5   7.24   24,279,706.7     NPCC Upstate NY   137,558,887.7   1,001.72   7,434,984.1   27.07   4,210,267.5   15.33   138,289,527.5     RFC West   449,942,771.4   1,503.47   10,897,168.6   18.20   14,813,680.5   24.75   452,404,812.2     NPCC Rockies   61,839,528.9   1,867.4   1,477,560.7   22.66   1,904,448.4   29.21   62,160,232.8     O SPP North   62,457,258.2   1,799.45   1,444,401.4   20.81   1,986,994.1   28.62   62,780,408.5     O SPP South   117,325,297.0   1,580.60   3,444,187.9   23.20   3,095,469.5   20.85   117,841,258.7     V SERC Micwest   123,042,911.4   1,810.83   2,783,643.6   20.48   4,019,051.2   29.57   123,695,092.6     O SERC South   183,236,856.9   1,354.09   6,176,437.4   22.82   5,653,138.2   20.89   184,177,945.9     V SERC Virginia/Carolina   167,452,188.6   1,073.65   6,766,296.6   21.69   5,502,582.8   17.64   168,376,135.0     O SERC South   2,542,238,893.0   1,232.35   99,600,972.2   24.14   75,344,845.9   18.26   2,554,963,154.4     O SERC South   2,542,238,893.0   1,232.35   99,600,972.2   24.14   75,344,845.9   18.26   2,554,963,154.4     O SERC South   2,542,238,893.0   1,232.35   99,600,972.2   24.14   75,344,845.9   18.26   2,554,963,154.4     O SERC South   2,542,238,893.0   2,365,236.5   2,600,972.2   24.14   75,344,845.9   18.26   2,554,963,154.4     O SERC South   2,542,238,893.0   2,365,236.5   2,666,296.6   2,669,494.5   2,564,963,154.4     O SERC South   2,542,238,893.0   2,366,236.5   2,666,296.6   2,666,296.6   2,666,296.8   2,666,296.8   2,666,296.8   2,666,296.8   2,666,296.8   2,666,296.8	MROE	MRO East	26,009,237.7	1,610.80	784,331.9	24.29	888,770.5	27.52	26,155,232.6	1,619.84
Fig.   NPCC New England   46,905,984.7   722.07   9,322,707.0   71.76   1,685,853.4   12.98   47,265,180.4     P   WECC Northwest   112,891,853.5   842.58   4,300,901.6   16.05   3,502,980.9   13.07   113,479,975.1     W   NPCC NYC/Westchester   12,733,660.7   622.42   974,161.1   23.81   114,582.6   2.80   12,761,649.6     NPCC Long Island   8,115,888.7   1,336.11   989,929.6   81.49   124,943.6   10.28   8,145,619.2     NPCC Upstate NY   24,165,154.6   545.79   1,443,157.6   16.30   641,283.5   7,24   24,279,706.7     P   NPCC Upstate NY   24,165,154.6   545.79   1,443,157.6   16.30   641,283.5   7,24   24,279,706.7     P   NPCC Upstate NY   24,165,154.6   545.79   1,443,157.6   16.30   641,283.5   7,24   24,279,706.7     P   NPCC Upstate NY   24,165,154.6   545.79   1,443,157.6   16.30   641,283.5   7,24   24,279,706.7     P   NPCC Upstate NY   24,165,154.6   545.79   1,443,157.6   16.30   641,283.5   7,24   24,279,706.7     P   NPCC Upstate NY   24,165,154.6   545.79   1,443,157.6   16.30   641,283.5   7,24   24,279,706.7     P   NPCC Upstate NY   24,165,154.6   545.79   1,443,157.6   16.30   641,283.5   7,24   24,279,706.7     P   NPCC Upstate NY   24,165,154.6   545.79   1,443,157.6   16.30   641,283.5   7,24   24,279,706.7     P   NPCC Upstate NY   24,279,728.8   1,629.38   1,629.38   1,629.38   1,629.38   1,629.38   1,629.38   1,629.38   1,629.38   1,629.38   1,629.38   1,629.38   1,629.38   1,629.38   1,629.38   1,443,157.5   1,633   1,944.84   29.21   62,150,232.8     O   SPP South   24,234,249.13   1,808.3   2,783,643.6   2,484   2,921   2,921   2,621,408.5     O   SPP South   24,244,249.13   2,444,491.4   2,444,491.4   2,444,491.3   2,444,491.3     O   SPP South   24,244,491.3   2,444,491.4   2,444,491.3   2,	MROW	MRO West	156,444,752.4	1,536.36	5,809,874.5	28.53	5,354,351.3	26.29	157,335,680.5	1,545.11
PV         WECC Northwest         112,891,853.5         842,58         4,300,901.6         16.05         3,502,980.9         13.07         113,479,975.1           W         NPCC NYC/Westchester         12,733,660.7         622,42         974,161.1         23.81         114,582.6         2.80         12,761,649.6           I         NPCC Long Island         8,115,858.7         1,336.11         989,929.6         81.49         124,943.6         10.28         8,145,619.2           P         NPCC Long Island         8,115,858.7         1,336.11         989,929.6         81.49         124,943.6         10.28         8,145,619.2           P         NPCC Upstate NY         24,165,154.6         545.79         1,443,157.6         16.30         641,283.5         7.24         24,279,706.7           E         RFC East         137,558,868.7         1,001.72         7,434,984.1         27.07         4,210,267.5         15.33         138,289,527.5           MRFC Michigan         74,602,328.8         1,629.38         2,789,651.5         30.46         2,457,844.2         26.84         75,012,586.0           W RFC West         449,994,271.4         1,503.47         10,897,168.6         18.20         14,813,680.5         24.75         452,404,812.2           <	NEWE	NPCC New England	46,905,984.7	722.07	9,322,707.0	71.76	1,685,853.4	12.98	47,265,180.4	727.60
W NPCC NYC/Westchester         12,733,660,7         622.42         974,161.1         23.81         114,582.6         2.80         12,761,649.6           I NPCC Long Island         8,115,858.7         1,336.11         989,929.6         81.49         124,943.6         10.28         8,145,619.2           P NPCC Upstate NY         24,165,154.6         545.79         1,443,157.6         16.30         641,283.5         7.24         24,279,706.7           E RFC East         137,558,868.7         1,001.72         7,434,984.1         27.07         4,210,267.5         15.33         138,289,527.5           M RFC Michigan         74,602,328.8         1,629.38         2,789,651.5         30.46         2,457,844.2         26.84         75,012,586.0           W RFC West         449,942,271.4         1,503.47         10,897,168.6         18.20         14,813,680.5         24.75         452,404,812.2           V WECC Rockies         61,839,528.9         1,896.74         1,477,560.7         22.66         1,904,448.4         29.21         62,150,232.8           O SPP South         117,325,297.0         1,580.60         3,444,187.9         23.20         3,095,469.5         20.85         117,841,258.7           V SERC Mississippi Valley         90,967,299.2         1,029.82         3,	NWPP	WECC Northwest	112,891,853.5	842.58	4,300,901.6	16.05	3,502,980.9	13.07	113,479,975.1	846.97
PRCC Long Island         8,115,858.7         1,336.11         989,929.6         81.49         124,943.6         10.28         8,145,619.2           P NPCC Upstate NY         24,165,154.6         545.79         1,443,157.6         16.30         641,283.5         7.24         24,279,706.7           E RFC East         137,558,868.7         1,001.72         7,434,984.1         27.07         4,210,267.5         15.33         138,289,527.5           M RFC Michigan         74,602,328.8         1,629.38         2,789,651.5         30.46         2,457,844.2         26.84         75,012,586.0           W RFC West         449,994,271.4         1,503.47         10,897,168.6         18.20         14,813,680.5         24.75         452,404,812.2           O SPP North         62,457,258.2         1,799.45         1,447,760.7         22.66         1,904,448.4         29.21         62,150,232.8           O SPP South         117,325,297.0         1,580.60         3,444,187.9         23.20         3,095,469.5         20.85         117,841,258.7           V SERC Mississippi Valley         90,967,299.2         1,029.82         3,650,522.7         20.66         1,900,187.0         10.76         91,300,158.7           V SERC Tennessee Valley         163,960,526.8         1,389.20 <t< td=""><td>NYCW</td><td>NPCC NYC/Westchester</td><td>12,733,660.7</td><td>622.42</td><td>974,161.1</td><td>23.81</td><td>114,582.6</td><td>2.80</td><td>12,761,649.6</td><td>623.78</td></t<>	NYCW	NPCC NYC/Westchester	12,733,660.7	622.42	974,161.1	23.81	114,582.6	2.80	12,761,649.6	623.78
P         NPCC Upstate NY         24,165,154.6         545.79         1,443,157.6         16.30         641,283.5         7.24         24,279,706.7           E         RFC East         137,558,868.7         1,001.72         7,434,984.1         27.07         4,210,267.5         15.33         138,289,527.5           M         RFC Michigan         74,602,328.8         1,629.38         2,789,651.5         30.46         2,457,844.2         26.84         75,012,586.0           W         RFC West         449,994,271.4         1,503.47         10,897,168.6         18.20         14,813,680.5         24.75         452,404,812.2           O         SPP North         62,457,258.2         1,799.45         1,447,560.7         22.66         1,904,448.4         29.21         62,150,232.8           O         SPP South         117,325,297.0         1,580.60         3,444,187.9         23.20         3,095,469.5         20.85         117,841,258.7           V         SERC Mississippi Valley         90,967,299.2         1,029.82         3,650,522.7         20.66         1,900,187.0         10.76         91,300,158.7           V         SERC South         183,236,856.9         1,384.09         6,176,437.4         22.82         5,653,138.2         20.89         184,17	IJAN	NPCC Long Island	8,115,858.7	1,336.11	989,929.6	81.49	124,943.6	10.28	8,145,619.2	1,341.01
E         RFC East         137,558,868.7         1,001.72         7,434,984.1         27.07         4,210,267.5         15.33         138,289,527.5           M         RFC Michigan         74,602,328.8         1,629.38         2,789,651.5         30.46         2,457,844.2         26.84         75,012,586.0           W         RFC West         449,994,271.4         1,503.47         10,897,168.6         18.20         14,813,680.5         24.75         452,404,812.2           V         RFC West         61,839,528.9         1,896,74         1,477,560.7         22.66         1,904,448.4         29.21         62,150,232.8           O         SPP North         62,457,258.2         1,799.45         1,444,401.4         20.81         1,986,994.1         28.62         62,780,408.5           V         SERC Mississippi Valley         90,967,299.2         1,029.82         3,650,522.7         20.66         1,900,187.0         10.76         91,300,158.7           V         SERC South         123,042,911.4         1,810.83         2,783,643.6         20.48         4,019,051.2         29.57         123,695,092.6           O         SERC Temessee Valley         163,960,526.8         1,384.09         6,176,437.4         22.82         5,653,138.2         20.9 <t< td=""><td>duan</td><td>NPCC Upstate NY</td><td>24,165,154.6</td><td>545.79</td><td>1,443,157.6</td><td>16.30</td><td>641,283.5</td><td>7.24</td><td>24,279,706.7</td><td>548.37</td></t<>	duan	NPCC Upstate NY	24,165,154.6	545.79	1,443,157.6	16.30	641,283.5	7.24	24,279,706.7	548.37
M         RFC Michigan         74,602,328.8         1,629.38         2,789,651.5         30.46         2,457,844.2         26.84         75,012,586.0           W         RFC West         449,994,271.4         1,503.47         10,897,168.6         18.20         14,813,680.5         24.75         452,404,812.2           V         WECC Rockies         61,839,528.9         1,896.74         1,477,560.7         22.66         1,904,448.4         29.21         62,150,232.8           O         SPP North         62,457,258.2         1,799.45         1,444,401.4         20.81         1,986,994.1         28.62         62,780,408.5           O         SPP South         117,325,297.0         1,580.60         3,444,187.9         23.20         3,095,469.5         20.85         117,841,258.7           V         SERC Mississippi Valley         90,967,299.2         1,029.82         3,650,522.7         20.66         1,900,187.0         10.76         91,300,158.7           V         SERC South         123,042,911.4         1,810.83         2,783,643.6         20.48         4,019,051.2         29.57         123,695,092.6           O         SERC South         183,236,856.9         1,354.09         6,176,437.4         22.82         5,653,138.2         20.89         18	RFCE	RFC East	137,558,868.7	1,001.72	7,434,984.1	27.07	4,210,267.5	15.33	138,289,527.5	1,007.04
W RFC West         449,994,271.4         1,503.47         10,897,168.6         18.20         14,813,680.5         24.75         452,404,812.2           A WECC Rockies         61,839,528.9         1,896.74         1,477,560.7         22.66         1,904,448.4         29.21         62,150,232.8           O SPP North         62,457,258.2         1,799.45         1,444,401.4         20.81         1,986,994.1         28.62         62,780,408.5           V SERC Mississippi Valley         90,967,299.2         1,029.82         3,650,522.7         20.66         1,900,187.0         10.76         91,300,158.7           V SERC Midwest         123,042,911.4         1,810.83         2,783,643.6         20.48         4,019,051.2         29.57         123,695,092.6           O SERC South         183,236,856.9         1,354.09         6,176,437.4         22.82         5,653,138.2         20.89         184,177,945.9           V SERC Tennessee Valley         163,960,526.8         1,389.20         4,177,202.5         17.70         5,290,412.2         22.41         164,824,401.3           C SERC Virginial/Carolina         167,452,188.6         1,073.65         6,766,296.6         21.69         5,502,582.8         17.64         168,376,135.0           C SERC Virginial/Carolina         2,542,238,893.0 <td>RFCM</td> <td>RFC Michigan</td> <td>74,602,328.8</td> <td>1,629.38</td> <td>2,789,651.5</td> <td>30.46</td> <td>2,457,844.2</td> <td>26.84</td> <td>75,012,586.0</td> <td>1,638.34</td>	RFCM	RFC Michigan	74,602,328.8	1,629.38	2,789,651.5	30.46	2,457,844.2	26.84	75,012,586.0	1,638.34
VA         WECC Rockies         61,839,528.9         1,896.74         1,477,560.7         22.66         1,904,448.4         29.21         62,150,232.8           O         SPP North         62,457,258.2         1,799.45         1,444,401.4         20.81         1,986,994.1         28.62         62,780,408.5           O         SPP South         117,325,297.0         1,580.60         3,444,187.9         23.20         3,095,469.5         20.85         117,841,258.7           IV         SERC Mississippi Valley         90,967,299.2         1,029.82         3,650,522.7         20.66         1,900,187.0         10.76         91,300,158.7           IV         SERC South         183,236,856.9         1,354.09         6,176,437.4         22.82         5,653,138.2         20.89         184,177,945.9           V         SERC Tennessee Valley         163,960,526.8         1,389.20         4,177,202.5         17.70         5,290,412.2         22.41         164,824,401.3           C         SERC Virginia/Carolina         167,452,188.6         1,073.65         6,766,296.6         21.69         5,502,582.8         17.64         168,376,135.0           C         SERC Virginia/Carolina         2,542,238,893.0         1,232.35         99,600,972.2         24.14         75,344,845.9<	RFCW	RFC West	449,994,271.4	1,503.47	10,897,168.6	18.20	14,813,680.5	24.75	452,404,812.2	1,511.52
O         SPP North         62,457,258.2         1,799.45         1,444,401.4         20.81         1,986,994.1         28.62         62,780,408.5           O         SPP South         117,325,297.0         1,580.60         3,444,187.9         23.20         3,095,469.5         20.85         117,841,258.7           IV         SERC Mississippi Valley         90,967,299.2         1,029.82         3,650,522.7         20.66         1,900,187.0         10.76         91,300,158.7           IV         SERC Midwest         123,042,911.4         1,810.83         2,783,643.6         20.48         4,019,051.2         29.57         123,695,092.6           O         SERC South         183,236,856.9         1,354.09         6,176,437.4         22.82         5,653,138.2         20.89         184,177,945.9           V         SERC Tennessee Valley         163,960,526.8         1,389.20         4,177,202.5         17.70         5,290,412.2         22.41         164,824,401.3           C         SERC Virginia/Carolina         167,452,188.6         1,073.65         6,766,296.6         21.69         5,502,582.8         17.64         168,376,135.0           C         SERC Virginia/Carolina         2,542,238,893.0         1,232.35         99,600,972.2         24.14         75,344,845.9	RMPA	WECC Rockies	61,839,528.9	1,896.74	1,477,560.7	22.66	1,904,448.4	29.21	62,150,232.8	1,906.27
O         SPP South         117,325,297.0         1,580.60         3,444,187.9         23.20         3,095,469.5         20.85         117,841,258.7           IV         SERC Mississippi Valley         90,967,299.2         1,029.82         3,650,522.7         20.66         1,900,187.0         10.76         91,300,158.7           IV         SERC Midwest         123,042,911.4         1,810.83         2,783,643.6         20.48         4,019,051.2         29.57         123,695,092.6           O         SERC South         183,236,856.9         1,354.09         6,176,437.4         22.82         5,653,138.2         20.89         184,177,945.9           V         SERC Tennessee Valley         163,960,526.8         1,389.20         4,177,202.5         17.70         5,290,412.2         22.41         164,824,401.3           C         SERC Virginia/Carolina         167,452,188.6         1,073.65         6,766,296.6         21.69         5,502,582.8         17.64         168,376,135.0           C         SERC Virginia/Carolina         2,542,238,893.0         1,232.35         99,600,972.2         24.14         75,344,845.9         18.26         2,554,963,154.4	ONdS	SPP North	62,457,258.2	1,799.45	1,444,401.4	20.81	1,986,994.1	28.62	62,780,408.5	1,808.76
IV         SERC Mississippi Valley         90,967,299.2         1,029.82         3,650,522.7         20.66         1,900,187.0         10.76         91,300,158.7           IW         SERC Midwest         123,042,911.4         1,810.83         2,783,643.6         20.48         4,019,051.2         29.57         123,695,092.6           O         SERC South         183,236,856.9         1,354.09         6,176,437.4         22.82         5,653,138.2         20.89         184,177,945.9           V         SERC Tennessee Valley         163,960,526.8         1,389.20         4,177,202.5         17.70         5,290,412.2         22.41         164,824,401.3           C         SERC Virginia/Carolina         167,452,188.6         1,073.65         6,766,296.6         21.69         5,502,582.8         17.64         168,376,135.0           C         SERC Virginia/Carolina         2,542,238,893.0         1,232.35         99,600,972.2         24.14         75,344,845.9         18.26         2,554,963,154.4	OSAS	SPP South	117,325,297.0	1,580.60	3,444,187.9	23.20	3,095,469.5	20.85	117,841,258.7	1,587.55
IW SERC Midwest         123,042,911.4         1,810.83         2,783,643.6         20.48         4,019,051.2         29.57         123,695,092.6           O SERC South         183,236,856.9         1,354.09         6,176,437.4         22.82         5,653,138.2         20.89         184,177,945.9         9           V SERC Tennessee Valley         163,960,526.8         1,389.20         4,177,202.5         17.70         5,290,412.2         22.41         164,824,401.3         164,824,401.3           C SERC Virginial/Carolina         167,452,188.6         1,073.65         6,766,296.6         21.69         5,502,582.8         17.64         168,376,135.0           C SERC Virginial/Carolina         2,542,238,893.0         1,232.35         99,600,972.2         24.14         75,344,845.9         18.26         2,554,963,154.4	VMAS	SERC Mississippi Valley	90,967,299.2	1,029.82	3,650,522.7	20.66	1,900,187.0	10.76	91,300,158.7	1,033.58
O         SERC South         183,236,856.9         1,354.09         6,176,437.4         22.82         5,653,138.2         20.89         184,177,945.9         3           V         SERC Tennessee Valley         163,960,526.8         1,389.20         4,177,202.5         17.70         5,290,412.2         22.41         164,824,401.3         3           C         SERC Virginia/Carolina         167,452,188.6         1,073.65         6,766,296.6         21.69         5,502,582.8         17.64         168,376,135.0         3           C         SERC Virginia/Carolina         2,542,238,893.0         1,232.35         99,600,972.2         24.14         75,344,845.9         18.26         2,554,963,154.4         3	SRMW	SERC Midwest	123,042,911.4	1,810.83	2,783,643.6	20.48	4,019,051.2	29.57	123,695,092.6	1,820.43
V         SERC Tennessee Valley         163,960,526.8         1,389.20         4,177,202.5         17.70         5,290,412.2         22.41         164,824,401.3         162,452,188.6         1,073.65         6,766,296.6         21.69         5,502,582.8         17.64         168,376,135.0         168,376,135.0         168,376,135.0         18.26         2,554,963,154.4         168,376,135.0         18.26         2,554,963,154.4         18.26         2,554,963	SRSO	SERC South	183,236,856.9	1,354.09	6,176,437.4	22.82	5,653,138.2	20.89	184,177,945.9	1,361.05
C SERC Virginia/Carolina 167,452,188.6 1,073.65 6,766,296.6 21.69 5,502,582.8 17.64 168,376,135.0 2,542,238,893.0 1,232.35 99,600,972.2 24.14 75,344,845.9 18.26 2,554,963,154.4	SRTV	SERC Tennessee Valley	163,960,526.8	1,389.20	4,177,202.5	17.70	5,290,412.2	22.41	164,824,401.3	1,396.52
2,542,238,893.0 1,232.35 99,600,972.2 24.14 75,344,845.9 18.26 2,554,963,154.4	SRVC	SERC Virginia/Carolina	167,452,188.6	1,073.65	6,766,296.6	21.69	5,502,582.8	17.64	168,376,135.0	1,079.57
	U.S.		2,542,238,893.0	1,232.35	99,600,972.2	24.14	75,344,845.9	18.26	2,554,963,154.4	1,238.52