

February 2, 2012

To: Jim Dinley, Municipal Administrator

Via: Jay Sweeney, Finance Director

From: Christopher Brewton, Utility Director

Subject: Funds Transfer - Rebate Program

I request Assembly approval to transfer \$100,000 from Electric Department Capital Improvement Project #90628 – Demand Side Management, to fund the Appliance Rebate Program that was approved by the Assembly on January 24, 2012.

The purpose of the program is to encourage customers to replace inefficient residential appliances with new Energy Star rated appliances thereby reducing overall system electrical load.

Per Assembly direction, attached are revised rebate amounts that reflect a 70/30 allocation of these funds and a \$1.00 per kWh cost benefit ratio for the appliance rebates.

Energy Star Appliance Comparisons

Cost Range	Energy Savings	Old Unit (kWh)	New Unit (kWh)	Rebate Amount	Annual Savings (kWh)	Annual Savings (\$)	5 - YR Energy Star Projected Savings ²	Number of Rebates ³	Cost/Benefit Ratio (\$/kWh)
\$30,000									••
\$500 - \$1100	37%	750	472	\$275	278	\$33.36	\$675	109	\$0.99
\$700 - \$2,000	20%	1,285	1,028	\$250	257	\$30.84	\$480	120	\$0.97
\$650 - \$1200	20%	845	676	\$165	169	\$20.28	\$245	182	\$0.98
\$70,000									
\$1200 - \$2150	62%	4,880	1,855	\$600	3,025	\$363.00	\$1,512	117	\$0.20
\$3000 - \$8000	50%	12,000	6,000	\$1,500	6,000	\$720.00	\$3,600	47	\$0.25
	\$30,000 \$500 - \$1100 \$700 - \$2,000 \$650 - \$1200 \$70,000 \$1200 - \$2150	Cost Range Savings \$30,000 37% \$500 - \$1100 37% \$700 - \$2,000 20% \$650 - \$1200 20% \$70,000 62%	Cost Range Savings (kWh) \$30,000 \$500 - \$1100 37% 750 \$700 - \$2,000 20% 1,285 \$650 - \$1200 20% 845 \$70,000 \$1200 - \$2150 62% 4,880	Cost Range Savings (kWh) (kWh) \$30,000 \$500 - \$1100 37% 750 472 \$700 - \$2,000 20% 1,285 1,028 \$650 - \$1200 20% 845 676 \$70,000 \$1200 - \$2150 62% 4,880 1,855	Cost Range Savings (kWh) (kWh) Amount \$30,000 \$500 - \$1100 37% 750 472 \$275 \$700 - \$2,000 20% 1,285 1,028 \$250 \$650 - \$1200 20% 845 676 \$165 \$70,000 \$1200 - \$2150 62% 4,880 1,855 \$600	Cost Range Savings (kWh) (kWh) Amount (kWh) \$30,000 \$500 - \$1100 37% 750 472 \$275 278 \$700 - \$2,000 20% 1,285 1,028 \$250 257 \$650 - \$1200 20% 845 676 \$165 169 \$70,000 \$1200 - \$2150 62% 4,880 1,855 \$600 3,025	Cost Range Savings (kWh) (kWh) Amount (kWh) Savings (\$) \$30,000 \$500 - \$1100 37% 750 472 \$275 278 \$33.36 \$700 - \$2,000 20% 1,285 1,028 \$250 257 \$30.84 \$650 - \$1200 20% 845 676 \$165 169 \$20.28 \$70,000 \$1200 - \$2150 62% 4,880 1,855 \$600 3,025 \$363.00	Cost Range Savings (kWh) Amount (kWh) Savings (\$) Projected Savings² \$30,000 \$500 - \$1100 37% 750 472 \$275 278 \$33.36 \$675 \$700 - \$2,000 20% 1,285 1,028 \$250 257 \$30.84 \$480 \$650 - \$1200 20% 845 676 \$165 169 \$20.28 \$245 \$70,000 \$1200 - \$2150 62% 4,880 1,855 \$600 3,025 \$363.00 \$1,512	Cost Range Savings (kWh) (kWh) Amount (kWh) Savings (\$) Projected Savings² Rebates³ \$30,000 \$500 - \$1100 37% 750 472 \$275 278 \$33.36 \$675 109 \$700 - \$2,000 20% 1,285 1,028 \$250 257 \$30.84 \$480 120 \$650 - \$1200 20% 845 676 \$165 169 \$20.28 \$245 182 \$70,000 \$1200 - \$2150 62% 4,880 1,855 \$600 3,025 \$363.00 \$1,512 117

Total Program Funding

\$100,000

Notes:

- 1 Rebates are limited to two (2) per household
- 2 Projected Energy Savings for appliances copied from the Energy Star Program and may not exactly match annual savings calculation
- 3 Total rebates if all funds were expended for this particular appliance