



## MEMORANDUM

**TO:** Low Income Consumer Advisory Task Force

**FROM:** Liz Jambor, Customer Energy Solutions

**DATE:** August 21, 2015

**SUBJECT:** Response to Request by Lanetta Cooper to Extend Previous Data Set

Lanetta Cooper requested an extension to a data set provided earlier in the LICATF process. This data set included the before and after kWh usage and payment status of customers in the weatherization program. The original data set contained 32 customers. Table 1 provides the original data set.

The updated data, found in Table 2, set contains 9 customers. These are the customers that have consistently resided at the weatherized dwelling across the time line from October 2013 through July 2015. There is not consistent savings, post install, across all customers or across all months. It appears that there may be some behavioral impacts to energy savings post-weatherization.

**Table 1. Original Data Set, Pre and Post kWh Usage**

Status	Install Date	Actual Job Cost	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
Current	12/5/13	\$5,939.65	927.00	625.00	Install	853.00	803.00	829.00	723.00	784.00	1,025.00	1,172.00	1,284.00	1,350.00
Current	12/19/13	\$6,237.27	740.00	432.00	Install	934.00	706.00	669.00	505.00	520.00	656.00	776.00	737.00	805.00
Current	1/14/14	\$5,998.90	1,060.00	1,018.00	914.00	Install	840.00	860.00	1,180.00	1,046.00	820.00	1,228.00	1,086.00	1,446.00
Current	2/20/14	\$7,050.72	960.00	552.00	758.00	864.00	Install	544.00	524.00	690.00	836.00	1,208.00	1,184.00	1,270.00
Delinquent	3/4/14	\$5,700.99	1,810.00	312.00	596.00	744.00	744.00	Install	426.00	538.00	1,024.00	1,614.00	1,796.00	2,130.00
Current	3/5/14	\$6,910.17	2,416.00	1,300.00	1,948.00	2,546.00	2,232.00	Install	844.00	1,198.00	1,616.00	2,450.00	2,498.00	2,534.00
Delinquent	3/7/14	\$9,195.88	4,670.00	3,154.00	3,868.00	4,596.00	3,810.00	Install	2,372.00	2,840.00	3,408.00	4,524.00	4,972.00	5,100.00
Current	3/14/14	\$7,945.06	1,350.00	756.00	634.00	674.00	600.00	Install	589.00	826.00	925.00	1,241.00	1,276.00	1,303.00
Delinquent	3/26/14	\$6,970.93	1,162.00	754.00	797.00	878.00	685.00	Install	534.00	836.00	1,025.00	1,339.00	1,525.00	1,597.00
Current	3/27/14	\$5,933.89	749.00	410.00	401.00	388.00	345.00	Install	365.00	444.00	797.00	855.00	956.00	970.00
Delinquent	4/2/14	\$9,735.13	3,852.00	2,152.00	2,404.00	2,624.00	2,022.00	1,566.00	Install	2,150.00	2,802.00	3,548.00	3,754.00	4,022.00
Current	4/4/14	\$7,000.56	1,744.00	1,218.00	1,030.00	1,290.00	1,110.00	1,010.00	Install	1,412.00	1,774.00	2,098.00	2,104.00	2,146.00
Current	4/11/14	\$9,831.91	2,104.00	2,390.00	2,643.00	3,269.00	2,488.00	2,022.00	Install	1,333.00	2,031.00	2,402.00	2,279.00	2,219.00
Delinquent	4/16/14	\$11,920.87	1,465.00	1,185.00	2,297.00	2,584.00	2,076.00	1,743.00	Install	1,478.00	1,884.00	2,349.00	2,221.00	1,533.00
Current	4/17/14	\$8,843.71	4,226.00	2,602.00	3,058.00	1,874.00	1,972.00	1,406.00	Install	2,594.00	3,430.00	3,736.00	3,894.00	3,832.00
Current	4/17/14	\$5,580.69	3,024.00	2,286.00	1,726.00	1,120.00	1,372.00	1,668.00	Install	2,480.00	2,878.00	4,084.00	3,942.00	4,114.00
Delinquent	5/1/14	\$5,406.83	4,914.00	3,622.00	2,706.00	3,050.00	2,672.00	2,494.00	3,100.00	Install	4,632.00	4,268.00	5,120.00	4,854.00
Current	5/1/14	\$5,094.82	3,302.00	2,808.00	3,446.00	3,344.00	3,398.00	2,854.00	2,612.00	Install	3,296.00	3,612.00	3,466.00	3,962.00
Current	5/2/14	\$6,474.62	3,372.00	2,078.00	2,370.00	3,374.00	2,580.00	1,906.00	1,330.00	Install	2,410.00	3,062.00	3,148.00	3,480.00
Current	5/7/14	\$7,517.55	2,574.00	1,662.00	1,537.00	1,797.00	1,534.00	1,280.00	1,279.00	Install	1,648.00	2,150.00	2,498.00	2,754.00
Delinquent	5/8/14	\$7,161.65	4,480.00	3,034.00	2,996.00	3,398.00	2,758.00	2,700.00	3,078.00	Install	4,814.00	6,050.00	6,266.00	5,152.00
Current	5/14/14	\$7,643.02	3,182.00	2,228.00	3,628.00	3,970.00	2,634.00	1,830.00	1,562.00	Install	3,050.00	2,084.00	1,892.00	2,462.00
Current	5/15/14	\$8,574.25	948.00	928.00	1,136.00	988.00	888.00	832.00	759.00	Install	903.00	1,029.00	1,275.00	1,389.00
Current	5/27/14	\$6,769.54	850.00	436.00	886.00	740.00	784.00	556.00	382.00	Install	950.00	1,212.00	1,498.00	1,312.00
Current	5/28/14	\$8,150.11	3,510.00	1,696.00	2,518.00	3,818.00	4,030.00	2,404.00	1,522.00	Install	2,252.00	2,754.00	3,044.00	3,156.00
Current	6/3/14	\$5,953.28	1,956.00	1,425.00	1,201.00	1,139.00	918.00	921.00	1,149.00	1,356.00	Install	1,975.00	2,206.00	2,081.00
Current	6/10/14	\$6,648.70	3,716.00	2,604.00	2,072.00	2,564.00	2,132.00	2,182.00	2,994.00	3,634.00	Install	4,380.00	4,348.00	3,748.00
Current	6/13/14	\$8,386.18	1,134.00	670.00	938.00	1,152.00	774.00	754.00	740.00	800.00	Install	1,788.00	2,408.00	1,598.00
Current	6/17/14	\$7,438.18	1,820.00	1,328.00	6,044.00	6,626.00	6,432.00	2,380.00	1,178.00	1,430.00	Install	2,286.00	2,338.00	2,486.00
Current	6/19/14	\$8,670.28	3,302.00	2,072.00	1,836.00	2,254.00	2,618.00	1,394.00	1,212.00	2,002.00	Install	3,508.00	3,636.00	4,082.00
Current	7/3/14	\$9,018.64	4,466.00	3,876.00	4,642.00	5,634.00	4,696.00	3,998.00	3,830.00	3,536.00	4,700.00	Install	5,494.00	5,376.00
Current	7/3/14	\$7,482.78	2,255.00	1,366.00	756.00	753.00	631.00	661.00	834.00	1,198.00	842.00	Install	2,681.00	3,022.00

**Table 2. Extension of Original Data Set**

Status	Install Date	Actual Job Cost	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15
Current	12/5/2013	\$5,939.65	927.00	625.00	Install	853.00	803.00	829.00	723.00	784.00	1,025.00	1,172.00	1,284.00	1,350.00	893.00	809.00	625.00	720.00	574.00	637.00	788.00	1,022.00	1,411.00	1,464.00
Current	3/14/2014	\$7,945.06	1,350.00	756.00	634.00	674.00	600.00	Install	589.00	826.00	925.00	1,241.00	1,276.00	1,303.00	911.00	711.00	567.00	835.00	561.00	639.00	666.00	765.00	1,086.00	1,325.00
Delinquent	3/26/2014	\$6,970.93	1,162.00	754.00	797.00	878.00	685.00	Install	534.00	836.00	1,025.00	1,339.00	1,525.00	1,597.00	974.00	800.00	558.00	780.00	539.00	584.00	623.00	817.00	989.00	1,232.00
Current	3/27/2014	\$5,933.89	749.00	410.00	401.00	388.00	345.00	Install	365.00	444.00	797.00	855.00	956.00	970.00	587.00	458.00	311.00	495.00	359.00	404.00	320.00	551.00	662.00	898.00
Current	4/11/2014	\$9,831.91	2,104.00	2,390.00	2,643.00	3,269.00	2,488.00	2,022.00	Install	1,333.00	2,031.00	2,402.00	2,279.00	2,219.00	1,591.00	1,857.00	1,625.00	2,593.00	1,736.00	1,940.00	1,488.00	1,855.00	2,097.00	2,291.00
Delinquent	4/16/2014	\$11,920.87	1,465.00	1,185.00	2,297.00	2,584.00	2,076.00	1,743.00	Install	1,478.00	1,884.00	2,349.00	2,221.00	1,533.00	1,179.00	1,385.00	1,481.00	2,284.00	1,409.00	1,670.00	1,117.00	1,193.00	1,437.00	1,549.00
Current	5/15/2014	\$8,574.25	948.00	928.00	1,136.00	988.00	888.00	832.00	759.00	Install	903.00	1,029.00	1,275.00	1,389.00	1,097.00	1,008.00	860.00	1,009.00	783.00	691.00	676.00	650.00	919.00	1,252.00
Current	6/3/2014	\$5,953.28	1,956.00	1,425.00	1,201.00	1,139.00	918.00	921.00	1,149.00	1,356.00	Install	1,975.00	2,206.00	2,081.00	1,457.00	1,228.00	925.00	983.00	762.00	807.00	1,091.00	1,371.00	1,538.00	2,000.00
Current	7/3/2014	\$7,482.78	2,255.00	1,366.00	756.00	753.00	631.00	661.00	834.00	1,198.00	842.00	Install	2,681.00	3,022.00	1,927.00	1,667.00	1,053.00	1,257.00	1,035.00	1,083.00	1,312.00	1,646.00	1,845.00	2,225.00