

Calculation of the Embedded Cost of Meters

Capital Cost of Meters

	ECOSS Data
Meter Cost	400,445,390
Meter Accumulated Depreciation	(172,056,029)
Net Plant	228,389,361
Other Deductions	(58,608,115)
Rate Base	169,781,246
Rate of Return with Gross Up	9.57%
Return on Rate Base	16,239,654
Depreciation Expense	16,035,814
Total Capital Cost of Meters	32,275,468
Total Cost of Service	2,232,244,001
Capital Cost of Meters as Percent of Total Delivery	1.45%
Meter Reading	10,723,247

Step 1: Compute True Customer Costs

		Single Family w/o Space Heat	Multi Family w/o Space Heat	Single Family w/ Space Heat	Multi Family w/ Space Heat	Total
Customers with Standard Meter	Customers	2,232,153	1,041,504	34,999	159,349	3,468,005
Meter Allocation Percent	Percent	55.43%	25.86%	0.87%	3.96%	86.12%
Total Meter Cost	USD/Year	17,890,527	8,347,571	280,514	1,277,169	27,795,781
Total Capital Cost per Customer	USD/Year	8.01	8.01	8.01	8.01	8.01
Per Month	USD/Month	0.67	0.67	0.67	0.67	0.67
Stamp and paper	USD/Month	0.50	0.50	0.50	0.50	0.50
Number of Bills	Total Bills/Year	26,785,836	12,498,048	419,988	1,912,188	41,616,060
Total Stamp and Paper Cost	USD	13,392,918	6,249,024	209,994	956,094	20,808,030
Services	USD/Year	67,113,488	7,139,728	1,052,305	1,092,371	76,397,891
Cost/Customer/Year		30.07	6.86	30.07	6.86	22.03
Total Customer Related per ComEd	USD	294,030,263	105,107,574	5,104,697	16,799,671	421,042,205
Metering Services per ComEd	USD	90,596,947	42,329,655	1,418,135	6,464,589	140,809,326
Total Customer Costs and Meter Costs per ComEd	USD	384,627,210	147,437,229	6,522,832	23,264,260	561,851,531
Meter and Mailing as Percent of Total		8.13%	9.90%	7.52%	9.60%	8.65%
Percent of Total Ratepayers		64.4%	30.0%	1.0%	4.6%	100.0%
Percent of Total Energy		75.2%	16.2%	2.8%	5.8%	100.0%

Step 2: Classify ComEd Costs to Find Left-over Items

		Single Family w/o Space Heat	Multi Family w/o Space Heat	Single Family w/ Space Heat	Multi Family w/ Space Heat	Total Residential
Customer-Related (line 230 + 231 + lines 236 through 240)	USD	294,030,263	105,107,574	5,104,697	16,799,671	421,042,205
Metering Services (line 232)	USD	90,596,947	42,329,655	1,418,135	6,464,589	140,809,326
Distribution-Related (lines 219 through 228 + line 232)	USD	589,775,745	124,001,214	10,341,820	21,377,596	745,496,375
Total Delivery Services Costs without Distribution Tax	USD	974,402,955	271,438,443	16,864,652	44,641,856	1,307,347,906
Total Energy Usage	kWh	20,471,628,554	4,425,830,554	750,453,895	1,593,009,493	
Energy Percent	Pct	75.15%	16.25%	2.75%	5.85%	
Total Number of Bills	Annual #	2,232,153	1,041,504	34,999	159,349	
Meter Equipment Cost	USD	17,890,527	8,347,571	280,514	1,277,169	27,795,781
Stamp and Paper Cost	USD	13,392,918	6,249,024	209,994	956,094	20,808,030
Cost of Services	USD	67,113,488	7,139,728	1,052,305	1,092,371	76,397,891
Left Over Other Meter Costs	USD	72,706,420	33,982,084	1,137,621	5,187,420	113,013,545
Left Over Costs that ComEd labels as Customer Related	USD	213,523,857	91,718,822	3,842,398	14,751,206	323,836,284
Distribution Costs (Allocated by Demand)	USD	589,775,745	124,001,214	10,341,820	21,377,596	745,496,375
Total Cost of Service for Check	USD	974,402,955	271,438,443	16,864,652	44,641,856	1,307,347,906
Percent of Distribution		74.53%	20.76%	1.29%	3.41%	100.00%
Check						
Test	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE

Step 3: Correct Residential Class Allocation by re-allocating left over costs

		Single Family w/o Space Heat	Multi Family w/o Space Heat	Single Family w/ Space Heat	Multi Family w/ Space Heat	Total Residential
Re-classified Other Meter Costs	USD	84,929,991	18,361,302	3,113,384	6,608,868	113,013,545
Re-classified Customer Costs	USD	243,363,863	52,613,656	8,921,291	18,937,475	323,836,284
Meter and Stamp Cost Allocated by Accounts	USD	31,283,445	14,596,595	490,508	2,233,263	48,603,811
Cost of Services	USD	67,113,488	7,139,728	1,052,305	1,092,371	76,397,891
Distribution Cost	USD	589,775,745	124,001,214	10,341,820	21,377,596	745,496,375
Total	USD	1,016,466,532	216,712,494	23,919,308	50,249,572	1,307,347,906
Percent of Distribution		77.75%	16.58%	1.83%	3.84%	100.00%
Difference		42,063,577	(54,725,949)	7,054,656	5,607,716	-
Percent Difference		4.32%	-20.16%	41.83%	12.56%	
Check						0
Test						TRUE

Step 4: Split Total Revenues Between Customer Charge and Energy Charge

		Single Family w/o Space Heat	Multi Family w/o Space Heat	Single Family w/ Space Heat	Multi Family w/ Space Heat	Total Residential
ComEd Desired Customer and Meter Charge	USD/Month	18.21	10.97	20.30	11.94	
Bills	Number	26,785,836	12,498,048	419,988	1,912,188	
Total	USD	487,770,074	137,103,587	8,525,756	22,831,525	656,230,941
Reduced from Re-allocation	USD		(54,725,949)			
Net Collections	USD	487,770,074	82,377,638	8,525,756	22,831,525	656,230,941
Collections from Energy Charge	USD	528,696,458	134,334,856	15,393,552	27,418,047	705,842,914
Energy	kWh	20,471,628,554	4,425,830,554	750,453,895	1,593,009,493	0
Energy Charge	USD/kWh	0.0258	0.0304	0.0205	0.0172	
ComEd Energy Charge	USD/kWh	0.0238	0.0310	0.0114	0.0143	

Parameters for Graduated Customer Charge Calculations

Single Family No-Space Parameters

Minimum Account Charge	1.00
Start (kWh/Month)	400
End (kWh/Month)	2,000
Increments	16
SF Increase	3.23
SF Difference	-
Maximum Charge/Month	57.51
Slope Factor	0.100
Energy Charge (\$/kWh)	0.026

Multi Family No-Space Parameters

Minimum Account Charge	1.00
Start (kWh/Month)	200
End (kWh/Month)	2,000
Increments	18
MF Increase	2.35
MF Difference	-
Maximum Charge/Month	43.36
Slope Factor	-
Energy Charge (\$/kWh)	0.0304

Single Family Non-Space Heat Usage Increment Calculations

kWh Increment	Graduated Charge	Customer Charge	Factor Counter	Factor Adjustment	Customer Chg Rev Single Family w/o Space Heat	Energy Single Family w/o Space Heat	Energy Revenue Single Family w/o Space Heat	Usage Increment	Recommended Rate per kWh
50	FALSE	1.00	-	FALSE	1.00	1,125,233.40	52,019,325.51	1,343,441.39	50.00
150	FALSE	1.00	-	FALSE	1.00	1,290,511.24	178,980,266.24	4,622,310.95	150.00
250	FALSE	1.00	-	FALSE	1.00	1,994,593.63	461,048,418.49	11,906,950.40	250.00
350	FALSE	1.00	-	FALSE	1.00	2,498,090.91	808,403,869.28	20,877,687.44	350.00
450	TRUE	5.27	1.00	1.32	1.00	13,929,538.48	1,100,657,871.15	28,425,384.75	450.00
550	TRUE	9.25	2.00	1.23	1.00	21,237,593.28	1,278,121,520.11	33,008,527.83	550.00
650	TRUE	13.07	3.00	1.18	1.00	29,418,723.58	1,353,008,742.46	34,942,551.25	650.00
750	TRUE	16.78	4.00	1.15	1.00	32,653,973.76	1,349,386,298.13	34,848,996.68	750.00
850	TRUE	20.41	5.00	1.12	1.00	33,796,384.28	1,301,215,498.84	33,604,948.61	850.00
950	TRUE	23.96	6.00	1.10	1.00	33,464,109.86	1,225,853,957.78	31,658,675.52	950.00
1050	TRUE	27.49	7.00	1.09	1.00	28,427,504.84	1,003,952,358.43	25,927,886.23	1,050.00
1150	TRUE	30.95	8.00	1.07	1.00	32,010,483.59	1,099,566,868.76	28,397,208.73	1,150.00
1250	TRUE	34.38	9.00	1.06	1.00	29,223,472.32	982,443,543.09	25,372,403.58	1,250.00
1350	TRUE	37.77	10.00	1.05	1.00	25,151,981.79	851,282,183.67	21,468,538.01	1,350.00
1450	TRUE	41.12	11.00	1.04	1.00	27,387,122.41	892,858,620.23	23,058,800.08	1,450.00
1550	TRUE	44.45	12.00	1.03	1.00	19,131,725.26	616,831,128.29	15,930,165.59	1,550.00
1650	TRUE	47.75	13.00	1.02	1.00	20,552,318.28	656,626,684.95	16,957,918.21	1,650.00
1750	TRUE	51.03	14.00	1.01	1.00	18,089,568.77	573,615,139.43	14,814,077.53	1,750.00
1850	TRUE	54.28	15.00	1.01	1.00	15,123,227.78	476,568,496.50	12,307,769.04	1,850.00
1950	TRUE	57.51	16.00	1.00	1.00	16,023,908.83	502,328,955.77	12,973,053.86	1,950.00
2050	FALSE	57.51	16.00	FALSE	1.00	10,412,852.41	343,169,522.32	8,862,632.03	2,050.00
2150	FALSE	57.51	16.00	FALSE	1.00	10,412,852.41	359,909,499.02	9,294,955.55	2,150.00
2250	FALSE	57.51	16.00	FALSE	1.00	8,617,046.91	311,692,327.04	8,049,707.86	2,250.00
2350	FALSE	57.51	16.00	FALSE	1.00	6,821,241.40	257,701,186.29	6,655,342.74	2,350.00
2450	FALSE	57.51	16.00	FALSE	1.00	6,821,241.40	268,667,194.21	6,938,548.81	2,450.00
2550	FALSE	57.51	16.00	FALSE	1.00	3,810,198.79	156,197,094.61	4,033,917.01	2,550.00
2650	FALSE	57.51	16.00	FALSE	1.00	3,810,198.79	162,322,470.87	4,192,109.84	2,650.00
2750	FALSE	57.51	16.00	FALSE	1.00	3,810,198.79	168,447,847.12	4,350,302.66	2,750.00
2850	FALSE	57.51	16.00	FALSE	1.00	3,810,198.79	174,573,223.38	4,508,495.48	2,850.00
2950	FALSE	57.51	16.00	FALSE	1.00	3,810,198.79	180,698,599.64	4,666,688.31	2,950.00
3050	FALSE	57.51	16.00	FALSE	1.00	1,783,250.00	87,437,394.62	2,258,141.83	3,050.00
3150	FALSE	57.51	16.00	FALSE	1.00	1,783,250.00	90,304,194.45	2,332,179.27	3,150.00
3250	FALSE	57.51	16.00	FALSE	1.00	1,783,250.00	93,170,994.27	2,406,216.71	3,250.00
3350	FALSE	57.51	16.00	FALSE	1.00	1,783,250.00	96,037,794.10	2,480,254.15	3,350.00
3450	FALSE	57.51	16.00	FALSE	1.00	1,783,250.00	98,904,593.92	2,554,291.58	3,450.00
3550	FALSE	57.51	16.00	FALSE	1.00	924,446.54	52,758,846.42	1,362,540.12	3,550.00
3650	FALSE	57.51	16.00	FALSE	1.00	924,446.54	54,245,011.11	1,400,921.53	3,650.00
3750	FALSE	57.51	16.00	FALSE	1.00	924,446.54	55,731,175.79	1,439,302.94	3,750.00
3850	FALSE	57.51	16.00	FALSE	1.00	924,446.54	57,217,340.48	1,477,684.36	3,850.00
3950	FALSE	57.51	16.00	FALSE	1.00	924,446.54	58,703,505.17	1,516,065.77	3,950.00
4050	FALSE	57.51	16.00	FALSE	1.00	513,866.56	33,457,271.20	864,061.24	4,050.00
4150	FALSE	57.51	16.00	FALSE	1.00	513,866.56	34,283,376.67	883,396.09	4,150.00
4250	FALSE	57.51	16.00	FALSE	1.00	513,866.56	35,109,482.13	906,730.93	4,250.00
4350	FALSE	57.51	16.00	FALSE	1.00	513,866.56	35,935,587.59	928,065.78	4,350.00
4450	FALSE	57.51	16.00	FALSE	1.00	513,866.56	36,761,693.05	949,400.62	4,450.00
4550	FALSE	57.51	16.00	FALSE	1.00	303,863.94	22,226,736.36	574,023.54	4,550.00
4650	FALSE	57.51	16.00	FALSE	1.00	303,863.94	22,715,236.06	586,639.45	4,650.00
4750	FALSE	57.51	16.00	FALSE	1.00	303,863.94	23,203,735.76	599,255.35	4,750.00
4850	FALSE	57.51	16.00	FALSE	1.00	303,863.94	23,692,235.46	611,871.25	4,850.00
4950	FALSE	57.51	16.00	FALSE	1.00	303,863.94	24,180,735.16	624,487.15	4,950.00
5050	FALSE	57.51	16.00	FALSE	1.00	347,664.36	28,225,177.44	728,938.16	5,050.00
5150	FALSE	57.51	16.00	FALSE	1.00	347,664.36	28,784,091.85	743,372.58	5,150.00
5250	FALSE	57.51	16.00	FALSE	1.00	347,664.36	29,343,006.25	757,807.00	5,250.00
5350	FALSE	57.51	16.00	FALSE	1.00	347,664.36	29,901,920.65	772,241.42	5,350.00
5450	FALSE	57.51	16.00	FALSE	1.00	347,664.36	30,460,835.06	786,675.84	5,450.00
5550	FALSE	57.51	16.00	FALSE	1.00	347,664.36	31,019,749.46	801,110.26	5,550.00
5650	FALSE	57.51	16.00	FALSE	1.00	347,664.36	31,578,663.87	815,544.68	5,650.00
5750	FALSE	57.51	16.00	FALSE	1.00	347,664.36	32,137,578.27	829,979.10	5,750.00
5850	FALSE	57.51	16.00	FALSE	1.00	347,664.36	32,696,492.68	844,413.52	5,850.00
5950	FALSE	57.51	16.00	FALSE	1.00	347,664.36	33,255,407.08	858,847.94	5,950.00
Total					487,770,073.56	20,471,628,554.00	528,696,458.15		
Target					487,770,073.56	20,471,628,554.00	528,696,458.15		
Energy Adjustment						0.92459619			

Multi-Family Non-Space Heat Usage Increment Calculations

				Customer		Customer Chg Rev		Energy		Energy Revenue		Recommended		ComEd		
kWh Increment	Starting Charge	Ending Charge	Graduated Charge	Customer Charge	Factor Counter		w/o Space Heat	Multi Family w/o Space Heat	Multi Family w/o Space Heat	Multi Family w/o Space Heat	Total	Rate per kWh		Rate per kWh		
50	TRUE	FALSE	FALSE	1.00	-	FALSE	1,583,922.15	73,901,811.46		2,243,102.03	3,827,024.18	0.0518		0.2661		
150	TRUE	FALSE	FALSE	1.00		FALSE	2,590,436.83	362,589,751.36		11,005,491.87	13,595,928.70	0.0375		0.1094		
250	FALSE	FALSE	TRUE	3.35	1.00		8,277,349.82	575,793,379.17		17,476,747.02	25,753,996.83	0.0447		0.0770		
350	FALSE	FALSE	TRUE	5.71	2.00	1.00	10,110,592.51	579,737,986.90		17,596,479.64	27,596,688.14	0.0478		0.0478		
450	FALSE	FALSE	TRUE	8.06	1.00		8,956,962.77	499,942,643.16		15,174,490.39	24,717,453.15	0.0495		0.0781		
550	FALSE	FALSE	TRUE	10.41	4.00		8,346,243.97	411,312,150.25		12,484,336.66	20,300,580.64	0.0506		0.0524		
650	FALSE	FALSE	TRUE	12.77	5.00	1.00	7,036,905.97	334,290,683.89		10,146,545.49	17,183,451.46	0.0514		0.0491		
750	FALSE	FALSE	TRUE	15.12	6.00	1.00	5,886,308.80	272,432,309.68		8,268,991.50	14,155,300.29	0.0520		0.0467		
850	FALSE	FALSE	TRUE	17.48	7.00	1.00	4,899,769.14	222,394,708.54		6,750,227.08	11,649,996.22	0.0524		0.0448		
900	FALSE	FALSE	TRUE	19.83	8.00	1.00	4,063,055.04	181,648,554.08		5,513,480.95	9,576,535.99	0.0527		0.0434		
1050	FALSE	FALSE	TRUE	22.18	9.00		2,754,339.07	121,660,680.24		3,692,701.25	6,447,040.32	0.0530		0.0422		
1150	FALSE	FALSE	TRUE	24.54	10.00		1,046,580.30	131,247,411.69		4,044,387.08	7,090,967.38	0.0532		0.0412		
1250	FALSE	FALSE	TRUE	26.89	10.00	1.00	2,494,170.16	108,194,161.96		5,278,129.11	3,283,552.61	0.0534		0.0404		
1350	FALSE	FALSE	TRUE	29.24	12.00	1.00	1,793,898.29	177,275,515.24		2,345,593.24	4,139,491.53	0.0536		0.0397		
1450	FALSE	FALSE	TRUE	31.60	13.00		1,938,277.79	83,002,849.70		2,519,340.89	4,457,618.68	0.0537		0.0391		
1550	FALSE	FALSE	TRUE	33.95	14.00	1.00	1,093,521.52	46,587,158.40		1,414,034.98	2,507,556.50	0.0538		0.0386		
1650	FALSE	FALSE	TRUE	36.30	15.00		1,169,329.52	49,592,781.52		1,505,263.05	2,674,592.57	0.0539		0.0381		
1750	FALSE	FALSE	TRUE	38.66	16.00	1.00	967,399.20	40,865,890.94		1,240,380.43	2,207,779.63	0.0540		0.0377		
1850	FALSE	FALSE	TRUE	41.01	17.00		731,649.65	30,798,141.65		934,799.44	1,666,449.10	0.0541		0.0374		
1950	FALSE	FALSE	TRUE	43.36	18.00	1.00	773,638.44	32,462,906.06		985,329.14	1,768,957.58	0.0542		0.0370		
2050	FALSE	FALSE	TRUE	45.71	18.00	FALSE	465,410.01	19,648,462.60		596,379.23	1,041,789.24	0.0543		0.0367		
2150	FALSE	FALSE	TRUE	43.36	18.00	FALSE	465,410.01	20,606,938.20		625,470.90	1,070,880.90	0.0520		0.0365		
2250	FALSE	FALSE	TRUE	43.36	18.00	FALSE	360,237.59	17,441,598.62		529,395.47	889,633.06	0.0510		0.0362		
2350	FALSE	TRUE	FALSE	43.36	18.00	FALSE	275,065.17	13,909,714.19		422,194.08	697,259.25	0.0501		0.0360		
2450	FALSE	TRUE	FALSE	43.36	18.00	FALSE	275,065.17	14,501,616.92		440,159.79	715,224.96	0.0493		0.0358		
2550	FALSE	TRUE	FALSE	43.36	18.00	FALSE	135,467.48	7,743,442.20		225,623.28	361,090.75	0.0486		0.0356		
2650	FALSE	TRUE	FALSE	43.36	18.00	FALSE	135,467.48	7,724,949.74		234,471.25	369,938.73	0.0479		0.0354		
2750	FALSE	TRUE	FALSE	43.36	18.00	FALSE	135,467.48	8,016,457.28		243,319.22	378,786.70	0.0473		0.0353		
2850	FALSE	TRUE	FALSE	43.36	18.00	FALSE	135,467.48	8,007,964.82		252,167.19	387,634.67	0.0467		0.0351		
2950	FALSE	TRUE	FALSE	43.36	18.00	FALSE	135,467.48	8,599,472.35		261,015.16	396,482.64	0.0461		0.0350		
3050	FALSE	TRUE	FALSE	43.36	18.00	FALSE	60,655.89	3,980,957.97		120,831.88	181,487.77	0.0456		0.0349		
3150	FALSE	TRUE	FALSE	43.36	18.00	FALSE	60,655.89	4,111,481.18		124,793.58	185,449.47	0.0451		0.0347		
3250	FALSE	TRUE	FALSE	43.36	18.00	FALSE	60,655.89	4,242,004.39		128,755.28	189,411.17	0.0447		0.0346		
3350	FALSE	TRUE	FALSE	43.36	18.00	FALSE	60,655.89	4,372,527.60		132,716.98	193,372.87	0.0442		0.0345		
3450	FALSE	TRUE	FALSE	43.36	18.00	FALSE	60,655.89	4,503,050.82		136,678.68	197,334.58	0.0438		0.0344		
3550	FALSE	TRUE	FALSE	43.36	18.00	FALSE	32,097.41	2,451,958.20		74,422.97	106,520.38	0.0434		0.0343		
3650	FALSE	TRUE	FALSE	43.36	18.00	FALSE	32,097.41	2,521,027.45		78,519.39	108,616.80	0.0431		0.0341		
3750	FALSE	TRUE	FALSE	43.36	18.00	FALSE	32,097.41	2,590,096.69		78,619.81	110,713.12	0.0427		0.0340		
3850	FALSE	TRUE	FALSE	43.36	18.00	FALSE	32,097.41	2,659,165.94		80,712.23	112,809.64	0.0424		0.0341		
3950	FALSE	TRUE	FALSE	43.36	18.00	FALSE	32,097.41	2,728,235.18		82,808.66	114,906.06	0.0421		0.0340		
4050	FALSE	TRUE	FALSE	43.36	18.00	FALSE	16,838.56	1,467,488.82		44,541.90	61,380.46	0.0418		0.0339		
4150	FALSE	TRUE	FALSE	43.36	18.00	FALSE	16,838.56	1,503,723.12		45,641.70	62,480.26	0.0416		0.0338		
4250	FALSE	TRUE	FALSE	43.36	18.00	FALSE	16,838.56	1,539,957.41		46,741.50	63,580.06	0.0413		0.0338		
4350	FALSE	TRUE	FALSE	43.36	18.00	FALSE	16,838.56	1,576,191.30		47,841.30	64,679.86	0.0410		0.0337		
4450	FALSE	TRUE	FALSE	43.36	18.00	FALSE	16,838.56	1,612,425.99		48,941.10	65,779.66	0.0408		0.0336		
4550	FALSE	TRUE	FALSE	43.36	18.00	FALSE	11,049.20	1,061,828.30		32,836.06	43,672.12	0.0406		0.0336		
4650	FALSE	TRUE	FALSE	43.36	18.00	FALSE	11,049.20	1,105,601.63		33,557.73	44,606.94	0.0403		0.0335		
4750	FALSE	TRUE	FALSE	43.36	18.00	FALSE	11,049.20	1,129,378.06		34,279.41	45,328.61	0.0401		0.0335		
4850	FALSE	TRUE	FALSE	43.36	18.00	FALSE	11,049.20	1,153,154.44		35,001.08	46,050.28	0.0399		0.0334		
4950	FALSE	TRUE	FALSE	43.36	18.00	FALSE	11,049.20	1,176,930.82		35,722.75	46,771.95	0.0397		0.0334		
5050	FALSE	TRUE	FALSE	43.36	18.00	FALSE	12,165.60	1,322,024.66		40,126.70	52,292.30	0.0396		0.0333		
5150	FALSE	TRUE	FALSE	43.36	18.00	FALSE	12,165.60	1,348,203.37		40,921.29	53,086.89	0.0394		0.0333		
5250	FALSE	TRUE	FALSE	43.36	18.00	FALSE	12,165.60	1,374,382.08		41,715.88	53,881.48	0.0392		0.0332		
5350	FALSE	TRUE	FALSE	43.36	18.00	FALSE	12,165.60	1,400,560.78		42,510.47	54,680.07	0.0391		0.0332		
5450	FALSE	TRUE	FALSE	43.36	18.00	FALSE	12,165.60	1,426,739.49		43,305.06	55,478.65	0.0389		0.0332		
5550	FALSE	TRUE	FALSE	43.36	18.00	FALSE	12,165.60	1,452,918.19		44,099.65	56,265.24	0.0387		0.0331		
5650	FALSE	TRUE	FALSE	43.36	18.00	FALSE	12,165.60	1,479,096.90		44,894.23	57,059.83	0.0386		0.0331		
5750	FALSE	TRUE	FALSE	43.36	18.00	FALSE	12,165.60	1,505,275.61		45,688.82	57,854.42	0.0384		0.0330		
5850	FALSE	TRUE	FALSE	43.36	18.00	FALSE	12,165.60	1,531,454.31		46,483.41	58,649.01	0.0383		0.0330		
5950	FALSE	TRUE	FALSE	43.36	18.00	FALSE	12,165.60	1,557,633.02		47,278.00	59,443.60	0.0382		0.0330		
Sum							82,377,637.59	4,425,830,554.00		134,354,856.44						
Target							82,377,637.59	4,425,830,554.00								
Difference							0.00	0.00								
								0.933149559								

Graphs for Single Family and Multi-Family Non-Space Heat



