



Dykema Gossett PLLC
Capitol View
201 Townsend Street, Suite 900
Lansing, MI 48933

WWW.DYKEMA.COM

Tel: (517) 374-9100

Fax: (517) 374-9191

Joseph J. Baumann

Direct Dial: (517) 374-9169

Email: JBAUMANN@DYKEMA.COM

May 6, 2010

Mary Jo Kunkle
Executive Secretary
Michigan Public Service Commission
PO Box 30221
Lansing, MI 48909-7721

Re: Case Nos. U-15813, U-15816, U-15817, U-15818, U-15819, U-15820, U-15821,
and U-15822
2009 Energy Optimization Annual Reports
Revised Exhibits

Dear Ms. Kunkle:

Enclosed, for electronic filing, please find Revised Exhibits to 2009 Energy Optimization Annual Reports on behalf of Alger Delta Cooperative Electric Association, Cloverland Electric Cooperative, Great Lakes Energy Cooperative, Midwest Energy Cooperative, Ontonagon County Rural Electrification Association, Presque Isle Electric & Gas Co-op, Thumb Electric Cooperative, and HomeWorks Tri-County Electric Cooperative in the above-referenced matters. The revisions are highlighted in green.

If you have any questions, please contact me.

Sincerely,

DYKEMA GOSSETT PLLC

Joseph J. Baumann

JJBA:jmb

cc: Mike Peters
Messrs. Harrell, Dasho, Boeckman, Anzell, Hance, Miner, Haarala, Burns,
Sobeck, Braun, Kappler, Simmer and Ms. Kenney

California | Illinois | Michigan | Texas | Washington D.C.

Michigan Public Service Commission
Michigan Electric Cooperative Association (MECA) All Cooperatives
Energy Optimization Plan
Program Costs Portfolio Summary
for the six months ended December 31, 2009

Line No.	(Col. 1)	(Col. 2)	(Col. 3)	(Col. 4)	(Col. 5)	(Col. 6)	(Col. 7)	(Col. 8)	(Col. 9)	(Col. 10)	
				2009 actual		2009 planned		Variance: planned - actual			
	MECA EO Programs	USRCT Results (1)	CCE* Results ¢/kWh (2)	MWh Savings (3)	Cost	MWh Savings (3)	Cost	Number of applications	MWh Savings	Cost	
1											
2											
3	Residential										
4	Low income				\$ 52,329	465.0	\$ 185,288		465.0	\$ 132,959	
5	HVAC program				45,377	186.0	144,717		186.0	99,340	
6	Energy star product program				152,347	3,233.7	206,258		3,233.7	53,911	
7	Multi-family program				14,177	172.0	67,500		172.0	53,323	
8	Audit and weatherization program				29,121	70.0	28,384		70.0	(737)	
9	Appliance recycling program				59,043	1,372.0	181,875		1,372.0	122,832	
10	New construction program				2,753	23.0	13,125		23.0	10,372	
11	Pilot program				18,803	276.1	88,735		276.1	69,932	
12	Education program			208.6	39,245	165.7	53,241		(42.9)	13,996	
13	Evaluation program				-	-	-		-	-	
14					413,195	5,963.5	969,123			555,928	
15	Commercial / Industrial, Secondary										
16	Energy star product program				18,143	1,045.3	66,145		1,045.3	48,002	
17	C&I prescriptive program				112,295	2,333.9	312,953		2,333.9	200,658	
18	C & I custom program				14,939	122.1	69,319		122.1	54,380	
19	C & I new construction program				-	-	-		-	-	
20	C&I RFP program				-	-	-		-	-	
21	C & I pilot program				6,317	175.1	28,632		175.1	22,315	
22	C&I education program			56.4	8,987	105.0	17,179		48.6	8,192	
23	C & I evaluation program				-	-	-		-	-	
24					160,681	3,781.4	494,228			333,547	
25	Commercial / Industrial, Primary										
26	C&I prescriptive program				39,455	744.1	108,721		744.1	69,266	
27	C & I custom program				21,756	38.9	24,081		38.9	2,325	
28	C & I new construction program				-	-	-		-	-	
29	C&I RFP program				377	-	-		-	(377)	
30	C & I pilot program				1,555	39.1	9,948		39.1	8,393	
31	C&I education program			20.7	3,611	23.5	5,969		2.8	2,358	
32	C & I evaluation program				-	-	-		-	-	
33											
34					66,754	845.6	148,719			81,965	
35	Other miscellaneous efficiency programs				477.7	-	-		(477.7)	-	
36	Self Direct EO Savings				188.0	-	-		(188.0)	-	
37	Total Program Budget and Projected Energy Savings				951.4	\$ 640,630	10,590.5	\$ 1,612,070		9,639.1	\$ 971,440
38	Savings Target (MWh)				10,590.5		10,590.5				

Notes:

- (1) The USRCT score and cost of conserved energy for the entire program excludes the Low Income Program
USRCT Results from Exhibit A-Rick Morgan
- (2) Cost of Conserved Energy or lifecycle cost calculated from DSMore
- (3) MWh savings from DSMore Model
- (4) Administrative and Infrastructure Costs are included for all portfolio level costs

Michigan Public Service Commission
Michigan Electric Cooperative Association (MECA) - Alger Delta cooperative Electric Association
Energy Optimization Plan
Program Costs Portfolio Summary
for the six months ended December 31, 2009

Line No.	(Col. 1)	(Col. 2)	(Col. 3)	(Col. 4)	(Col. 5)	(Col. 6)	(Col. 7)	(Col. 8)	(Col. 9)	(Col. 10)
1		2009 actual		2009 planned		Variance: planned - actual				
2	MECA EO Programs	USRCT Results (1)	CCE* Results e/kWh (2)	MWh Savings (3)	Cost (4)	MWh Savings (3)	Cost	Number of applications	MWh Savings	Cost
3	Residential									
4	Low income			\$ -		15.1	\$ 6,321		15.1	6,321
5	HVAC program			-		6.0	4,937		6.0	4,937
6	Energy star product program			7,466		96.9	7,595		96.9	129
7	Multi-family program			-		5.6	2,303		5.6	2,303
8	Audit and weatherization program			952		2.3	968		2.3	16
9	Appliance recycling program			6,099		44.6	6,204		44.6	105
10	New construction program			-		0.7	448		0.7	448
11	Pilot program			-		9.0	3,027		9.0	3,027
12	Education program			7.3	3,894	5.4	1,816		(1.9)	(2,078)
13	Evaluation program			-		-	-		-	-
14					18,411	185.6	33,619			15,208
15	Commercial / Industrial, Secondary									
16	Energy star product program			1,668		21.6	1,697		21.6	29
17	C&I prescriptive program			-		85.3	7,947		85.3	7,947
18	C & I custom program			-		4.5	1,760		4.5	1,760
19	C & I new construction program			-		-	-		-	-
20	C&I RFP program			-		-	-		-	-
21	C & I pilot program			-		3.9	727		3.9	727
22	C & I education program			1.8	935	2.4	436		0.6	(499)
23	C & I evaluation program			-		-	-		-	-
24					2,603	117.7	12,567			9,964
25	Commercial / Industrial, Primary									
26	C&I prescriptive program			-		-	-		-	-
27	C & I custom program			-		-	-		-	-
28	C & I new construction program			-		-	-		-	-
29	C&I RFP program			-		-	-		-	-
30	C & I pilot program			-		-	-		-	-
31	C & I education program			-		-	-		-	-
32	C & I evaluation program			-		-	-		-	-
33										
34	Other miscellaneous efficiency programs			12.6		-			(12.6)	
35	Other miscellaneous efficiency programs			\$ 12.6						
36	Self Direct EO Savings			-		-			-	
37	Total Program Budget and Projected Energy Savings			21.7	\$ 21,014	303.3	\$ 46,186		281.6	\$ 25,172
38	Savings Target (MWh)			303.3		303.3				

Notes:

- (1) The USRCT score and cost of conserved energy for the entire program excludes the Low Income Program
USRCT Results from Exhibit A-Rick Morgan
- (2) Cost of Conserved Energy or lifecycle cost calculated from DSMore
- (3) MWh savings from DSMore Model
- (4) Alger Delta reports no EO Program costs, as all such costs are included in the monthly power bills from Wisconsin Power without identification.

Michigan Public Service Commission
Michigan Electric Cooperative Association (MECA) - Cloverland Electric Cooperative
Energy Optimization Plan
Program Costs Portfolio Summary
for the six months ended December 31, 2009

Line No.	(Col. 1)	(Col. 2)	(Col. 3)	(Col. 4)	(Col. 5)	(Col. 6)	(Col. 7)	(Col. 8)	(Col. 9)	(Col. 10)
1		2009 actual		2009 planned		Variance: planned - actual				
2	MECA EO Programs	USRCT Results (1)	CCE* Results e/kWh (2)	MWh Savings (3)	Cost	MWh Savings (3)	Cost	Number of applications	MWh Savings	Cost
3	Residential									
4	Low income				\$ 8,340	24.9	\$ 10,260		24.9	\$ 1,920
5	HVAC program				6,738	10.0	8,014		10.0	1,276
6	Energy star product program				11,112	172.9	10,885		172.9	(227)
7	Multi-family program				-	9.2	3,738		9.2	3,738
8	Audit and weatherization program				-	3.7	1,572		3.7	1,572
9	Appliance recycling program				-	73.4	10,072		73.4	10,072
10	New construction program				-	1.2	727		1.2	727
11	Pilot program				-	14.8	4,914		14.8	4,914
12	Education program			14.0	4,450	8.9	2,948		(5.1)	(1,502)
13	Evaluation program				-	-	-		-	-
14					30,640	319.0	53,130			22,490
15	Commercial / Industrial, Secondary									
16	Energy star product program				362	66.7	4,200		66.7	3,838
17	C&I prescriptive program				1,731	132.3	20,090		132.3	18,359
18	C & I custom program				-	6.9	4,450		6.9	4,450
19	C & I new construction program				-	0.0	-		-	-
20	C&I RFP program				-	0.0	-		-	-
21	C & I pilot program				-	11.2	1,838		11.2	1,838
22	C&I education program			2.8	896	6.7	1,103		3.9	207
23	C & I evaluation program				-	-	-		-	-
24					2,989	223.8	31,681			28,692
25	Commercial / Industrial, Primary									
26	C&I prescriptive program				524	40.1	6,083		40.1	5,559
27	C & I custom program				-	2.1	1,347		2.1	1,347
28	C & I new construction program				-	0.0	-		-	-
29	C&I RFP program				-	0.0	-		-	-
30	C & I pilot program				-	2.2	557		2.2	557
31	C&I education program			0.9	272	1.3	334		0.4	62
32	C & I evaluation program				-	0.0	-		-	-
33					796	45.7	8,321			7,525
34	Other miscellaneous efficiency programs				27.8	-	-		(27.8)	-
35	Self Direct EO Savings									
36										
37	Total Program Budget and Projected Energy Savings			45.5	\$ 34,425	588.5	\$ 93,132		543.0	\$ 58,707
38	Savings Target (MWh)			588.5		588.5				

- Notes:
- (1) The USRCT score and cost of conserved energy for the entire program excludes the Low Income Program USRCT Results from Exhibit A-Rick Morgan
 - (2) Cost of Conserved Energy or lifecycle cost calculated from DSMore
 - (3) MWh savings from DSMore Model
 - (4) Administrative and Infrastructure Costs are included for all portfolio level costs

Michigan Public Service Commission
Michigan Electric Cooperative Association (MECA) - Great Lakes Energy Cooperative
Energy Optimization Plan
Program Costs Portfolio Summary
for the six months ended December 31, 2009

Line No.	(Col. 1)	(Col. 2)	(Col. 3)	(Col. 4)	(Col. 5)	(Col. 6)	(Col. 7)	(Col. 8)	(Col. 9)	(Col. 10)
1										
2	MECA EO Programs	USRCT Results (1)	CCE* Results ¢/kWh (2)	MWh Savings (3)	Cost	MWh Savings (3)	Cost	Number of applications	MWh Savings	Cost
3	Residential									
4	Low income				\$ 11,947	180.4	\$ 72,486		180.4	\$ 60,539
5	HVAC program				7,869	72.2	56,615		72.2	48,746
6	Energy star product program				58,851	1,320.0	80,811		1,320.0	21,960
7	Multi-family program				3,477	66.7	26,407		66.7	22,930
8	Audit and weatherization program				7,159	27.2	11,104		27.2	3,945
9	Appliance recycling program				13,851	532.3	71,152		532.3	57,301
10	New construction program				672	8.9	5,135		8.9	4,463
11	Pilot program				4,577	107.1	34,714		107.1	30,137
12	Education program			86.7	14,808	64.3	20,829		(22.4)	6,021
13	Evaluation program				-	-	-		-	-
14					123,211	2,379.1	379,253			256,042
15	Commercial / Industrial, Secondary									
16	Energy star product program				3,389	420.7	25,757		420.7	22,368
17	C&I prescriptive program				35,114	790.1	119,053		790.1	83,939
18	C & I custom program				3,477	41.3	26,370		41.3	22,893
19	C & I new construction program				-	-	-		-	-
20	C&I RFP program				-	-	-		-	-
21	C & I pilot program				1,433	67.1	10,892		67.1	9,459
22	C&I education program			24.2	4,130	40.2	6,535		16.0	2,405
23	C & I evaluation program				-	-	-		-	-
24					47,543	1,359.4	188,607			141,064
25	Commercial / Industrial, Primary									
26	C&I prescriptive program				29,380	462.0	69,621		462.0	40,241
27	C & I custom program				4,105	24.2	15,421		24.2	11,316
28	C & I new construction program				-	-	-		-	-
29	C&I RFP program				-	-	-		-	-
30	C & I pilot program				839	25.1	6,370		25.1	5,531
31	C&I education program			17.0	2,911	15.1	3,822		(1.9)	911
32	C & I evaluation program				-	-	-		-	-
33					37,235	526.4	95,234			57,999
34										
35	Other miscellaneous efficiency programs				158.1	-	-		(158.1)	-
36	Self Direct EO Savings				-	-	-		-	-
37	Total Program Budget and Projected Energy Savings				286.0	\$ 170,754	4,264.9	\$ 567,860	3,978.9	\$ 455,105
38	Savings Target (MWh)				4,264.9		4,264.9			

Notes:

- (1) The USRCT score and cost of conserved energy for the entire program excludes the Low Income Program USRCT Results from Exhibit A-Rick Morgan
- (2) Cost of Conserved Energy or lifecycle cost calculated from DSMore
- (3) MWh savings from DSMore Model
- (4) Administrative and Infrastructure Costs are included for all portfolio level costs

Michigan Public Service Commission
Michigan Electric Cooperative Association (MECA) - Midwest Energy Cooperative
Energy Optimization Plan
Program Costs Portfolio Summary
for the six months ended December 31, 2009

Line No.	(Col. 1)	(Col. 2)	(Col. 3)	(Col. 4)	(Col. 5)	(Col. 6)	(Col. 7)	(Col. 8)	(Col. 9)	(Col. 10)
1		2009 actual		2009 planned		Variance: planned - actual				
2	MECA EO Programs	USRCT Results (1)	CCE* Results e/kWh (2)	MWh Savings (3)	Cost	MWh Savings (3)	Cost	Number of applications	MWh Savings	Cost
3	Residential									
4	Low income				\$ 12,511	68.4	\$ 27,391		68.4	\$ 14,880
5	HVAC program				12,416	27.4	21,394		27.4	8,978
6	Energy star product program				18,382	461.5	28,257		461.5	9,875
7	Multi-family program				3,608	25.3	9,979		25.3	6,371
8	Audit and weatherization program				8,989	10.3	4,196		10.3	(4,793)
9	Appliance recycling program				11,456	202.0	26,887		202.0	15,431
10	New construction program				702	3.4	1,940		3.4	1,238
11	Pilot program				4,904	40.6	13,118		40.6	8,214
12	Education program			35.9	2,944	24.4	7,871		(11.5)	4,927
13	Evaluation program				-	-	-		-	-
14					75,912	863.3	141,033			65,121
15	Commercial / Industrial, Secondary									
16	Energy star product program				6,470	196.2	12,013		196.2	5,543
17	C&I prescriptive program				36,002	402.4	61,154		402.4	25,152
18	C & I custom program				4,898	21.0	13,546		21.0	8,648
19	C & I new construction program				-	-	-		-	-
20	C&I RFP program				-	-	-		-	-
21	C & I pilot program				2,115	33.9	5,595		33.9	3,480
22	C&I education program			15.5	1,269	20.4	3,357		4.9	2,088
23	C & I evaluation program				-	-	-		-	-
24					50,754	673.9	95,665			44,911
25	Commercial / Industrial, Primary									
26	C&I prescriptive program				3,889	70.7	10,741		70.7	6,852
27	C & I custom program				862	3.7	2,379		3.7	1,517
28	C & I new construction program				-	-	-		-	-
29	C&I RFP program				-	-	-		-	-
30	C & I pilot program				264	3.8	983		3.8	719
31	C & I education program			1.9	158	2.3	590		0.4	432
32	C & I evaluation program				-	-	-		-	-
33					-	-	-		-	-
34					5,173	80.5	14,693			9,520
35	Other miscellaneous efficiency programs				20.2	-	-		(20.2)	-
36	Self Direct EO Savings				160.0	-	-		160.0	-
37	Total Program Budget and Projected Energy Savings			233.5	\$ 131,839	1,617.7	\$ 251,391		1,704.2	\$ 119,552
38	Savings Target (MWh)			1,617.7		1,617.7				

- Notes:
- (1) The USRCT score and cost of conserved energy for the entire program excludes the Low Income Program USRCT Results from Exhibit A-Rick Morgan
 - (2) Cost of Conserved Energy or lifecycle cost calculated from DSMore
 - (3) MWh savings from DSMore Model
 - (4) Administrative and Infrastructure Costs are included for all portfolio level costs

Michigan Public Service Commission
Michigan Electric Co operative Association (MECA) - Ontonagon County Rural Electrification Association
Energy Optimization Plan
Program Costs Portfolio Summary
for the six months ended December 31, 2009

Line No.	(Col. 1)	(Col. 2)	(Col. 3)	(Col. 4)	(Col. 5)	(Col. 6)	(Col. 7)	(Col. 8)	(Col. 9)	(Col. 10)
1		2009 actual		2009 planned		Variance: planned - actual				
2	MECA EO Programs	USRCT Results (1)	CCE* Results e/kWh (2)	MWh Savings (3)	Cost	MWh Savings (3)	Cost	Number of applications	MWh Savings	Cost
3	Residential									
4	Low income				\$ 3,050	7.9	\$ 2,942		7.9	\$ (108)
5	HVAC program				2,384	3.2	2,297		3.2	(87)
6	Energy star product program				3,649	50.8	3,517		50.8	(132)
7	Multi-family program				1,112	2.9	1,071		2.9	(41)
8	Audit and weatherization program				467	1.2	450		1.2	(17)
9	Appliance recycling program				2,995	23.3	2,887		23.3	(108)
10	New construction program				216	0.4	208		0.4	(8)
11	Pilot program				1,461	4.7	1,408		4.7	(53)
12	Education program			3.8	877	2.8	845		(1.0)	(32)
13	Evaluation program				-	-	-		-	-
14					16,211	97.2	15,625		-	(586)
15	Commercial / Industrial, Secondary									
16	Energy star product program				837	11.6	806		11.6	(31)
17	C&I prescriptive program				4,024	44.9	3,879		44.9	(145)
18	C & I custom program				890	2.4	859		2.4	(31)
19	C & I new construction program				-	-	-		-	-
20	C&I RFP program				-	-	-		-	-
21	C & I pilot program				368	2.1	355		2.1	(13)
22	C&I education program			1.0	221	1.3	213		0.3	(8)
23	C & I evaluation program				-	-	-		-	-
24					6,340	62.3	6,112		-	(228)
25	Commercial / Industrial, Primary									
26	C&I prescriptive program				-	-	-		-	-
27	C & I custom program				-	-	-		-	-
28	C & I new construction program				-	-	-		-	-
29	C&I RFP program				-	-	-		-	-
30	C & I pilot program				-	-	-		-	-
31	C&I education program				-	-	-		-	-
32	C & I evaluation program				-	-	-		-	-
33					-	-	-		-	-
34					-	-	-		-	-
35	Other miscellaneous efficiency programs				-	-	-		-	-
36	Self Direct EO Savings				-	-	-		-	-
37	Total Program Budget and Projected Energy Savings			4.8	\$ 22,551	159.5	\$ 21,737		154.7	\$ (814)
38	Savings Target (MWh)			159.6		159.6				

Notes:
(1) The USRCT score and cost of conserved energy for the entire program excludes the Low Income Program USRCT Results from Exhibit A-Rick Morgan
(2) Cost of Conserved Energy or lifecycle cost calculated from DSMore
(3) MWh savings from DSMore Model
(4) Administrative and Infrastructure Costs are included for all portfolio level costs

Michigan Public Service Commission
Michigan Electric Cooperative Association (MECA) - HomeWorkw Tri-county Electric cooperative
Energy Optimization Plan
Program Costs Portfolio Summary
for the six months ended December 31, 2009

Line No.	(Col. 1)	(Col. 2)	(Col. 3)	(Col. 4)	(Col. 5)	(Col. 6)	(Col. 7)	(Col. 8)	(Col. 9)	(Col. 10)
1		2009 actual		2009 planned		Variance: planned - actual				
2	MECA EO Programs	USRCT Results (1)	CCE* Results e/kWh (2)	MWh Savings (3)	Cost	MWh Savings (3)	Cost	Number of applications	MWh Savings	Cost
3	Residential									
4	Low income				\$ 8,159	48.1	\$ 18,908		48.1	\$ 10,749
5	HVAC program				7,465	19.2	14,768		19.2	7,303
6	Energy star product program				25,577	340.4	21,452		340.4	(4,125)
7	Multi-family program				2,971	17.8	6,888		17.8	3,917
8	Audit and weatherization program				3,408	7.2	2,896		7.2	(512)
9	Appliance recycling program				9,179	141.9	18,560		141.9	9,381
10	New construction program				578	2.4	1,339		2.4	761
11	Pilot program				3,907	28.6	9,055		28.6	5,148
12	Education program			30.3	9,349	17.1	5,433		(13.2)	(3,916)
13	Evaluation program				-	-	-		-	-
14					70,593	622.7	99,299		-	28,706
15	Commercial / Industrial, Secondary									
16	Energy star product program				3,005	100.7	6,346		100.7	3,341
17	C&I prescriptive program				20,598	217.6	29,585		217.6	8,987
18	C & I custom program				3,265	11.4	6,553		11.4	3,288
19	C & I new construction program				-	-	-		-	-
20	C&I RFP program				-	-	-		-	-
21	C & I pilot program				1,251	16.6	2,707		16.6	1,456
22	C&I education program			2.4	749	10.0	1,624		7.6	875
23	C & I evaluation program				-	-	-		-	-
24					28,868	356.3	46,815		-	17,947
25	Commercial / Industrial, Primary									
26	C&I prescriptive program				5,662	99.7	13,554		99.7	7,892
27	C & I custom program				1,255	5.2	3,002		5.2	1,747
28	C & I new construction program				-	-	-		-	-
29	C&I RFP program				-	-	-		-	-
30	C & I pilot program				452	4.9	1,240		4.9	788
31	C&I education program			0.9	270	2.9	744		2.0	474
32	C & I evaluation program				-	-	-		-	-
33					7,639	112.7	18,540		-	10,901
34	Other miscellaneous efficiency programs				200.0	-	-		(200.0)	-
35	Self Direct EO Savings				28.0	-	-		(28.0)	-
36	Total Program Budget and Projected Energy Savings			261.6	\$ 107,100	1,091.7	\$ 164,654		830.1	\$ 57,554
37	Savings Target (MWh)			1,091.7		1,091.7			-	
38									-	

- Notes:
- (1) The USRCT score and cost of conserved energy for the entire program excludes the Low Income Program USRCT Results from Exhibit A-Rick Morgan
 - (2) Cost of Conserved Energy or lifecycle cost calculated from DSMore
 - (3) MWh savings from DSMore Model
 - (4) Administrative and Infrastructure Costs are included for all portfolio level costs

Michigan Public Service Commission
Michigan Electric Cooperative Association (MECA) - Presque Isle Electric & Gas Co-op
Energy Optimization Plan
Program Costs Portfolio Summary
for the six months ended December 31, 2009

Line No.	(Col. 1)	(Col. 2)	(Col. 3)	(Col. 4)	(Col. 5)	(Col. 6)	(Col. 7)	(Col. 8)	(Col. 9)	(Col. 10)
1										
2	MECA EO Programs	USRCT Results (1)	CCE* Results ¢/kWh (2)	MWh Savings (3)	Cost	MWh Savings (3)	Cost	Number of applications	MWh Savings	Cost
3	Residential									
4	Low income			\$ 4,772		40.3	\$ 15,967		40.3	\$ 11,195
5	HVAC program			3,727		16.1	12,471		16.1	8,744
6	Energy star product program			15,476		270.6	17,908		270.6	2,432
7	Multi-family program			1,738		14.9	5,817		14.9	4,079
8	Audit and weatherization program			3,924		6.1	2,446		6.1	(1,478)
9	Appliance recycling program			9,199		119.1	15,673		119.1	6,474
10	New construction program			338		2.0	1,131		2.0	793
11	Pilot program			2,285		24.0	7,647		24.0	5,362
12	Education program			17.0	1,371	14.4	4,588		(2.6)	3,217
13	Evaluation program			-	-	-	-		-	-
14				42,830		507.5	83,648			40,818
15	Commercial / Industrial, Secondary									
16	Energy star product program			2,109		84.1	5,566		84.1	3,457
17	C&I prescriptive program			7,761		214.4	26,611		214.4	18,850
18	C & I custom program			1,719		11.2	5,895		11.2	4,176
19	C & I new construction program			-		-	-		-	-
20	C&I RFP program			-		-	-		-	-
21	C & I pilot program			866		14.6	2,434		14.6	1,568
22	C&I education program			6.4	519	8.8	1,460		2.4	941
23	C & I evaluation program			-	-	-	-		-	-
24				12,974		333.1	41,966			28,992
25	Commercial / Industrial, Primary									
26	C&I prescriptive program			-		40.8	5,058		40.8	5,058
27	C & I custom program			15,534		2.1	1,120		2.1	(14,414)
28	C & I new construction program			-		-	-		-	-
29	C&I RFP program			377		-	-		-	(377)
30	C & I pilot program			-		1.8	463		1.8	463
31	C&I education program			-		1.1	278		1.1	278
32	C & I evaluation program			-		-	-		-	-
33				15,911		45.8	6,919			(8,992)
34	Other miscellaneous efficiency programs			10.7		-	-		(10.7)	-
35	Self Direct EO Savings			-		-	-		-	-
36										
37	Total Program Budget and Projected Energy Savings			34.1	\$ 71,715	886.4	\$ 132,533		852.3	\$ 60,818
38	Savings Target (MWh)			886.4		886.4				

Notes:

- (1) The USRCT score and cost of conserved energy for the entire program excludes the Low Income Program
USRCT Results from Exhibit A-Rick Morgan
- (2) Cost of Conserved Energy or lifecycle cost calculated from DSMore
- (3) MWh savings from DSMore Model
- (4) Administrative and Infrastructure Costs are included for all portfolio level costs

Michigan Public Service Commission
Michigan Electric Cooperative Association (MECA) - Thumb Electric Cooperative
Energy Optimization Plan
Program Costs Portfolio Summary
for the six months ended December 31, 2009

Line No.	(Col. 1)	(Col. 2)	(Col. 3)	(Col. 4)	(Col. 5)	(Col. 6)	(Col. 7)	(Col. 8)	(Col. 9)	(Col. 10)
1				2009 actual		2009 planned		Variance: planned - actual		
2	MECA EO Programs	USRCT Results (1)	CCE* Results e/kWh (2)	MWh Savings (3)	Cost	MWh Savings (3)	Cost	Number of applications	MWh Savings	Cost
3	Residential									
4	Low income				\$ 3,550	27.6	\$ 10,106		27.6	\$ 6,556
5	HVAC program				4,778	11.0	7,894		11.0	3,116
6	Energy star product program				11,834	176.9	12,853		176.9	1,019
7	Multi-family program				1,271	10.2	3,682		10.2	2,411
8	Audit and weatherization program				4,222	4.2	1,548		4.2	(2,674)
9	Appliance recycling program				6,264	81.4	9,921		81.4	3,657
10	New construction program				247	1.4	716		1.4	469
11	Pilot program				1,669	16.4	4,840		16.4	3,171
12	Education program			13.6	1,552	9.8	2,904		(3.8)	1,352
13	Evaluation program				-	-	-		-	-
14					35,387	338.9	54,464		-	19,077
15	Commercial / Industrial, Secondary									
16	Energy star product program				303	27.6	2,006		27.6	1,703
17	C&I prescriptive program				7,065	147.1	9,028		147.1	1,963
18	C & I custom program				690	7.7	2,000		7.7	1,310
19	C & I new construction program				-	-	-		-	-
20	C&I RFP program				-	-	-		-	-
21	C & I pilot program				284	5.0	826		5.0	542
22	C & I education program			2.3	268	3.0	496		0.7	228
23	C & I evaluation program				-	-	-		-	-
24					8,610	190.4	14,356		-	5,746
25	Commercial / Industrial, Primary									
26	C&I prescriptive program				-	-	-		-	-
27	C & I custom program				-	-	-		-	-
28	C & I new construction program				-	-	-		-	-
29	C&I RFP program				-	-	-		-	-
30	C & I pilot program				-	-	-		-	-
31	C & I education program				-	-	-		-	-
32	C & I evaluation program				-	-	-		-	-
33					-	-	-		-	-
34					-	-	-		-	-
35	Other miscellaneous efficiency programs				48.3	-	-		(48.3)	-
36	Self Direct EO Savings				-	-	-		-	-
37	Total Program Budget and Projected Energy Savings				64.2	\$ 43,997	529.3	\$ 68,820	465.1	\$ 24,823
38	Savings Target (MWh)				529.3		529.3			

- Notes:
- (1) The USRCT score and cost of conserved energy for the entire program excludes the Low Income Program USRCT Results from Exhibit A-Rick Morgan
 - (2) Cost of Conserved Energy or lifecycle cost calculated from DSMore
 - (3) MWh savings from DSMore Model
 - (4) Administrative and Infrastructure Costs are included for all portfolio level costs

Michigan Electric Cooperative Association (MECA)
Energy Optimization - 2009 Plan Reconciliation, All Cooperatives
Surcharge Revenue and Program Costs By Class and Total

Line	(a) Description	(b)	(c)	(d)	(e)
		Residential	C&I Secondary	C&I Primary	Total
	<u>Annual Summary</u>	Exh. Page 1(a)	Exh. Page 1(b)	Exh. Page 1(c)	
1	Surcharge Revenue	\$ 1,031,875	\$ 387,490	\$ 127,023	\$ 1,546,388
2	Low income	201,844	-	-	201,844
3	Total surcharge revenue	1,233,719	387,490	127,023	1,748,232
4	Program Expenses:				
5	Low Income	52,329	-	-	52,329
6	HVAC program	45,377	-	-	45,377
7	Energy star product program	152,347	18,143	-	170,490
8	Multi-family program	14,177	-	-	14,177
9	Audit and weatherization program	29,121	-	-	29,121
10	Appliance recycling program	59,043	-	-	59,043
11	New construction program	2,753	-	-	2,753
12	Piolt program	18,803	6,317	1,555	26,675
13	C & I RPF program	-	-	377	377
14	C & I precribtive program	-	112,295	39,455	151,750
15	C & I custom program	-	14,939	21,756	36,695
16	Education	39,245	8,987	3,611	51,843
17	Evaluation program	-	-	-	-
18	Total Program Expenses	413,195	160,681	66,754	640,630
19	Over (under) recovery, line 3 less line 18	\$ 820,524	\$ 226,809	\$ 60,269	\$ 1,107,602

Michigan Electric Cooperative Association (MECA)
Energy Optimization - 2009 Plan Reconciliation
Residential Surcharge Revenue and Program Costs By Cooperative and Total

Line	(a) Description	(b) Total Residential	(c) Alger Delta	(d) Clover- land	(e) Great Lakes	(f) Midwest	(g) Ontonagon	(h) Presque Isle	(i) Thumb	(j) Tri- County
Annual Summary										
1	Surcharge Revenue	\$ 1,031,875	\$ 44,943	\$ 58,132	\$ 429,649	\$ 176,943	\$ 20,479	\$ 92,380	\$ 78,715	\$ 130,634
2	Low income	201,844	7,373	12,190	84,201	37,538	3,282	18,543	12,168	26,549
3	Total surcharge revenue	1,233,719	52,316	70,322	513,850	214,481	23,761	110,923	90,883	157,183
4	Program Expenses:									
5	Low Income	52,329	-	8,340	11,947	12,511	3,050	4,772	3,550	8,159
6	HVAC program	45,377	-	6,738	7,869	12,416	2,384	3,727	4,778	7,465
7	Energy star product program	152,347	7,466	11,112	58,851	18,382	3,649	15,476	11,834	25,577
8	Multi-family program	14,177	-	-	3,477	3,608	1,112	1,738	1,271	2,971
9	Audit and weatherization program	29,121	952	-	7,159	8,989	467	3,924	4,222	3,408
10	Appliance recycling program	59,043	6,099	-	13,851	11,456	2,995	9,199	6,264	9,179
11	New construction program	2,753	-	-	672	702	216	338	247	578
12	Piolt program	18,803	-	-	4,577	4,904	1,461	2,285	1,669	3,907
13	Education	39,245	3,894	4,450	14,808	2,944	877	1,371	1,552	9,349
14	Evaluation program	-	-	-	-	-	-	-	-	-
15	Total residential program expenses	413,195	18,411	30,640	123,211	75,912	16,211	42,830	35,387	70,593
16	Excess (deficiency) revenues over costs	\$ 820,524	\$ 33,905	\$ 39,682	\$ 390,639	\$ 138,569	\$ 7,550	\$ 68,093	\$ 55,496	\$ 86,590

**Michigan Electric Cooperative Association (MECA)
Energy Optimization - 2009 Plan Reconciliation
Commercial & Industrial, Secondary, Surcharge Revenue and Program Costs By Coopeartive and Total**

Line	(a) Description	(b) Total C & I, Secondary	(c) Alger Delta	(d) Clover- land	(e) Great Lakes	(d) Midwest	(e) Ontonagon	(f) Presque Isle	(g) Thumb	(h) Tri- County
<u>Annual Summary</u>										
1	Surcharge Revenue	\$ 387,490	\$ 11,790	\$ 34,806	\$ 135,272	\$ 88,855	\$ 4,778	\$ 41,190	\$ 14,917	\$ 55,882
2	Program Expenses:									
3	Energy star product program	18,143	1,668	362	3,389	6,470	837	2,109	303	3,005
6	C & I prescriptive program	112,295	-	1,731	35,114	36,002	4,024	7,761	7,065	20,598
7	C & I custom program	14,939	-	-	3,477	4,898	890	1,719	690	3,265
8	C & I new construction program	-	-	-	-	-	-	-	-	-
9	C & I RFP program	-	-	-	-	-	-	-	-	-
10	C & I pilot porgram	6,317	-	-	1,433	2,115	368	866	284	1,251
11	C & I education program	8,987	935	896	4,130	1,269	221	519	268	749
12	C & I evaluation program	-	-	-	-	-	-	-	-	-
13										
14	Total C & I secondary expenses	160,681	2,603	2,989	47,543	50,754	6,340	12,974	8,610	28,868
16	Excess (deficiency) revenues over costs	\$ 226,809	\$ 9,187	\$ 31,817	\$ 87,729	\$ 38,101	\$ (1,562)	\$ 28,216	\$ 6,307	\$ 27,014

Michigan Electric Cooperative Association (MECA)
Energy Optimization - 2009 Plan Reconciliation
Commercial & Industrial, Primary, Surcharge Revenue and Program Costs By Cooperative and Total

Line	(a) Description	(b) Total C & I, Primary	(c) Alger Delta	(d) Clover- land	(e) Great Lakes	(d) Midwest	(e) Ontonagon	(f) Presque Isle	(g) Thumb	(h) Tri- County
Annual Summary										
1	Surcharge Revenue	\$ 127,023	\$ -	\$ 876	\$ 83,057	\$ 18,927	\$ -	\$ 9,133	\$ -	\$ 15,030
2	Program Expenses:									
3	C & I prescriptive program	39,455	-	524	29,380	3,889	-	-	-	5,662
4	C & I custom program	21,756	-	-	4,105	862	-	15,534	-	1,255
5	C & I new construction program	-	-	-	-	-	-	-	-	-
6	C & I RFP program	377	-	-	-	-	-	377	-	-
7	C & I pilot program	1,555	-	-	839	264	-	-	-	452
8	C & I education program	3,611	-	272	2,911	158	-	-	-	270
10	C & I evaluation program	-	-	-	-	-	-	-	-	-
11										
12	Total C & I secondary expenses	66,754	-	796	37,235	5,173	-	15,911	-	7,639
13	Excess (deficiency) revenues over costs	\$ 60,269	\$ -	\$ 80	\$ 45,822	\$ 13,754	\$ -	\$ (6,778)	\$ -	\$ 7,391