

Schedule E

Case No.: U-14838
Exhibit No.: DE-5
Schedule: E
Witness: M. L. Heiser
M. R. Williamson

The Detroit Edison Company

Cost of Service

Year 2005

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- E2 Functionalization Overview
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The Detroit Edison Company
Unbundled Cost of Service Excluding Securitization Bond
Year Ending December 31, 2005 4 CP multi-hour Staff Method
(thousands of dollars)

		(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Total	Alloc	Total	Total	Total	Total	Total
	Alloc	Electric	Juris	Residential	Commercial	Primary	Government	Wholesale
1	Rate Base	7,455,749	7,315,008	3,389,468	1,686,937	1,843,583	395,019	140,737
2	Revenue excl Securitization Bond	4,212,939	4,138,836	1,702,815	951,372	1,285,456	199,194	58,814
3	Expenses:							
4	Fuel	941,118	908,030	362,045	166,055	330,228	49,702	33,088
5	Purchased Power	569,998	545,926	196,154	90,034	230,493	29,245	24,072
6	O & M Expense	1,346,535	1,320,436	689,211	281,378	298,379	51,467	26,062
7	Depreciation	492,529	484,869	232,130	113,184	115,257	24,298	7,659
8	Other (Net Reg Assets)	903 36,182	36,182	14,174	6,895	13,256	1,858	-
9	Gain on Sale of Allowances	192 (2,933)	(2,806)	(1,106)	(504)	(1,040)	(157)	(127)
10	Other Taxes	239,232	234,342	109,510	52,739	60,146	11,947	4,877
11	Income Taxes	147,132	156,089	6,778	70,678	70,984	7,649	(14,291)
12	Amortizations	0	0	0	0	0	0	-
13	Total Expenses	3,769,792	3,683,068	1,608,895	780,460	1,117,703	176,011	81,340
14	Net Oper Income	443,147	455,769	93,920	170,913	167,753	23,183	(22,526)
15	AFUDC	505 6,107	5,979	2,678	1,394	1,594	312	128
16	Net Adjustments	42,284	42,034	80,357	(15,370)	(20,965)	(1,989)	250
17	Adj Net Oper Income	491,538	503,781	176,956	156,937	148,383	21,506	(22,147)
18	Rate of Return	6.59%	6.89%	5.22%	9.30%	8.05%	5.44%	-15.74%
19	Return @ 7.14 %	532,340	522,292	242,008	120,447	131,632	28,204	10,049
20	Income Deficiency	40,802	18,511	65,052	(36,490)	(16,751)	6,699	32,196
21	Base Revenue Def / (Sufficiency)	64,186	29,119	102,334	(57,402)	(26,351)	10,538	50,647
22	Additional Rev Req	0	21,785	8,548	4,094	8,031	1,111	(21,785)
23	Total Revenue Def/ (Sufficiency)	64,186	50,904	110,882	(53,308)	(18,319)	11,649	28,862
24	Change in Revenue Due to Adj.	902 13,153	13,075	24,996	(4,781)	(6,521)	(619)	78
25	Revenue Requirement	4,290,278	4,202,815	1,838,693	893,283	1,260,615	210,224	87,755
26	Revenue as % of Rev Req	98.20%	98.48%	92.61%	106.50%	101.97%	94.75%	67.02%

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		(8) D-1/Other Residential Service	(9) D-2 Residential Space Ht	(10) Total Residential	(11) D-3/Other General Service	(12) D-4 Lg Genl Service	(13) Total Commercial Secondary
1	Rate Base	3,320,889	68,579	3,389,468	1,495,478	191,460	1,686,937
2	Revenue excl Securitization Bond	1,670,371	32,444	1,702,815	842,055	109,317	951,372
3	Expenses:						
4	Fuel	353,803	8,242	362,045	147,041	19,014	166,055
5	Purchased Power	191,428	4,726	196,154	79,073	10,960	90,034
6	O & M Expense	675,548	13,663	689,211	249,969	31,410	281,378
7	Depreciation	227,197	4,933	232,130	99,969	13,215	113,184
8	Other (Net Reg Assets)	13,882	291	14,174	6,150	745	6,895
9	Gain on Sale of Allowances	(1,081)	(25)	(1,106)	(444)	(60)	(504)
10	Other Taxes	107,249	2,261	109,510	46,791	5,948	52,739
11	Income Taxes	7,946	(1,168)	6,778	62,424	8,254	70,678
12	Amortizations	0	0	0	0	0	0
13	Total Expenses	1,575,972	32,922	1,608,895	690,973	89,486	780,460
14	Net Oper Income	94,399	(478)	93,920	151,082	19,831	170,913
15	AFUDC	2,622	56	2,678	1,235	159	1,394
16	Net Adjustments	79,016	1,341	80,357	(13,643)	(1,727)	(15,370)
17	Adj Net Oper Income	176,037	919	176,956	138,675	18,262	156,937
18	Rate of Return	5.30%	1.34%	5.22%	9.27%	9.54%	18.81%
19	Return @ 7.14 %	237,111	4,897	242,008	106,777	13,670	120,447
20	Income Deficiency	61,075	3,978	65,052	(31,897)	(4,592)	(36,490)
21	Base Revenue Def / (Sufficiency)	96,076	6,257	102,334	(50,178)	(7,224)	(57,402)
22	Additional Rev Req	8,373	175	8,548	3,656	438	4,094
23	Total Revenue Def/ (Sufficiency)	104,449	6,433	110,882	(46,522)	(6,786)	(53,308)
24	Change in Revenue Due to Adj.	24,579	417	24,996	(4,244)	(537)	(4,781)
25	Revenue Requirement	1,799,399	39,294	1,838,693	791,290	101,994	893,283
26	Revenue as % of Rev Req	92.83%	82.57%	92.61%	106.42%	107.18%	106.50%

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		(14) D-6/Other	(15) D-7 Transitional	(16) D-8 Interrupt	(17) R-1.1/R-1.2 Metal Melt Process Heat	(18) R-10 Interrupt	(19) Total
	<u>Alloc</u>	<u>Primary</u>	<u>Firm</u>	<u>Supply</u>		<u>Supply</u>	<u>Primary</u>
1 Rate Base		1,133,594	489,791	67,170	62,016	91,011	1,843,583
2 Revenue excl Securitization Bond		806,479	323,647	49,703	36,599	69,028	1,285,456
3 Expenses:							
4 Fuel		199,127	107,484	11,831	9,480	2,307	330,228
5 Purchased Power		114,623	64,686	8,357	6,287	36,540	230,493
6 O & M Expense		179,871	81,613	11,651	10,277	14,967	298,379
7 Depreciation		72,641	29,847	4,057	3,581	5,131	115,257
8 Other (Net Reg Assets)	903	7,712	4,028	455	387	674	13,256
9 Gain on Sale of Allowances	192	(623)	(343)	(42)	(32)	-	(1,040)
10 Other Taxes		36,608	16,225	2,196	2,007	3,110	60,146
11 Income Taxes		60,882	3,898	3,460	1,165	1,580	70,984
12 Amortizations		0	0	0	0	0	0
13 Total Expenses		670,842	307,437	41,965	33,151	64,308	1,117,703
14 Net Oper Income		135,637	16,209	7,739	3,449	4,719	167,753
15 AFUDC	505	988	414	59	55	79	1,594
16 Net Adjustments		(15,127)	(4,324)	(503)	(371)	(640)	(20,965)
17 Adj Net Oper Income		121,498	12,299	7,294	3,133	4,158	(19,370)
18 Rate of Return		10.72%	2.51%	10.86%	5.05%	4.57%	-1.05%
19 Return @ 7.14 %		80,939	34,971	4,796	4,428	6,498	131,632
20 Income Deficiency		(40,559)	22,672	(2,498)	1,295	2,340	(16,751)
21 Base Revenue Def / (Sufficiency)		(63,803)	35,665	(3,930)	2,036	3,681	(26,351)
22 Additional Rev Req		4,635	2,459	272	235	430	8,031
23 Total Revenue Def/ (Sufficiency)		(59,169)	38,124	(3,658)	2,272	4,112	(18,319)
24 Change in Revenue Due to Adj.	902	(4,705)	(1,345)	(156)	(115)	(199)	(6,521)
25 Revenue Requirement		742,605	360,426	45,888	38,756	72,940	1,260,615
26 Revenue as % of Rev Req		108.60%	89.80%	108.31%	94.44%	94.64%	101.97%

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(thousands of dollars)

		(20) LCC	(21) E-1 St Lgt D9 OPL E-2 Signals	(22) Total LCC/ Other
	<u>Alloc</u>	-		
1	Rate Base	220,110	174,909	395,019
2	Revenue excl Securitization Bond	141,064	58,130	199,194
3	Expenses:			
4	Fuel	43,290	6,412	49,702
5	Purchased Power	25,156	4,089	29,245
6	O & M Expense	35,355	16,113	51,467
7	Depreciation	13,203	11,095	24,298
8	Other (Net Reg Assets) 903	1,667	191	1,858
9	Gain on Sale of Allowances 192	(136)	(21)	(157)
10	Other Taxes	7,185	4,762	11,947
11	Income Taxes	3,898	3,751	7,649
12	Amortizations	<u>0</u>	<u>0</u>	<u>0</u>
13	Total Expenses	129,618	46,392	176,011
14	Net Oper Income	11,446	11,737	23,183
15	AFUDC 505	191	121	312
16	Net Adjustments	<u>(1,781)</u>	<u>(209)</u>	<u>(1,989)</u>
17	Adj Net Oper Income	9,856	11,650	21,506
18	Rate of Return	4.48%	6.66%	5.44%
19	Return @ 7.14 %	15,716	12,489	28,204
20	Income Deficiency	5,860	839	6,699
21	Base Revenue Def / (Sufficiency)	9,218	1,319	10,538
22	Additional Rev Req	<u>1,017</u>	<u>95</u>	<u>1,111</u>
23	Total Revenue Def/ (Sufficiency)	10,235	1,414	11,649
24	Change in Revenue Due to Adj. 902	<u>(554)</u>	<u>(65)</u>	<u>(619)</u>
25	Revenue Requirement	150,745	59,479	210,224
26	Revenue as % of Rev Req	93.58%	97.73%	94.75%

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		(1) -	(2) Alloc	(3)	(4) Total	(5)	(6)	(7)
		Total	Electric	Total	Commercial	Total	Total	Total
	Alloc	Electric	Electric	Residential	Secondary	Primary	Government	Wholesale
1	Rate Base	3,907,101	3,772,448	1,477,781	718,850	1,382,075	193,743	134,647
2	Revenue excl Securitization Bond	2,789,866	2,717,064	1,020,706	524,399	1,044,580	127,379	57,515
3	Expenses:							
4	Fuel	941,118	908,030	362,045	166,055	330,228	49,702	33,088
5	Purchased Power	569,998	545,926	196,154	90,034	230,493	29,245	24,072
6	O & M Expense	630,858	604,929	232,356	108,521	231,374	32,678	25,928
7	Depreciation	246,514	239,021	90,393	47,733	89,210	11,684	7,493
8	Other (Net Reg Assets)	903 36,182	36,182	14,174	6,895	13,256	1,858	-
9	Gain on Sale of Allowances	192 (2,933)	(2,806)	(1,106)	(504)	(1,040)	(157)	(127)
10	Other Taxes	130,758	125,962	49,288	23,620	46,564	6,489	4,791
11	Income Taxes	59,922	69,164	18,695	24,789	28,221	(2,540)	(14,592)
12	Amortizations	0	0	0	0	0	0	-
13	Total Expenses	2,612,417	2,526,408	961,999	467,143	968,306	128,960	80,653
14	Net Oper Income	177,450	190,655	58,707	57,256	76,274	(1,581)	(23,139)
15	AFUDC	505 6,107	5,979	2,678	1,394	1,594	312	128
16	Net Adjustments	38,265	38,017	69,769	(12,095)	(17,770)	(1,886)	248
17	Adj Net Oper Income	221,822	234,651	131,154	46,555	60,098	(3,156)	(22,763)
18	Rate of Return	5.68%	6.22%	8.88%	6.48%	4.35%	-1.63%	(0)
19	Return @ 7.14 %	278,967	269,353	105,514	51,326	98,680	13,833	9,614
20	Income Deficiency	57,145	34,702	(25,640)	4,771	38,582	16,989	32,376
21	Base Revenue Def / (Sufficiency)	89,895	54,589	(40,334)	7,505	60,694	26,725	50,931
22	Additional Rev Req	-	21,785	8,548	4,094	8,031	1,111	(21,785)
23	Total Revenue Def/ (Sufficiency)	89,895	76,374	(31,786)	11,599	68,725	27,836	29,146
24	Change in Revenue Due to Adj.	902 11,903	11,826	21,702	(3,762)	(5,528)	(587)	77
25	Revenue Requirement	2,891,664	2,805,263	1,010,622	532,236	1,107,777	154,628	86,738
26	Revenue as % of Rev Req	96.48%	96.86%	101.00%	98.53%	94.30%	82.38%	66.31%

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		(8) D-1/Other Residential Service	(9) D-2 Residential Space Ht	(10) Total Residential	(11) D-3/Other General Service	(12) D-4 Lg Genl Service	(13) Total Commercial Secondary
	<u>Alloc</u>						
1	Rate Base	1,447,392	30,388	1,477,781	641,194	77,656	718,850
2	Revenue excl Securitization Bond	1,000,452	20,254	1,020,706	464,941	59,458	524,399
3	Expenses:						
4	Fuel	353,803	8,242	362,045	147,041	19,014	166,055
5	Purchased Power	191,428	4,726	196,154	79,073	10,960	90,034
6	O & M Expense	227,122	5,234	232,356	96,020	12,501	108,521
7	Depreciation	88,492	1,901	90,393	42,034	5,700	47,733
8	Other (Net Reg Assets)	903 13,882	291	14,174	6,150	745	6,895
9	Gain on Sale of Allowances	192 (1,081)	(25)	(1,106)	(444)	(60)	(504)
10	Other Taxes	48,259	1,029	49,288	21,049	2,571	23,620
11	Income Taxes	19,266	(571)	18,695	22,389	2,400	24,789
12	Amortizations	0	0	0	0	0	0
13	Total Expenses	941,171	20,827	961,999	413,312	53,832	467,143
14	Net Oper Income	59,281	(574)	58,707	51,629	5,626	57,256
15	AFUDC	505 2,622	56	2,678	1,235	159	1,394
16	Net Adjustments	68,571	1,197	69,769	(10,748)	(1,347)	(12,095)
17	Adj Net Oper Income	130,474	679	131,154	42,116	4,439	46,555
18	Rate of Return	0	0	0	0	0	0
19	Return @ 7.14 %	103,344	2,170	105,514	45,781	5,545	51,326
20	Income Deficiency	(27,130)	1,490	(25,640)	3,665	1,106	4,771
21	Base Revenue Def / (Sufficiency)	(42,679)	2,344	(40,334)	5,765	1,740	7,505
22	Additional Rev Req	8,373	175	8,548	3,656	438	4,094
23	Total Revenue Def/ (Sufficiency)	(34,306)	2,520	(31,786)	9,422	2,177	11,599
24	Change in Revenue Due to Adj.	902 21,330	372	21,702	(3,343)	(419)	(3,762)
25	Revenue Requirement	987,476	23,146	1,010,622	471,019	61,217	532,236
26	Revenue as % of Rev Req	101.31%	87.50%	101.00%	98.71%	97.13%	98.53%

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		(14) D-6/Other	(15) D-7 Transitional	(16) D-8 Interrupt	(17) R-1.1/R-1.2 Metal Melt Process Heat	(18) R-10 Interrupt	(19) Total
	<u>Alloc</u>	<u>Primary</u>	<u>Firm</u>	<u>Supply</u>		<u>Supply</u>	<u>Primary</u>
1 Rate Base		804,110	419,924	47,399	40,383	70,259	1,382,075
2 Revenue excl Securitization Bond		588,005	328,598	38,399	29,826	59,753	1,044,580
3 Expenses:							
4 Fuel		199,127	107,484	11,831	9,480	2,307	330,228
5 Purchased Power		114,623	64,686	8,357	6,287	36,540	230,493
6 O & M Expense		131,367	72,248	8,780	6,962	12,017	231,374
7 Depreciation		53,426	26,492	2,925	2,269	4,098	89,210
8 Other (Net Reg Assets)	903	7,712	4,028	455	387	674	13,256
9 Gain on Sale of Allowances	192	(623)	(343)	(42)	(32)	-	(1,040)
10 Other Taxes		26,832	14,237	1,619	1,368	2,509	46,564
11 Income Taxes		14,659	11,308	1,290	847	116	28,221
12 Amortizations		0	0	0	0	0	0
13 Total Expenses		547,124	300,139	35,215	27,567	58,261	968,306
14 Net Oper Income		40,881	28,459	3,184	2,258	1,492	76,274
15 AFUDC	505	988	414	59	55	79	1,594
16 Net Adjustments		(12,166)	(4,111)	(477)	(372)	(644)	(17,770)
17 Adj Net Oper Income		29,703	24,763	2,765	1,941	926	(16,176)
18 Rate of Return		0	0	0	0	0	(0)
19 Return @ 7.14 %		57,413	29,983	3,384	2,883	5,017	98,680
20 Income Deficiency		27,711	5,220	619	942	4,090	38,582
21 Base Revenue Def / (Sufficiency)		43,592	8,211	974	1,482	6,434	60,694
22 Additional Rev Req		4,635	2,459	272	235	430	8,031
23 Total Revenue Def/ (Sufficiency)		48,226	10,670	1,246	1,718	6,864	68,725
24 Change in Revenue Due to Adj.	902	(3,784)	(1,279)	(149)	(116)	(200)	(5,528)
25 Revenue Requirement		632,447	337,990	39,496	31,427	66,417	1,107,777
26 Revenue as % of Rev Req		92.97%	97.22%	97.22%	94.90%	89.97%	94.30%

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(thousands of dollars)

		(20) LCC	(21) E-1 St Lgt D9 OPL E-2 Signals	(22) Total LCC/ Other
	<u>Alloc</u>	-		
1	Rate Base	173,818	19,925	193,743
2	Revenue excl Securitization Bond	108,811	18,568	127,379
3	Expenses:			
4	Fuel	43,290	6,412	49,702
5	Purchased Power	25,156	4,089	29,245
6	O & M Expense	28,814	3,864	32,678
7	Depreciation	10,647	1,037	11,684
8	Other (Net Reg Assets) 903	1,667	191	1,858
9	Gain on Sale of Allowances 192	(136)	(21)	(157)
10	Other Taxes	5,849	640	6,489
11	Income Taxes	(3,338)	798	(2,540)
12	Amortizations	0	0	0
13	Total Expenses	111,950	17,010	128,960
14	Net Oper Income	(3,139)	1,558	(1,581)
15	AFUDC 505	191	121	312
16	Net Adjustments	(1,703)	(184)	(1,886)
17	Adj Net Oper Income	(4,651)	1,495	(3,156)
18	Rate of Return	(0)	0	(0)
19	Return @ 7.14 %	12,411	1,423	13,833
20	Income Deficiency	17,062	(73)	16,989
21	Base Revenue Def / (Sufficiency)	26,840	(114)	26,725
22	Additional Rev Req	1,017	95	1,111
23	Total Revenue Def/ (Sufficiency)	27,856	(20)	27,836
24	Change in Revenue Due to Adj. 902	(530)	(57)	(587)
25	Revenue Requirement	136,137	18,491	154,628
26	Revenue as % of Rev Req	79.93%	100.42%	82.38%

Section A
Distribution

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PAGE 1

The Detroit Edison Company
Unbundled Cost of Service Excluding Securitization Bond
Year Ending December 31, 2005 4 CP multi-hour Staff Method
(thousands of dollars)

		(1) -	(2) Alloc	(3)	(4) Total	(5)	(6)	(7)
		Total	Alloc	Total	Commercial	Total	Total	Total
	Alloc	Electric	Electric	Residential	Secondary	Primary	Government	Wholesale
1	Rate Base	3,548,648	3,542,560	1,911,687	968,088	461,509	201,277	6,090
2	Revenue excl Securitization Bond	1,423,072	1,421,773	682,109	426,973	240,876	71,815	1,299
3	Expenses:							
4	Fuel	0	0	0	0	0	0	0
5	Purchased Power	0	0	0	0	0	0	0
6	O & M Expense	715,677	715,506	456,856	172,857	67,004	18,789	134
7	Depreciation	246,015	245,848	141,736	65,450	26,047	12,614	166
8	Other (Net Reg Assets)	903	-	-	-	-	-	-
9	Gain on Sale of Allowances	192	-	-	-	-	-	-
10	Other Taxes	108,473	108,380	60,221	29,119	13,582	5,457	86
11	Income Taxes	87,210	86,925	(11,917)	45,890	42,763	10,189	301
12	Amortizations	0	0	0	0	0	0	-
13	Total Expenses	1,157,375	1,156,660	646,896	313,316	149,397	47,051	687
14	Net Oper Income	265,697	265,113	35,213	113,657	91,479	24,764	613
15	AFUDC	505	(0)	(0)	(0)	(0)	(0)	(0)
16	Net Adjustments	4,019	4,017	10,589	(3,275)	(3,194)	(103)	2
17	Adj Net Oper Income	269,716	269,130	45,802	110,382	88,285	24,661	615
18	Rate of Return	7.60%	7.60%	2.40%	11.40%	19.13%	12.25%	10%
19	Return @ 7.14 %	253,373	252,939	136,494	69,121	32,952	14,371	435
20	Income Deficiency	(16,343)	(16,191)	90,692	(41,260)	(55,333)	(10,290)	(180)
21	Base Revenue Def / (Sufficiency)	(25,709)	(25,470)	142,668	(64,907)	(87,044)	(16,187)	(284)
22	Additional Rev Req	0	0	0	0	0	0	-
23	Total Revenue Def/ (Sufficiency)	(25,709)	(25,470)	142,668	(64,907)	(87,044)	(16,187)	(284)
24	Change in Revenue Due to Adj.	902	1,250	3,294	(1,019)	(994)	(32)	1
25	Revenue Requirement	1,398,614	1,397,552	828,071	361,047	152,838	55,595	1,017
26	Revenue as % of Rev Req	101.75%	101.73%	82.37%	118.26%	157.60%	129.17%	127.84%

Section A
Distribution

Case No.: U-14838 .
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The Detroit Edison Company
Unbundled Cost of Service Excluding Securitization Bond
Year Ending December 31, 2005 4 CP multi-hour Staff Method
(thousands of dollars)

		(8) D-1/Other Residential Service	(9) D-2 Residential Space Ht	(10) Total Residential	(11) D-3/Other General Service	(12) D-4 Lg Genl Service	(13) Total Commercial Secondary
1	Rate Base	1,873,497	38,190	1,911,687	854,283	113,804	968,088
2	Revenue excl Securitization Bond	669,919	12,190	682,109	377,114	49,859	426,973
3	Expenses:						
4	Fuel	0	0	0	0	0	0
5	Purchased Power	0	0	0	0	0	0
6	O & M Expense	448,426	8,430	456,856	153,949	18,908	172,857
7	Depreciation	138,705	3,031	141,736	57,936	7,515	65,450
8	Other (Net Reg Assets)	903	-	-	-	-	-
9	Gain on Sale of Allowances	192	-	-	-	-	-
10	Other Taxes	58,990	1,232	60,221	25,742	3,377	29,119
11	Income Taxes	(11,320)	(597)	(11,917)	40,036	5,854	45,890
12	Amortizations	0	0	0	0	0	0
13	Total Expenses	634,801	12,095	646,896	277,662	35,655	313,316
14	Net Oper Income	35,118	95	35,213	99,453	14,204	113,657
15	AFUDC	505	(0)	(0)	(0)	(0)	(0)
16	Net Adjustments	10,445	144	10,589	(2,894)	(381)	(3,275)
17	Adj Net Oper Income	45,563	239	45,802	96,558	13,824	110,382
18	Rate of Return	0	0	0	0	0	0
19	Return @ 7.14 %	133,768	2,727	136,494	60,996	8,126	69,121
20	Income Deficiency	88,205	2,487	90,692	(35,562)	(5,698)	(41,260)
21	Base Revenue Def / (Sufficiency)	138,755	3,913	142,668	(55,943)	(8,963)	(64,907)
22	Additional Rev Req	0	0	0	0	0	0
23	Total Revenue Def/ (Sufficiency)	138,755	3,913	142,668	(55,943)	(8,963)	(64,907)
24	Change in Revenue Due to Adj.	902	45	3,294	(900)	(118)	(1,019)
25	Revenue Requirement	811,923	16,148	828,071	320,271	40,777	361,047
26	Revenue as % of Rev Req	82.51%	75.49%	82.37%	117.75%	122.27%	118.26%

Section A
Distribution

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The Detroit Edison Company
Unbundled Cost of Service Excluding Securitization Bond
Year Ending December 31, 2005 4 CP multi-hour Staff Method
(thousands of dollars)

		(14) D-6/Other	(15) D-7 Transitional	(16) D-8 Interrupt	(17) R-1.1/R-1.2 Metal Melt Process Heat	(18) R-10 Interrupt	(19) Total
	<u>Alloc</u>	<u>Primary</u>	<u>Firm</u>	<u>Supply</u>		<u>Supply</u>	<u>Primary</u>
1 Rate Base		329,485	69,868	19,772	21,633	20,752	461,509
2 Revenue excl Securitization Bond		218,474	(4,951)	11,305	6,774	9,275	240,876
3 Expenses:							
4 Fuel		0	0	0	0	0	0
5 Purchased Power		0	0	0	0	0	0
6 O & M Expense		48,503	9,365	2,871	3,315	2,950	67,004
7 Depreciation		19,216	3,355	1,132	1,311	1,033	26,047
8 Other (Net Reg Assets)	903	-	-	-	-	-	-
9 Gain on Sale of Allowances	192	-	-	-	-	-	-
10 Other Taxes		9,776	1,989	577	639	601	13,582
11 Income Taxes		46,223	(7,410)	2,170	318	1,464	42,763
12 Amortizations		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
13 Total Expenses		123,718	7,299	6,750	5,583	6,047	149,397
14 Net Oper Income		94,756	(12,250)	4,555	1,190	3,227	91,479
15 AFUDC	505	(0)	(0)	(0)	(0)	(0)	(0)
16 Net Adjustments		<u>(2,961)</u>	<u>(214)</u>	<u>(25)</u>	<u>2</u>	<u>4</u>	<u>(3,194)</u>
17 Adj Net Oper Income		91,795	(12,463)	4,529	1,192	3,232	(3,194)
18 Rate of Return		27.86%	-17.84%	22.91%	5.51%	15.57%	-0.69%
19 Return @ 7.14 %		23,525	4,989	1,412	1,545	1,482	32,952
20 Income Deficiency		(68,270)	17,452	(3,118)	352	(1,750)	(55,333)
21 Base Revenue Def / (Sufficiency)		(107,395)	27,454	(4,904)	554	(2,753)	(87,044)
22 Additional Rev Req		0	0	0	0	0	0
23 Total Revenue Def/ (Sufficiency)		<u>(107,395)</u>	<u>27,454</u>	<u>(4,904)</u>	<u>554</u>	<u>(2,753)</u>	<u>(87,044)</u>
24 Change in Revenue Due to Adj.	902	<u>(921)</u>	<u>(66)</u>	<u>(8)</u>	<u>1</u>	<u>1</u>	<u>(994)</u>
25 Revenue Requirement		110,158	22,436	6,392	7,328	6,523	152,838
26 Revenue as % of Rev Req		198.33%	-22.07%	176.84%	92.43%	142.18%	157.60%

Section A
Distribution

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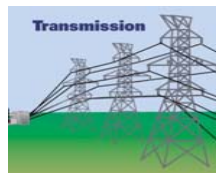
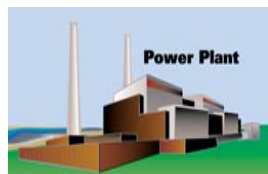
The Detroit Edison Company
Unbundled Cost of Service Excluding Securitization Bond
Year Ending December 31, 2005 4 CP multi-hour Staff Method
(thousands of dollars)

		(20) LCC	(21) E-1 St Lgt D9 OPL E-2 Signals	(22) Total LCC/ Other
	<u>Alloc</u>	-		
1	Rate Base	46,292	154,984	201,277
2	Revenue excl Securitization Bond	32,253	39,562	71,815
3	Expenses:			
4	Fuel	0	0	0
5	Purchased Power	-	0	0
6	O & M Expense	6,541	12,249	18,789
7	Depreciation	2,556	10,058	12,614
8	Other (Net Reg Assets) 903	-	-	-
9	Gain on Sale of Allowances 192	-	-	-
10	Other Taxes	1,335	4,122	5,457
11	Income Taxes	7,236	2,953	10,189
12	Amortizations	<u>0</u>	<u>0</u>	<u>0</u>
13	Total Expenses	17,668	29,382	47,051
14	Net Oper Income	14,585	10,180	24,764
15	AFUDC 505	(0)	(0)	(0)
16	Net Adjustments	<u>(78)</u>	<u>(25)</u>	<u>(103)</u>
17	Adj Net Oper Income	14,507	10,155	24,661
18	Rate of Return	31.34%	0	12.25%
19	Return @ 7.14 %	3,305	11,066	14,371
20	Income Deficiency	(11,202)	911	(10,290)
21	Base Revenue Def / (Sufficiency)	(17,621)	1,434	(16,187)
22	Additional Rev Req	<u>0</u>	<u>0</u>	<u>0</u>
23	Total Revenue Def/ (Sufficiency)	(17,621)	1,434	(16,187)
24	Change in Revenue Due to Adj. 902	<u>(24)</u>	<u>(8)</u>	<u>(32)</u>
25	Revenue Requirement	14,608	40,988	55,595
26	Revenue as % of Rev Req	220.79%	96.52%	129.17%

Direct Costs

Indirect Costs

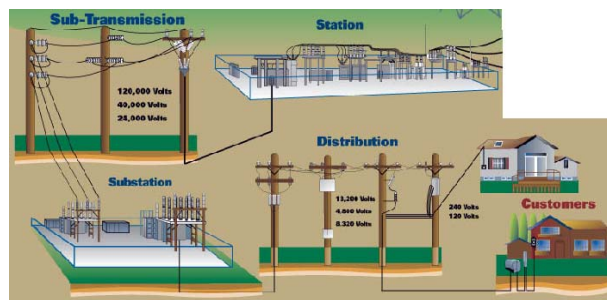
Power Supply



Generation	
Description	Accounts
Plant Costs	310-359
O&M	500-557
Property Tax	408.1
AFUDC	419.1, 432

Transmission	
Description	Accounts
O&M	560-573

Delivery



Distribution	
Description	Accounts
Plant Costs	360-373
O&M	580-916
Property Tax	408.1

Surcharges	
Nuclear Decommissioning	
Securitization bond	
Securitization tax	

Description	Accounts
Plant Costs	303,389-399
O&M	920-935
Fed Tax	
Other Tax	
Working Capital	

Indirect Costs are functionalized based on a combination of direct assignment and labor allocation.

Schedule E4-1

Michigan Public Service Commission
The Detroit Edison Company
2005 Energy Allocation Schedule

Case No.: U-14838
Exhibit No.: DE-5
Schedule: E4-1
Page: 1 of 2
Witness: M. R. Williamson

Line No.	Rate Class	2005 Energy
	(1)	(2)
1	<u>DOMESTIC</u>	
2	Domestic	15,961,825.7
3	Space Heating	394,625.1
4	Total Residential	16,356,450.8
5		
6	<u>SMALL LIGHT AND POWER</u>	
7	General Service	6,589,804.1
8	Large General Service	914,673.6
9	Total Small Light and Power(Comm)	7,504,477.7
10		
11	<u>LARGE LIGHT AND POWER</u>	
12	Primary Manufacturing Medium	
13	Transmission Bulk	468,383.8
14	Industrial	498,270.4
15	Subtransmission Bulk	695,441.0
16	Industrial	1,196,043.5
17	Primary Distribution	6,988,452.9
18	Total Primary Manufacturing Medium	9,846,591.7
19		
20		
21	D7 Transitional Primary Supply (TPS)	
22	Transmission Bulk	27,106.9
23	Transmission Industrial	4,254,837.4
24	Subtransmission Bulk	102,221.5
25	Industrial	905,985.9
26	Primary Distribution	454,276.1
27	Total TPS	5,744,427.8
28		
29	Large Customer Contracts	
30	Base	
31	Transmission Bulk	0.0
32	Industrial	307,329.3
33	Subtransmission Industrial	248,746.8
34	Primary Distribution	1,253,073.2
35	Secondary LCC	111,017.4
36	Total Base LCC	1,920,166.8
37		
38	LCC Interruptible	
39	Transmission Bulk	0.0
40	Industrial	73,829.6
41	Subtransmission Bulk	0.0
42	Subtransmission Industrial	103,829.8
43	Primary Distribution	66,624.3
44	Total Interruptible LCC	244,283.7
45		
46	Total LCC	2,164,450.5
47		
48	Interruptible Primary Supply	
49	Transmission Industrial	24,400.2
50	Subtransmission Industrial	72,464.9
51	Primary Distribution	617,540.5
52	Total Interruptible Primary	714,405.6
53		
54	Total Primary	18,469,875.6

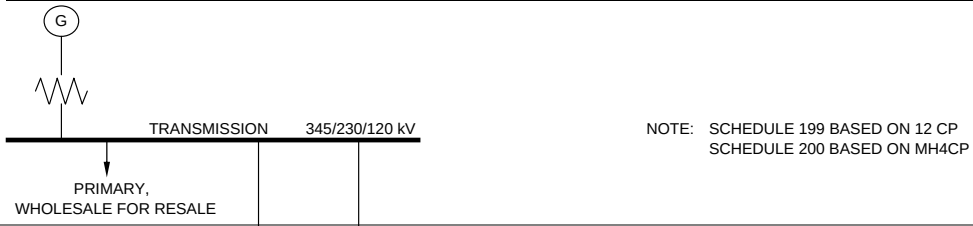
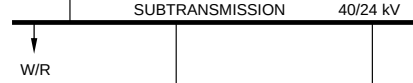
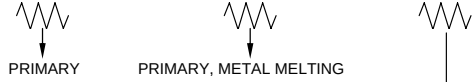
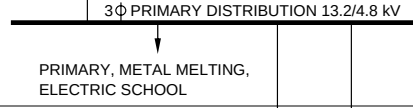
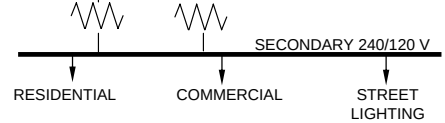
Schedule E4-1

Michigan Public Service Commission
The Detroit Edison Company
2005 Energy Allocation Schedule

Case No.: U-14838
Exhibit No.: DE-5
Schedule: E4-1
Page: 2 of 2
Witness: M. R. Williamson

Line No.	Rate Class	2005 Energy
	(1)	(2)
55	Combined R1.1 (Alt. Metal Mltg) and R1.2 (Process Heat)	
56	Subtransmission Industrial	72,311.5
57	Primary Distribution	409,405.6
58	Secondary Distribution	53,774.9
59	Total R1.1 and R1.2 Combined	535,492.0
60		
61	Interruptible Rider (includes Interruptible D7)	
62	Transmission Bulk	290,476.5
63	Industrial	406,249.3
64	Subtransmission Bulk	243,003.0
65	Subtransmission Industrial	84,177.3
66	Primary Distribution	45,118.6
67	Total Interruptible Rider	1,069,024.7
68		
69	LARGE LIGHT AND POWER	20,074,392
70		
71	E1 Street Lighting, E2 Traffic Signals & D9 OPL (Res/Comm)	342,451
72		
73	TOTAL LOAD w/o Wholesale	44,277,771.9
74		
75	Wholesale for Resale - Firm	
76	Transmission Bulk	1,743,240.0
77	Subtransmission Bulk	413,124.1
78	Total Wholesale for Resale - Firm	2,156,364.1
79		
80	Wholesale for Resale - Interruptible	
81	Transmission Bulk	805.0
82	Subtransmission Bulk	218,985.0
83	Total Wholesale for Resale - Interruptible	219,790.0
84		
85	Total Wholesale for Resale	2,376,154.1
86		
87	TOTAL LOAD with Wholesale	46,653,926.0
88		
89	Retail Access - Commercial	3,374,875.4
90	Retail Access - Industrial Primary Transmission Bulk	1,373,552.9
91	Retail Access - Industrial Primary Transmission Industrial	525,902.7
92	Retail Access - Industrial Primary Subtransmission Industrial	403,137.1
93	Retail Access - Industrial Primary Distribution	1,925,890.6
94	Total Choice	7,603,358.8
95	Net System Output with Choice & Wholesale	54,257,284.8

**THE DETROIT EDISON COMPANY
COST OF SERVICE
DEMAND ALLOCATION SCHEDULES**

ALLOCATIONS		FUNCTIONALIZED PLANT	ELECTRICAL SYSTEM SCHEMATIC DIAGRAM	
SCHEDULES	LOAD CHARACTERISTICS			
199/200	AVG. MO. PEAK	PRODUCTION, BULK POWER LINES AND EQUIPMENT	 NOTE: SCHEDULE 199 BASED ON 12 CP SCHEDULE 200 BASED ON MH4CP	
201	AVG. MO. PEAK	STATIONS AND EQUIPMENT		
202	NC CLASS PEAK	SUBTRANSMISSION LINES		
203	NC CLASS PEAK	SUBSTATIONS		
204	NC CLASS PEAK	THREE PHASE PRIMARY LINES		
205	NC CLASS PEAK	SINGLE PHASE PRIMARY LINES		
300	NC CUSTOMER MAX. DEMAND	DISTRIBUTION LINE TRANSFORMERS AND SECONDARY LINES		

Schedule E4-3

Michigan Public Service Commission
The Detroit Edison Company
Demand and Energy Allocation
Percentages By Rate Class
Allocation Schedule 100 - Total Energy
Power Supply
Power Plant Energy Production

Case No.: U-14838
Exhibit No.: DE-5
Schedule: E4-3
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Witness: M. R. Williamson

(a)		(b)	(c)
Line No.	Description	Rate	2005 Total Energy Schedule 100
1	Residential	D1, D1.1 and D5	35.077
2	Space Heating	D2	0.867
3	Total Domestic		35.944
4			
5	General Service	D3, D5, R8 and E5	14.482
6	Large General Service	D4	2.010
7	Total Small Light and Power		16.492
8			
9	Primary Supply	D6 and D6.1	21.018
10	TPS	D7	11.867
11	LCC Secondary		0.244
12	LCC Primary Firm & Non Firm		4.369
13	Interruptible Supply	D8	1.535
14	Total Primary		39.033
15			
16	Alt Metal Melting & Process Heat	R1.1 and R1.2	1.154
17	Interruptible Supply Rider	R10	2.206
18	Total Large Light and Power		42.392
19			
20	Street Lighting	E1, E2 and D9 (Res/Comm)	0.753
21	Wholesale for Resale		4.420
			5.172
22	TOTAL		100.000

Schedule E4-3

Michigan Public Service Commission
The Detroit Edison Company
Demand and Energy Allocation
Percentages By Rate Class
Allocation Schedule 101 - On Peak Energy
Power Supply
Power Plant Energy Production

Case No.: U-14838
Exhibit No.: DE-5
Schedule: E4-3
Page: 2 of 4
Witness: M. R. Williamson

(a)		(b)	(c)
Line No.	Description	Rate	2005 On Peak Energy Schedule 101
1	Residential	D1, D1.1 and D5	33.917
2	Space Heating	D2	0.792
3	Total Domestic		34.709
4			
5	General Service	D3, D5, R8 and E5	16.112
6	Large General Service	D4	1.964
7	Total Small Light and Power		18.075
8			
9	Primary Supply	D6 and D6.1	21.064
10	TPS	D7	11.883
11	LCC Secondary		0.257
12	LCC Primary Firm & Non Firm		4.479
13	Interruptible Supply	D8	1.568
14	Total Primary		39.251
15			
16	Alt Metal Melting & Process Heat	R1.1 and R1.2	1.333
17	Interruptible Supply Rider	R10	2.323
18	Total Large Light and Power		42.907
19			
20	Street Lighting	E1, E2 and D9 (Res/Comm)	0.410
21	Wholesale for Resale		3.900
			4.309
22	TOTAL		100.000

Schedule E4-3

Michigan Public Service Commission
The Detroit Edison Company
Demand and Energy Allocation
Percentages By Rate Class
Allocation Schedule 199 - 12CP
Power Supply
Production System Output

Case No.: U-14838
Exhibit No.: DE-5
Schedule: E4-3
Page: 3 of 4
Witness: M. R. Williamson

(a)		(b)	(c)
Line No.	Description	Rate	2005 12CP Demand Schedule 199
1	Residential	D1, D1.1 and D5	42.145
2	Space Heating	D2	0.938
3	Total Domestic		43.083
4			
5	General Service	D3, D5, R8 and E5	18.484
6	Large General Service	D4	1.927
7	Total Small Light and Power		20.412
8			
9	Primary Supply	D6 and D6.1	20.402
10	TPS	D7	9.427
11	LCC Secondary		0.256
12	LCC Primary Firm & Non Firm		4.048
13	Interruptible Supply	D8	0.173
14	Total Primary		34.306
15			
16	Alt Metal Melting & Process Heat	R1.1 and R1.2	0.429
17	Interruptible Supply Rider	R10	0.780
18	Total Large Light and Power		35.515
19			
20	Street Lighting	E1, E2 and D9 (Res/Comm)	0.538
21	Wholesale for Resale		0.452
			0.991
22	TOTAL		100.000

Schedule E4-3

Michigan Public Service Commission
The Detroit Edison Company
Demand and Energy Allocation
Percentages By Rate Class
Allocation Schedule 200 - MH4CP
Power Supply
Production System Output

Case No.: U-14838
Exhibit No.: DE-5
Schedule: E4-3
Page: 4 of 4
Witness: M. R. Williamson

(a)		(b)	(c)
Line No.	Description	Rate	2005 MH4CP Demand Schedule 200
1	Residential	D1, D1.1 and D5	45.173
2	Space Heating	D2	0.652
3	Total Domestic		45.825
4			
5	General Service	D3, D5, R8 and E5	17.960
6	Large General Service	D4	1.806
7	Total Small Light and Power		19.766
8			
9	Primary Supply	D6 and D6.1	18.825
10	TPS	D7	7.855
11	LCC Secondary		0.216
12	LCC Primary Firm & Non Firm		3.678
13	Interruptible Supply	D8	0.138
14	Total Primary		30.712
15			
16	Alt Metal Melting & Process Heat	R1.1 and R1.2	0.342
17	Interruptible Supply Rider	R10	0.759
18	Total Large Light and Power		31.813
19			
20	Street Lighting	E1, E2 and D9 (Res/Comm)	0.102
21	Wholesale for Resale		2.494
			2.596
22	TOTAL		100.000

Schedule E4-4

Michigan Public Service Commission
The Detroit Edison Company
Demand and Energy Allocation
Percentages By Rate Class
Allocation Schedule 201 - 12CP
Distribution
Input to Transmission Substation

Case No.: U-14838
Exhibit No.: DE-5
Schedule: E4-4
Page: 1 of 6
Witness: M. R. Williamson

(a)		(b)	(c)
Line No.	Description	Rate	2005 12CP Demand Schedule 201
1	Residential	D1, D1.1 and D5	42.662
2	Space Heating	D2	0.950
3	Total Domestic		43.612
4			
5	General Service	D3, D5, R8 and E5	24.880
6	Large General Service	D4	4.191
7	Total Small Light and Power		29.072
8			
9	Primary Supply	D6 and D6.1	20.056
10	TPS	D7	0.974
11	LCC Secondary		0.260
12	LCC Primary Firm & Non Firm		2.969
13	Interruptible Supply	D8	1.308
14	Total Primary		25.566
15			
16	Alt Metal Melting & Process Heat	R1.1 and R1.2	1.075
17	Interruptible Supply Rider	R10	0.131
18	Total Large Light and Power		26.771
19			
20	Street Lighting	E1, E2 and D9 (Res/Comm)	0.545
			0.545
21	TOTAL		100.000

Schedule E4-4

Michigan Public Service Commission
The Detroit Edison Company
Demand and Energy Allocation
Percentages By Rate Class
Allocation Schedule 202
Distribution
Sub-Transmission System

Case No.: U-14838
Exhibit No.: DE-5
Schedule: E4-4
Page: 2 of 6
Witness: M. R. Williamson

(a)		(b)	(c)
Line No.	Description	Rate	2005 Demand Schedule 202
1	Residential	D1, D1.1 and D5	40.737
2	Space Heating	D2	0.895
3	Total Domestic		41.633
4			
5	General Service	D3, D5, R8 and E5	23.687
6	Large General Service	D4	3.206
7	Total Small Light and Power		26.893
8			
9	Primary Supply	D6 and D6.1	21.971
10	TPS	D7	1.911
11	LCC Secondary		0.224
12	LCC Primary Firm & Non Firm		2.407
13	Interruptible Supply	D8	1.304
14	Total Primary		27.817
15			
16	Alt Metal Melting & Process Heat	R1.1 and R1.2	1.231
17	Interruptible Supply Rider	R10	0.726
18	Total Large Light and Power		29.774
19			
20	Street Lighting	E1, E2 and D9 (Res/Comm)	0.703
21	Wholesale for Resale		0.998
			1.701
22	TOTAL		100.000

Schedule E4-4

Michigan Public Service Commission
The Detroit Edison Company
Demand and Energy Allocation
Percentages By Rate Class
Allocation Schedule 203
Distribution
Primary Voltage Substation

Case No.: U-14838
Exhibit No.: DE-5
Schedule: E4-4
Page: 3 of 6
Witness: M. R. Williamson

(a)		(b)	(c)
Line No.	Description	Rate	2005 Demand Schedule 203
1	Residential	D1, D1.1 and D5	38.742
2	Space Heating	D2	0.852
3	Total Domestic		39.593
4			
5	General Service	D3, D5, R8 and E5	22.527
6	Large General Service	D4	3.049
7	Total Small Light and Power		25.575
8			
9	Primary Supply	D6 and D6.1	21.545
10	TPS	D7	5.242
11	LCC Secondary		0.212
12	LCC Primary Firm & Non Firm		2.704
13	Interruptible Supply	D8	1.284
14	Total Primary		30.988
15			
16	Alt Metal Melting & Process Heat	R1.1 and R1.2	1.167
17	Interruptible Supply Rider	R10	2.008
18	Total Large Light and Power		34.163
19			
20	Street Lighting	E1, E2 and D9 (Res/Comm)	0.668
			0.668
21	TOTAL		100.000

Schedule E4-4

Michigan Public Service Commission
The Detroit Edison Company
Demand and Energy Allocation
Percentages By Rate Class
Allocation Schedule 204
Distribution
Primary Lines

Case No.: U-14838
Exhibit No.: DE-5
Schedule: E4-4
Page: 4 of 6
Witness: M. R. Williamson

(a)		(b)	(c)
Line No.	Description	Rate	2005 Demand Schedule 204
1	Residential	D1, D1.1 and D5	49.972
2	Space Heating	D2	1.099
3	Total Domestic		51.071
4			
5	General Service	D3, D5, R8 and E5	29.057
6	Large General Service	D4	3.933
7	Total Small Light and Power		32.990
8			
9	Primary Supply	D6 and D6.1	11.908
10	TPS	D7	0.282
11	LCC Secondary		0.299
12	LCC Primary Firm & Non Firm		0.962
13	Interruptible Supply	D8	0.748
14	Total Primary		14.198
15			
16	Alt Metal Melting & Process Heat	R1.1 and R1.2	0.942
17	Interruptible Supply Rider	R10	0.002
18	Total Large Light and Power		15.142
19			
20	Street Lighting	E1, E2 and D9 (Res/Comm)	0.797
			0.797
21	TOTAL		100.000

Schedule E4-4

Michigan Public Service Commission
The Detroit Edison Company
Demand and Energy Allocation
Percentages By Rate Class
Allocation Schedule 205
Distribution
Secondary Line Transformers

Case No.: U-14838
Exhibit No.: DE-5
Schedule: E4-4
Page: 5 of 6
Witness: M. R. Williamson

(a)		(b)	(c)
Line No.	Description	Rate	2005 Demand Schedule 205
1	Residential	D1, D1.1 and D5	58.613
2	Space Heating	D2	1.288
3	Total Domestic		59.902
4			
5	General Service	D3, D5, R8 and E5	34.514
6	Large General Service	D4	4.190
7	Total Small Light and Power		38.703
8			
9	Primary Supply	D6 and D6.1	0.000
10	TPS	D7	0.000
11	LCC Secondary		0.332
12	LCC Primary Firm & Non Firm		0.000
13	Interruptible Supply	D8	0.000
14	Total Primary		0.332
15			
16	Alt Metal Melting & Process Heat	R1.1 and R1.2	0.191
17	Interruptible Supply Rider	R10	0.000
18	Total Large Light and Power		0.523
19			
20	Street Lighting	E1, E2 and D9 (Res/Comm)	0.872
			0.872
21	TOTAL		100.000

Schedule E4-4

Michigan Public Service Commission
The Detroit Edison Company
Demand and Energy Allocation
Percentages By Rate Class
Allocation Schedule 300
Distribution
Secondary Distribution Lines

Case No.: U-14838
Exhibit No.: DE-5
Schedule: E4-4
Page: 6 of 6
Witness: M. R. Williamson

(a)		(b)	(c)
Line No.	Description	Rate	2005 Demand Schedule 300
1	Residential	D1, D1.1 and D5	68.872
2	Space Heating	D2	1.437
3	Total Domestic		70.308
4			
5	General Service	D3, D5, R8 and E5	24.985
6	Large General Service	D4	4.004
7	Total Small Light and Power		28.990
8			
9	Primary Supply	D6 and D6.1	0.000
10	TPS	D7	0.000
11	LCC Secondary		0.142
12	LCC Primary Firm & Non Firm		0.000
13	Interruptible Supply	D8	0.000
14	Total Primary		0.142
15			
16	Alt Metal Melting & Process Heat	R1.1 and R1.2	0.175
17	Interruptible Supply Rider	R10	0.000
18	Total Large Light and Power		0.317
19			
20	Street Lighting	E1, E2 and D9 (Res/Comm)	0.385
			0.385
21	TOTAL		100.000