

MICHIGAN PUBLIC SERVICE COMMISSION
THE DETROIT EDISON COMPANY

SUMMARY OF ECONOMIC OUTLOOK
2001-2005 HISTORICAL; 2006-2015 FORECAST

LINE NO.	(a) YEAR	(b) CHANGE IN REAL GDP (Percent)	(c) U.S. CAR & TRUCK PRODUCTION (Millions)	(d) DETROIT AREA CAR & TRUCK PRODUCTION (Millions)	(e) DETROIT AREA STEEL PRODUCTION (M Tons)	(f) DET. INDEX OF COINCIDENT INDICATORS (1987=100)	(g) U.S. FRB PRODUCTION INDEX (1992-100)	(h) DETROIT AREA NON-MANUF. EMPLOYMENT (Thousands)	(i) CHANGE IN U.S. CPI (Percent)
1	2001 HIST	0.8	11.2	2.1	6.7	115.7	99.9	1702.0	2.8
2	2002	1.6	12.0	2.2	6.5	113.7	100.0	1676.3	1.6
3	2003	2.7	11.8	2.1	6.3	112.7	100.6	1666.0	2.3
4	2004	4.2	11.6	2.0	5.7	110.5	104.7	1658.3	2.7
5	2005	3.5	11.5	2.1	5.8	109.8	108.0	1670.1	3.4
6									
7	2006 FCST	3.4	11.2	2.1	5.8	108.8	111.2	1644.4	2.9
8	2007	3.1	11.4	2.0	6.2	109.5	114.0	1658.0	2.4
9	2008	3.4	11.6	1.9	6.3	110.4	117.8	1667.9	2.5
10	2009	3.1	11.8	1.9	6.7	110.5	122.0	1678.2	2.4
11	2010	2.8	11.8	1.9	7.0	111.8	125.4	1689.8	2.4
12	2011	2.7	11.8	1.9	6.7	112.6	129.0	1700.6	2.6
13	2012	2.7	11.9	1.9	6.9	113.2	133.1	1709.8	2.7
14	2013	2.9	11.9	1.9	6.8	113.6	152.1	1720.1	2.8
15	2014	3.1	12.0	1.9	6.9	114.2	157.9	1731.8	2.7
16	2015	3.3	12.0	1.9	6.8	114.4	163.8	1744.2	2.7

Case No. : U-14838
Exhibit: DE-16
Schedule: E1-1
Page: 1 of 1
Witness: A.F. Colandrea

MICHIGAN PUBLIC SERVICE COMMISSION
THE DETROIT EDISON COMPANY

ANNUAL SERVICE AREA SALES BY MAJOR CUSTOMER CLASSES AND SYSTEM OUTPUT
2001-2005 HISTORICAL; 2006-2015 FORECAST

LINE	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		<u>ANNUAL SALES - MILLION KWH</u>					<u>LOSSES & COMPANY USE</u>		<u>SYSTEM</u>
<u>NO.</u>	<u>YEAR</u>	<u>RESIDENTIAL</u>	<u>COMMERCIAL</u>	<u>INDUSTRIAL</u>	<u>OTHER</u>	<u>TOTAL</u>	<u>MILLIONS</u> <u>KWH</u>	<u>% OF</u> <u>OUTPUT</u>	<u>OUTPUT</u> <u>(GWH)</u>
1	2001 HIST	14,504	19,635	14,655	2,539	51,332	3,775	6.8%	55,107
2	2002	15,959	20,485	14,489	2,653	53,586	3,867	6.7%	57,453
3	2003	15,075	20,260	14,129	2,643	52,107	3,693	6.6%	55,800
4	2004	15,083	20,452	14,088	2,598	52,222	3,435	6.2%	55,656
5	2005	16,813	20,812	13,885	2,720	54,229	3,887	6.7%	58,117
6									
7	2005 T-N	15,851	20,303	13,812	2,720	52,686			
8									
9	2006 FCST	16,118	20,773	13,084	3,057	53,032	4,062	7.1%	57,094
10	2007	16,127	21,122	12,855	3,116	53,220	4,084	7.1%	57,304
11	2008	16,220	21,473	12,718	3,133	53,544	4,115	7.1%	57,658
12	2009	16,219	21,744	12,299	3,147	53,409	4,114	7.2%	57,523
13	2010	16,404	22,042	12,365	3,162	53,972	4,160	7.2%	58,132
14	2011	16,599	22,303	12,515	3,176	54,592	4,208	7.2%	58,800
15	2012	16,820	22,582	12,806	3,191	55,399	4,268	7.2%	59,667
16	2013	17,015	22,839	12,996	3,206	56,056	4,319	7.2%	60,375
17	2014	17,212	23,110	13,297	3,221	56,840	4,377	7.1%	61,217
18	2015	17,430	23,376	13,471	3,236	57,512	4,429	7.1%	61,941

Case No. : U-14838
Exhibit: DE-16
Schedule: E1-2
Page: 1 of 4
Witness: A.F. Colandrea

MICHIGAN PUBLIC SERVICE COMMISSION
THE DETROIT EDISON COMPANY

ANNUAL BUNDLED SALES BY MAJOR CUSTOMER CLASSES AND SYSTEM OUTPUT
2001-2005 HISTORICAL; 2006-2015 FORECAST

LINE	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		<u>ANNUAL SALES - MILLION KWH</u>					<u>LOSSES & COMPANY USE</u>		<u>SYSTEM</u>
<u>NO.</u>	<u>YEAR</u>	<u>RESIDENTIAL</u>	<u>COMMERCIAL</u>	<u>INDUSTRIAL</u>	<u>OTHER</u>	<u>TOTAL</u>	<u>MILLIONS</u> <u>KWH</u>	<u>% OF</u> <u>OUTPUT</u>	<u>OUTPUT</u> <u>(GWH)</u>
1	2001 HIST	14,504	18,777	14,430	2,539	50,248	3,694	6.8%	53,942
2	2002	15,958	18,395	13,589	2,653	50,595	3,652	6.7%	54,246
3	2003	15,074	15,942	12,254	2,643	45,913	3,249	6.6%	49,161
4	2004	15,082	13,425	11,472	2,598	42,576	3,448	7.5%	46,024
5	2005	16,812	15,619	12,316	2,720	47,467	3,202	6.3%	50,669
6									
7	2005 T-N	15,849	15,231	12,249	2,720	46,049			
8									
9	2006 FCST	16,118	17,767	12,604	3,057	49,546	3,779	7.1%	53,325
10	2007	16,127	18,122	12,455	3,116	49,820	3,805	7.1%	53,625
11	2008	16,220	18,123	12,293	3,133	49,769	3,805	7.1%	53,573
12	2009	16,219	18,244	11,799	3,147	49,409	3,787	7.1%	53,196
13	2010	16,404	18,542	11,865	3,162	49,972	3,833	7.1%	53,805
14	2011	16,599	18,803	12,015	3,176	50,592	3,881	7.1%	54,473
15	2012	16,820	19,082	12,306	3,191	51,399	3,941	7.1%	55,340
16	2013	17,015	19,339	12,496	3,206	52,056	3,992	7.1%	56,048
17	2014	17,212	19,610	12,797	3,221	52,840	4,050	7.1%	56,890
18	2015	17,430	19,876	12,971	3,236	53,512	4,102	7.1%	57,614

Case No. : U-14838
Exhibit: DE-16
Schedule: E1-2
Page: 2 of 4
Witness: A.F. Colandrea

MICHIGAN PUBLIC SERVICE COMMISSION
THE DETROIT EDISON COMPANY

ANNUAL ELECTRIC CHOICE SALES BY MAJOR CUSTOMER CLASSES
2001-2005 HISTORICAL; 2006-2015 FORECAST

	(a)	(b)	(c)	(d)	(e)	(f)
			<u>ANNUAL SALES - MILLION KWH</u>			
LINE						
<u>NO.</u>	<u>YEAR</u>	<u>RESIDENTIAL</u>	<u>COMMERCIAL</u>	<u>INDUSTRIAL</u>	<u>OTHER</u>	<u>TOTAL</u>
1	2001 HIST	0	858	226	0	1,084
2	2002	1	2,090	900	0	2,991
3	2003	1	4,318	1,875	0	6,194
4	2004	1	7,028	2,617	0	9,646
5	2005	1	5,193	1,568	0	6,763
6						
7	2005 T-N	1	5,073	1,563	0	6,637
8						
9	2006 FCST	0	3,006	480	0	3,486
10	2007	0	3,000	400	0	3,400
11	2008	0	3,350	425	0	3,775
12	2009	0	3,500	500	0	4,000
13	2010	0	3,500	500	0	4,000
14	2011	0	3,500	500	0	4,000
15	2012	0	3,500	500	0	4,000
16	2013	0	3,500	500	0	4,000
17	2014	0	3,500	500	0	4,000
18	2015	0	3,500	500	0	4,000

Case No. : U-14838
Exhibit: DE-16
Schedule: F1-2
Page: 3 of 4
Witness: A.F. Colandrea

MICHIGAN PUBLIC SERVICE COMMISSION
THE DETROIT EDISON COMPANY

MONTHLY BUNDLED SALES BY CUSTOMER CLASS, MILLION KWH
JANUARY-FEBRUARY 2006 HISTORICAL; MARCH-DECEMBER 2006 FORECAST

LINE NO.	(a)	(b) T-N	(c)	(d)	(e)	(f)	(g)	(h) FORECAST	(i)	(j)	(k)	(l)	(m)	(n)
		<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
1	RESIDENTIAL	1,433	1,207	1,330	1,088	1,153	1,384	1,772	1,708	1,299	1,124	1,144	1,475	16,118
2														
3	COMMERCIAL	1,369	1,276	1,404	1,351	1,492	1,682	1,693	1,658	1,407	1,499	1,445	1,493	17,767
4														
5	INDUSTRIAL	1,065	1,020	1,064	1,045	1,059	1,072	1,065	1,126	1,063	1,087	985	954	12,604
6														
7	OTHER	245	257	254	246	245	237	253	256	247	267	264	286	3,057
8														
9	TOTAL	4,111	3,759	4,052	3,730	3,949	4,375	4,783	4,747	4,016	3,977	3,838	4,209	49,546

Case No. : U-14838
Exhibit: DE-16
Schedule: E1-2
Page: 4 of 4
Witness: A.F. Colandrea

MICHIGAN PUBLIC SERVICE COMMISSION
THE DETROIT EDISON COMPANY

ANNUAL SERVICE AREA SYSTEM OUTPUT, MAXIMUM DEMANDS AND LOAD FACTORS
2001-2005 HISTORICAL; 2006-2015 FORECAST

LINE NO.	(a)		(b)	(c)	(d)	(e)		(f)
	YEAR		ANNUAL SYSTEM OUTPUT GWH	MAXIMUM DEMANDS MW	ANNUAL LOAD FACTOR %	RANGE OF PROBABLE MAX. DEMANDS, MW		
						LOW	HIGH	
1	2001	HIST	55,107	11,964	52.6			
2	2002		57,453	11,915	55.0			
3	2003		55,800	11,645	54.7			
4	2004		55,656	11,357	55.8			
5	2005		58,117	12,320	53.9			
6								
7	2006	FCST	57,094	12,577	51.8	11,976	13,034	
8	2007		57,304	12,729	51.4	11,884	13,390	
9	2008		57,658	12,831	51.3	11,806	13,656	
10	2009		57,523	12,813	51.2	11,651	13,776	
11	2010		58,132	12,952	51.2	11,661	14,052	
12	2011		58,800	13,098	51.2	11,691	14,330	
13	2012		59,667	13,286	51.3	11,770	14,651	
14	2013		60,375	13,427	51.3	11,815	14,919	
15	2014		61,217	13,581	51.5	11,879	15,199	
16	2015		61,941	13,735	51.5	11,948	15,477	

Case No. : U-14838
Exhibit: DE-16
Schedule: E1-3
Page: 1 of 2
Witness: A.F. Colandrea

MICHIGAN PUBLIC SERVICE COMMISSION
THE DETROIT EDISON COMPANY

ANNUAL BUNDLED SYSTEM OUTPUT, MAXIMUM DEMANDS AND LOAD FACTORS
2001-2005 HISTORICAL; 2006-2015 FORECAST

LINE NO.	YEAR	(a)	(b)	(c)	(d)	(e)		(f)	(g)	(h)
			ANNUAL SYSTEM OUTPUT	NON- COINCIDENT MAXIMUM DEMANDS	ANNUAL LOAD FACTOR	RANGE OF PROBABLE MAX. DEMANDS, MW		COINCIDENT MAXIMUM DEMANDS	ELECTRIC CHOICE IMPACT	
			<u>GWH</u>	<u>MW</u>	<u>%</u>	<u>LOW</u>	<u>HIGH</u>	<u>MW</u>	<u>MW</u>	
1	2001	HIST	53,942	11,845	52.0			11,845	119	
2	2002		54,246	11,303	54.8			11,256	659	
3	2003		49,161	10,445	53.7			10,414	1,231	
4	2004		46,024	9,667	54.2			9,667	1,690	
5	2005		50,669	11,177	51.8			11,097	1,223	
6										
7	2006	FCST	53,325	11,840	51.4	11,238	12,298	11,840	737	
8	2007		53,625	11,969	51.1	11,057	12,714	11,969	760	
9	2008		53,573	11,983	51.0	10,645	12,987	11,983	848	
10	2009		53,196	11,920	50.9	10,474	13,040	11,920	894	
11	2010		53,805	12,058	50.9	10,507	13,298	12,058	894	
12	2011		54,473	12,204	51.0	10,555	13,563	12,204	894	
13	2012		55,340	12,392	51.0	10,649	13,873	12,392	894	
14	2013		56,048	12,533	51.0	10,706	14,131	12,533	894	
15	2014		56,890	12,687	51.2	10,780	14,403	12,687	894	
16	2015		57,614	12,841	51.2	10,858	14,675	12,841	894	

Case No. : U-14838
Exhibit: DE-16
Schedule: E1-3
Page: 2 of 2
Witness: A.F. Colandrea

MICHIGAN PUBLIC SERVICE COMMISSION
THE DETROIT EDISON COMPANY

SERVICE AREA SUMMER MAXIMUM DEMANDS BY MAJOR CUSTOMER CLASS COMPONENTS
2001-2005 HISTORICAL; 2006-2015 FORECAST

LINE	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
NO.	YEAR	RES.	COMM.	IND.	OTHER	<u>LOSSES</u> MW	MAX. SUMMER <u>DEMAND</u> MW	HOURL	RES.	COMM.	IND.	OTHER
		CLASS DEMAND AT TIME OF SERVICE AREA PEAK, MW							CLASS LOAD FACTOR BASED ON DEMAND AT SUMMER PEAK, %			
1	2001 HIST	4,990	3,969	1,748	270	987	11,964	1700	33.2%	56.5%	95.7%	107.3%
2	2002	4,472	4,252	2,047	295	849	11,915	1400	40.7%	55.0%	80.8%	102.6%
3	2003	4,286	4,246	1,948	314	850	11,645	1600	40.2%	54.5%	82.8%	96.0%
4	2004	4,082	4,365	1,790	287	833	11,357	1600	42.1%	53.3%	89.6%	102.9%
5	2005	4,920	4,356	1,736	293	1,015	12,320	1700	39.0%	54.5%	91.3%	106.0%
6												
7	2006 FCST	5,162	4,295	1,755	330	1,036	12,577	1700	35.6%	55.2%	85.1%	105.7%
8	2007	5,215	4,382	1,748	335	1,049	12,729	1700	35.3%	55.0%	84.0%	106.3%
9	2008	5,254	4,454	1,728	336	1,059	12,831	1700	35.2%	55.0%	84.0%	106.4%
10	2009	5,242	4,509	1,666	338	1,059	12,813	1700	35.3%	55.1%	84.3%	106.4%
11	2010	5,301	4,570	1,671	339	1,071	12,952	1700	35.3%	55.1%	84.5%	106.4%
12	2011	5,356	4,625	1,694	341	1,083	13,098	1700	35.4%	55.1%	84.3%	106.4%
13	2012	5,430	4,683	1,733	342	1,098	13,286	1700	35.4%	55.1%	84.3%	106.4%
14	2013	5,478	4,736	1,760	344	1,109	13,427	1700	35.5%	55.0%	84.3%	106.5%
15	2014	5,522	4,792	1,801	345	1,122	13,581	1700	35.6%	55.0%	84.3%	106.5%
16	2015	5,580	4,848	1,826	347	1,134	13,735	1700	35.7%	55.0%	84.2%	106.5%

Case No. : U-14838
Exhibit: DE-16
Schedule: F1-4
Page: 1 of 2
Witness: A.F. Colandrea

MICHIGAN PUBLIC SERVICE COMMISSION
THE DETROIT EDISON COMPANY

BUNDLED SUMMER MAXIMUM DEMANDS BY MAJOR CUSTOMER CLASS COMPONENTS
2001-2005 HISTORICAL; 2006-2015 FORECAST

LINE NO.	(a) YEAR	(b) RES.	(c) COMM.	(d) IND.	(e) OTHER	(f) LOSSES MW	(g) MAX. SUMMER DEMAND MW	(h) HOUR	(i) RES.	(j) COMM.	(k) IND.	(l) OTHER
		CLASS DEMAND AT TIME OF BUNDLED PEAK, MW							CLASS LOAD FACTOR BASED ON DEMAND AT SUMMER PEAK, %			
1	2001 HIST	4,990	3,887	1,721	270	977	11,845	1700	33.2%	55.2%	95.7%	107.3%
2	2002	4,889	3,380	1,877	299	858	11,303	1700	37.3%	62.1%	82.6%	101.3%
3	2003	4,286	3,301	1,669	314	875	10,445	1700	40.2%	55.1%	83.8%	96.0%
4	2004	4,082	2,898	1,447	287	953	9,667	1700	42.1%	52.7%	90.3%	102.9%
5	2005	4,920	3,433	1,572	293	960	11,177	1800	39.0%	51.9%	89.4%	106.0%
6												
7	2006 FCST	5,162	3,692	1,682	330	974	11,840	1700	35.6%	54.9%	85.5%	105.7%
8	2007	5,215	3,742	1,693	335	985	11,969	1700	35.3%	55.3%	84.0%	106.3%
9	2008	5,254	3,737	1,669	336	986	11,983	1700	35.2%	55.4%	84.1%	106.4%
10	2009	5,242	3,760	1,597	338	983	11,920	1700	35.3%	55.4%	84.4%	106.4%
11	2010	5,301	3,822	1,602	339	995	12,058	1700	35.3%	55.4%	84.6%	106.4%
12	2011	5,356	3,876	1,625	341	1,007	12,204	1700	35.4%	55.4%	84.4%	106.4%
13	2012	5,430	3,934	1,664	342	1,022	12,392	1700	35.4%	55.4%	84.4%	106.4%
14	2013	5,478	3,987	1,691	344	1,033	12,533	1700	35.5%	55.4%	84.4%	106.5%
15	2014	5,522	4,043	1,731	345	1,046	12,687	1700	35.6%	55.4%	84.4%	106.5%
16	2015	5,580	4,099	1,756	347	1,058	12,841	1700	35.7%	55.4%	84.3%	106.5%

Case No. : U-14838
Exhibit: DE-16
Schedule: E1-4
Page: 2 of 2
Witness: A.F. Colandrea

MICHIGAN PUBLIC SERVICE COMMISSION
THE DETROIT EDISON COMPANY

SERVICE AREA MAXIMUM MONTHLY PEAK DEMANDS, MW
2001-2005 HISTORICAL; 2006-2015 FORECAST

LINE	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
<u>NO.</u>	<u>YEAR</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>
1	2001 HIST	8,000	7,614	7,517	7,071	8,162	10,984	11,400	11,964	10,155	7,256	7,521	7,752
2	2002	7,689	7,596	7,574	8,455	8,823	11,466	11,893	11,915	11,391	9,087	7,688	8,177
3	2003	8,078	7,916	7,852	7,193	7,360	11,309	10,326	11,645	8,760	7,401	7,879	8,155
4	2004	8,039	7,686	7,475	7,323	8,752	11,153	11,357	10,934	9,868	7,231	7,845	8,506
5	2005	8,116	7,704	7,602	7,377	7,726	12,182	11,884	12,320	10,707	9,366	7,955	8,369
6													
7	2006 FCST	8,376	8,121	7,754	7,278	9,169	11,519	12,577	11,816	11,086	7,726	7,899	8,359
8	2007	8,252	8,017	7,747	7,291	9,212	11,599	12,729	11,957	11,210	7,813	7,977	8,441
9	2008	8,306	8,064	7,795	7,343	9,285	11,695	12,831	12,051	11,292	7,867	8,027	8,494
10	2009	8,300	8,051	7,787	7,335	9,278	11,685	12,813	12,036	11,270	7,855	8,016	8,486
11	2010	8,391	8,137	7,871	7,414	9,379	11,813	12,952	12,168	11,391	7,937	8,102	8,577
12	2011	8,490	8,233	7,963	7,501	9,487	11,946	13,098	12,303	11,518	8,031	8,198	8,680
13	2012	8,611	8,353	8,078	7,610	9,624	12,118	13,286	12,480	11,684	8,147	8,316	8,803
14	2013	8,716	8,455	8,176	7,702	9,733	12,247	13,427	12,613	11,810	8,245	8,417	8,910
15	2014	8,836	8,573	8,290	7,811	9,858	12,390	13,581	12,759	11,951	8,358	8,534	9,033
16	2015	8,944	8,678	8,390	7,904	9,972	12,530	13,735	12,902	12,086	8,457	8,639	9,144

NOTE: HISTORICAL SERVICE AREA PEAKS ADJUSTED DOWN AN ESTIMATED 200 MW BEGINNING IN APRIL 2001
FOR NON-METERED GENERATION SUPPLIERS.

Case No. : U-14838
Exhibit: DE-16
Schedule: E1-5
Page: 1 of 2
Witness: A.F. Colandrea

MICHIGAN PUBLIC SERVICE COMMISSION
THE DETROIT EDISON COMPANY

BUNDLED SYSTEM MAXIMUM MONTHLY PEAK DEMANDS, MW
2001-2005 HISTORICAL; 2006-2015 FORECAST

LINE	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
NO.	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2001 HIST	7,899	7,520	7,427	6,968	8,029	10,853	11,455	11,845	9,968	7,080	7,300	7,550
2	2002	7,498	7,403	7,391	8,124	8,292	10,883	11,303	11,292	10,698	8,422	7,077	7,564
3	2003	7,442	7,271	7,205	6,504	6,434	10,279	9,252	10,445	7,605	6,412	6,838	7,087
4	2004	6,965	6,548	6,317	5,924	6,998	9,280	9,667	9,332	8,140	6,032	6,611	7,307
5	2005	6,882	6,596	6,521	6,194	6,571	10,816	10,520	11,177	9,425	8,250	7,133	7,714
6													
7	2006 FCST	7,766	7,496	7,245	6,688	8,507	10,859	11,840	11,141	10,405	7,155	7,449	7,912
8	2007	7,767	7,538	7,276	6,704	8,529	10,884	11,969	11,258	10,555	7,176	7,486	7,957
9	2008	7,765	7,531	7,270	6,695	8,522	10,901	11,983	11,270	10,561	7,157	7,480	7,955
10	2009	7,729	7,487	7,231	6,654	8,474	10,846	11,920	11,213	10,499	7,105	7,438	7,916
11	2010	7,820	7,574	7,316	6,732	8,575	10,974	12,058	11,344	10,619	7,188	7,523	8,008
12	2011	7,919	7,670	7,408	6,816	8,683	11,104	12,204	11,480	10,747	7,282	7,620	8,110
13	2012	8,040	7,789	7,523	6,924	8,820	11,276	12,392	11,657	10,913	7,398	7,738	8,233
14	2013	8,144	7,891	7,620	7,015	8,929	11,403	12,533	11,789	11,039	7,495	7,839	8,341
15	2014	8,265	8,010	7,735	7,122	9,053	11,543	12,687	11,935	11,180	7,608	7,956	8,463
16	2015	8,373	8,114	7,835	7,215	9,167	11,681	12,841	12,079	11,315	7,708	8,061	8,574

MICHIGAN PUBLIC SERVICE COMMISSION
THE DETROIT EDISON COMPANY

FORECASTED SATURATION OF RESIDENTIAL
AIR CONDITIONING AND WATER HEATER INSTALLATIONS
2001-2005 HISTORICAL; 2006-2015 FORECAST

LINE NO.	YEAR	(a)	(b)		(c)	(d)
			<u>AIR CONDITIONING</u>		<u>WATER</u>	
			<u>CENTRAL</u>	<u>ROOM (1)</u>	<u>HEATERS (2)</u>	
1	2001	HIST	72.1%	24.1%	6.1%	
2	2002		73.5%	20.9%	5.4%	
3	2003		76.0%	22.2%	5.3%	
4	2004		76.2%	22.1%	5.3%	
5	2005		76.2%	22.1%	5.1%	
6						
7	2006	FCST	77.1%	21.2%	5.1%	
8	2007		78.1%	20.3%	5.0%	
9	2008		79.0%	19.4%	5.0%	
10	2009		79.7%	18.3%	4.9%	
11	2010		80.5%	18.0%	4.9%	
12	2011		81.1%	17.3%	4.8%	
13	2012		81.9%	16.7%	4.8%	
14	2013		82.4%	16.3%	4.7%	
15	2014		82.9%	15.8%	4.7%	
16	2015		83.5%	15.3%	4.6%	

- NOTE: (1) PERCENTAGE OF RESIDENTIAL CUSTOMERS HAVING ONE OR MORE ROOM AIR CONDITIONERS. THESE CUSTOMERS HAVE APPROXIMATELY 1.6 UNITS DURING THE FORECAST PERIOD.
- (2) SATURATIONS ARE FOR SEPARATELY METERED DOMESTIC CUSTOMERS ONLY AND EXCLUDE DWELLING UNITS IN MASTER METERED BUILDING COMPLEXES.

Case No. : U-14838
Exhibit: DE-16
Schedule: F1-6
Page: 1 of 1
Witness: A.F. Colandrea

MICHIGAN PUBLIC SERVICE COMMISSION
THE DETROIT EDISON COMPANY

SERVICE AREA LOAD DURATION CURVES, 2006-2015 FORECAST

LINE NO.	% OF ANNUAL PEAK DEMAND	DURATION (HOURS)									
		<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
1	5	8760	8760	8784	8760	8760	8760	8784	8760	8760	8760
2											
3	10	8760	8760	8784	8760	8760	8760	8784	8760	8760	8760
4											
5	15	8760	8760	8784	8760	8760	8760	8784	8760	8760	8760
6											
7	20	8760	8760	8784	8760	8760	8760	8784	8760	8760	8760
8											
9	25	8760	8760	8784	8760	8760	8760	8784	8760	8760	8760
10											
11	30	8760	8760	8784	8760	8760	8760	8784	8760	8760	8760
12											
13	35	8679	8670	8691	8663	8663	8663	8688	8666	8671	8671
14											
15	40	8036	7933	7929	7878	7876	7874	7905	7894	7934	7940
16											
17	45	6321	6170	6156	6115	6110	6112	6138	6139	6182	6183
18											
19	50	4892	4790	4791	4764	4763	4765	4781	4781	4802	4804
20											
21	55	2987	2751	2719	2683	2675	2685	2703	2727	2809	2830
22											
23	60	1170	1078	1066	1061	1061	1068	1070	1078	1103	1104
24											
25	65	699	690	685	686	686	686	686	688	697	697
26											
27	70	460	452	451	450	450	451	452	453	461	462
28											
29	75	294	290	289	288	288	287	289	291	294	295
30											
31	80	168	163	163	163	163	163	163	165	166	166
32											
33	85	64	64	64	63	63	63	63	64	64	64
34											
35	90	18	18	18	18	18	19	19	19	19	19
36											
37	95	4	4	4	4	4	4	4	4	4	4
38											
39	100	1	1	1	1	1	1	1	1	1	1
40											
41	PEAK DEMAND (MW)	12577	12729	12831	12813	12952	13098	13286	13427	13581	13735

Case No. : U-14838
Exhibit: DE-16
Schedule: F1-7
Page: 1 of 2
Witness: A.F. Colandrea

MICHIGAN PUBLIC SERVICE COMMISSION
THE DETROIT EDISON COMPANY

BUNDLED LOAD DURATION CURVES, 2006-2015 FORECAST

LINE NO.	% OF ANNUAL PEAK DEMAND	DURATION (HOURS)									
		<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
1	5	8760	8760	8784	8760	8760	8760	8784	8760	8760	8760
2											
3	10	8760	8760	8784	8760	8760	8760	8784	8760	8760	8760
4											
5	15	8760	8760	8784	8760	8760	8760	8784	8760	8760	8760
6											
7	20	8760	8760	8784	8760	8760	8760	8784	8760	8760	8760
8											
9	25	8760	8760	8784	8760	8760	8760	8784	8760	8760	8760
10											
11	30	8760	8760	8784	8760	8760	8760	8784	8760	8760	8760
12											
13	35	8681	8676	8700	8669	8669	8669	8693	8671	8678	8679
14											
15	40	8013	7932	7927	7865	7863	7861	7895	7887	7930	7936
16											
17	45	6290	6187	6179	6138	6132	6135	6162	6161	6202	6209
18											
19	50	4858	4785	4779	4744	4740	4746	4767	4771	4801	4806
20											
21	55	2512	2394	2322	2247	2239	2256	2281	2323	2408	2430
22											
23	60	1059	1026	1014	1010	1010	1011	1014	1023	1041	1045
24											
25	65	683	676	670	670	670	670	670	673	680	682
26											
27	70	457	447	446	445	447	445	447	447	454	454
28											
29	75	290	286	285	283	283	283	285	286	289	289
30											
31	80	161	159	157	157	157	157	158	158	159	159
32											
33	85	69	66	67	67	67	67	67	67	67	68
34											
35	90	20	19	18	18	18	18	18	19	19	19
36											
37	95	5	4	5	5	5	5	5	4	4	4
38											
39	100	1	1	1	1	1	1	1	1	1	1
40											
41	PEAK DEMAND (MW)	11840	11969	11983	11920	12058	12204	12392	12533	12687	12841

Case No.: U-14838
Exhibit: DE-16
Schedule: F-1-7
Page: 2 of 2
Witness: A.F. Colandrea

Schedule F2

Michigan Public Service Commission
The Detroit Edison Company
Long Range Resource Plan
Summer Peak Loads & Capabilities

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
		Service Area Peak Demand Forecast	Electric Choice	Bundled Peak Demand Forecast ⁽¹⁾	Interruptible Demand Adjustment	Adjusted Peak Demand	Planned Reserve Margin	Annual Sale	Total Resources Required	Summer Available Operating Capability ⁽²⁾	Planned Capacity Changes	Long Term Purchased Capacity	Additional Summer Capacity Requirement
Line No.	Year	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
1	2005 ⁽³⁾	12,320	1,223	11,097	245	10,852	1,639	300	12,791	11,029	0	83	1,685
2													
3	2006	12,577	737	11,840	245	11,595	1,731	50	13,376	11,029	39	83	2,225
4													
5	2007	12,729	760	11,969	245	11,724	1,752		13,476	11,068	0	83	2,325
6													
7	2008	12,831	848	11,983	245	11,738	1,757		13,495	11,068	0	83	2,344
8													
9	2009	12,813	893	11,920	245	11,675	1,749		13,424	11,068	(20)	83	2,293
10													
11	2010	12,952	894	12,058	245	11,813	1,770		13,583	11,048	(10)	83	2,462
12													
13	2011	13,098	894	12,204	245	11,959	1,792		13,751	11,038	56	83	2,574
14													
15	(1) Coincident with Service Area Peak Demand												
16	(2) Adjusted for planned cold standby status of Marysville Power Plant												
17	(3) 2005 Actual												

Case No. : U-14838
Exhibit: DE-16
Schedule: F2
Page: 1 of 1
Witness: J. H. Byron,
A. F. Colandrea

Schedule F3

Michigan Public Service Commission
The Detroit Edison Company
Capital Expenditures - Total Company
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F3
Page: 1 of 1
Witness: D. Brudzynski

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
Line No.	Description		Actual 2005	2006	2007	Forecast 2008	2009	2010	2011
1									
2	Capital								
3	Nuclear Generation	DE-16, F3-1	71,854						
4	Distribution Operation	DE-16, F3-5	339,983						
5	Fossil Production	DE-16, F3-2	121,807						
6	Fuel Supply / MERC	DE-16, F3-3	2,136						
7	Corporate Staff	DE-16, F3-6	43,617						
8									
9	Total	L3 thru L7	579,397	579,397	596,200	610,508	625,771	640,790	656,169
10									
11	Inflation Adjustment	L9 * L27	-	16,803	14,309	15,263	15,019	15,379	17,060
12									
13	Subtotal	L9 + L11	579,397	596,200	610,508	625,771	640,790	656,169	673,229
14									
15	PEP Savings		-	(20,000)	(23,000)	(29,000)	(29,000)	(29,000)	(29,000)
16									
17	Special Projects or Known and Measurable Changes								
18	Nuclear Generation	DE-16, F3-1		9,827	57,425	54,903	12,462	38,552	(28,865)
19	Distribution Operation	DE-16, F3-5		24,398	73,358	72,934	68,954	75,946	86,827
20	Fuel Supply / MERC	DE-16, F3-3		1,208	1,925	2,369	1,328	2,965	688
21	Environmental	DE-16, F3-4	65,092	248,759	349,738	299,304	195,467	107,387	100,000
22	Corporate Staff	DE-16, F3-6	69,921	131,297	58,274	3,078	(2,096)	(2,096)	(2,096)
23	Subtotal Additional Adjustments	L19 thru L25	135,013	415,489	540,719	432,588	276,115	222,754	156,554
24									
25	Total Annual Capital Expenditures	L13 + L15 + L23	714,410	991,689	1,128,228	1,029,359	887,905	849,923	800,783
26									
27	Inflation Adjustment Factor	DE-16, F1-1		2.9%	2.4%	2.5%	2.4%	2.4%	2.6%

Schedule F3-1

Michigan Public Service Commission
The Detroit Edison Company
Capital Expenditures - Nuclear Generation
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F3-1
Page: 1 of 1
Witness: W. A. Colonnello

(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line No.	Description	Actual 2005	Forecast					
		2006	2007	2008	2009	2010	2011	
1								
2	Base Capital	27,801						
3								
4	Extraordinary Capital	23,830						
5								
6	Nuclear Fuel	20,223						
7								
8	Total	L2 + L4 + L6	71,854	73,938	75,712	77,605	79,468	81,375
9								
10	Inflation Adjustment	L8 * L24	2,084	1,775	1,893	1,863	1,907	2,116
11								
12	PEP Savings		0	0	0	0	0	0
13								
14	Subtotal	L8 + L10 + L12	73,938	75,712	77,605	79,468	81,375	83,491
15								
16	Additional Adjustments							
17	Nuclear Fuel		(1,193)	42,735	20,103	1,774	45,418	(13,041)
18	Extraordinary Capital		1,276	6,983	28,826	6,435	(9,382)	(16,521)
19	Base Capital		9,745	7,706	5,974	4,253	2,515	697
20	Subtotal Additional Adjustments	L17 + L18 + L19	9,827	57,425	54,903	12,462	38,552	(28,865)
21								
22	Total Annual Capital Expenditures	L14 + L20	83,765	133,137	132,508	91,930	119,927	54,625
23								
24	Inflation Adjustment Factor	DE-16, F1-1	2.9%	2.4%	2.5%	2.4%	2.4%	2.6%

Schedule F3-1a

Michigan Public Service Commission
The Detroit Edison Company
Base Capital Expenditures - Nuclear Generation
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F3-1a
Page: 1 of 2
Witness: W. A. Colonnello

(a)		(b)
Line No.	Project Name	Actual 2005
1	Cooling Tower	574
2	GSW Pump Discharge Valves	42
3	Retube South Aux Boiler	447
4	Liner in RHR Complex Drain Line	311
5	EECW Flow Improvement Scoping	1,069
6	Rad Monitoring Equipment	501
7	EECW Backup Heat Exchanger	293
8	EECW Area Cooler	30
9	Scoop Tube	98
10	EECW RHR Pump Seal Upgrade	108
11	EECW Make-up System Booster Pump	64
12	CCHVAC Intake & Exhaust Damper	135
13	322A09 MOV Test Equip.	2
14	IRMs, SRMs, LPRMs, Dry Tubes	1,420
15	RHR Complex SW Pumps	1,316
16	Drywell Cooler	796
17	EDG Muffler Replacement	116
18	RF11 Breaker Replacement	31
19	Condensate Filter Demin	656
20	Gland Seal Valve N3010F603	85
21	GSW Fire Protection Equipment	9
22	RF11 Condenser Expansion Joint	4
23	MCC Bucket Replacement	104
24	N2200F601	296
25	GSW Pump Discharge Valves	78
26	Raw Water Tank	44
27	HPCI Overspeed Test Equipment	(43)
28	Suspended Capital Projects	(316)
29	Out Building #45	758
30	OSB Entrance	287
31	Platforms for Turbine Valves	(3)
32	Hot Tool Crib	107
33	55-Ton Crane for Fermi Site	37
34	Torus Room Improvements	216
35	IT Program Management Improvements	1,111
36	Integrated Process Computer Equipment	522
37	Control Room Simulator Upgrade	1,779
38	I&C Training Process Simulator	2
39	Appendix R	66
40	Black Start Alternate AC Source	1,684
41	Firewrap	301
42	Spare Transformer Storage Pad	1,227
43	Appendix R - Lighting	42
44	CTG Diesel Generator	40
45	Abandonment MSIV LC	80
46	Permanent Drywell Sheilding	73
47	Transformer	2,452
48	Cathodic Protection	21
49	13 Control Rod Blades	180
50	E1100F031 A/B	(26)
51	Upgrade Refuel Bridge Equipment	2,403

Schedule F3-1a

Michigan Public Service Commission
The Detroit Edison Company
Base Capital Expenditures - Nuclear Generation
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F3-1a
Page: 2 of 2
Witness: W. A. Colonnello

(a)		(b)
Line No.	Project Name	Actual 2005
52	GEMAC Controller - Off Gas	27
53	MPU 2	32
54	CCHVAC Paper Recorders	411
55	Unitized Actuators	709
56	Safety Relief Valve	431
57	Circ Water Pump #2	740
58	Control Rod Drives	298
59	B31 Reactor Valve Stem	33
60	Drywell Cooler Leak	2
61	120 kV Switchyard	2,330
62	General Plant - Lab & Test Equipment	658
63	General Plant - Tools	170
64	General Plant - Computers	266
65	General Plant - Miscellaneous	65
66	Total Base Capital	29,806

Schedule F3-1b

Michigan Public Service Commission
The Detroit Edison Company
Capital Expenditures - Nuclear Generation
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F3-1b
Page: 1 of 1
Witness: W. A. Colonnello

	(a)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
Line		Actual	Forecast					
No.	Project Name	2005	2006	2007	2008	2009	2010	2011
1	Power Uprate / Moisture Separator Htr	\$19,386	\$17,275	\$13,000	\$14,500	\$12,000	\$4,000	\$0
2	Design Basis Threat [DBT]	371	492	1,500	1,000	0	0	0
3	Security System Upgrade	1,867	0	5,808	17,351	13,967	11,301	5,749
4	Dry Cask Storage	701	4,279	8,130	21,712	6,823	2,305	5,419
5	Spent Fuel Pool	1,505	3,751	3,655	0	0	0	0
6	Total Extraordinary Capital	\$23,830	\$25,797	\$32,093	\$54,563	\$32,790	\$17,606	\$11,168
7	Uranium	\$9,927	\$0	\$26,315	\$27,026	\$0	\$27,744	\$0
8	Enrichment	0	16,600	21,988	0	22,705	23,424	0
9	Fabrication	8,705	2,938	12,180	11,252	1,285	13,214	10,187
10	Conversion	1,591	0	3,242	3,342	0	3,444	0
11	In-Core Adj/Analysis/Fees	0	78	319	325	150	495	270
12	Total Nuclear Fuel	\$20,223	\$19,616	\$64,044	\$41,945	\$24,140	\$68,321	\$10,457

Schedule F3-2

Michigan Public Service Commission
The Detroit Edison Company
Capital Expenditures - Fossil Generation
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F3-2
Page: 1 of 1
Witness: G. Harris

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line No.	Description	Actual 2005	Forecast					
		2006	2007	2008	2009	2010	2011	
1								
2	Safety	1,678						
3								
4	Environmental Non NO _x	27,824						
5								
6	Boiler & Turbine	54,894						
7								
8	Cables & Controls	11,073						
9								
10	ER Support	1,058						
11								
12	Balance of Plant	25,279						
13								
14	Total Capital	L2 thru L12	121,807					
15								
16								
17	Total Base	121,807	121,807	125,340	128,348	131,556	134,714	137,947
18								
19	Inflation Adjustment	L17 * L27	3,532	3,008	3,209	3,157	3,233	3,587
20								
21	Base Inflated	L17 + L19	125,340	128,348	131,556	134,714	137,947	141,534
22								
23	PEP Savings		-	-	-	-	-	-
24								
25	Total Annual Capital	L21 + L23	125,340	128,348	131,556	134,714	137,947	141,534
26								
27	Inflation Adjustment Factor	DE-16, F1-1	2.9%	2.4%	2.5%	2.4%	2.4%	2.6%

Schedule F3-3

Michigan Public Service Commission
The Detroit Edison Company
Capital Expenditures - MERC
Years 2005-2011 Organizational View

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F3-3
Page: 1 of 1
Witness: G. Lapplander

(\$000)

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line		Actual	Forecast					
No.	Description	2005	2006	2007	2008	2009	2010	2011
1	MERC	<u>2,136</u>	2,136	2,198	2,251	2,307	2,362	2,419
2								
3	Inflation Adjustment		<u>62</u>	<u>53</u>	<u>56</u>	<u>55</u>	<u>57</u>	<u>63</u>
4	Subtotal		2,198	2,251	2,307	2,362	2,419	2,482
5								
6	Other MERC Projects		<u>1,208</u>	<u>1,925</u>	<u>2,369</u>	<u>1,328</u>	<u>2,965</u>	<u>688</u>
7								
8	Total Annual Capital Expenditures		<u>3,406</u>	<u>4,176</u>	<u>4,676</u>	<u>3,690</u>	<u>5,384</u>	<u>3,170</u>
9								
10								
11	Inflation Adjustment Factor ⁽¹⁾		2.9%	2.4%	2.5%	2.4%	2.4%	2.6%

⁽¹⁾ Exh DE-16, F1-1

Schedule F3-4

Michigan Public Service Commission
The Detroit Edison Company
Capital Expenditures - Environmental
For Years 2005-2011
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F3-4
Page: 1 of 2
Witness: S. W. Boyd

Line No.	(a) PLANT	(b) 2005	(c) 2006	(d) 2007	(e) 2008	(f) 2009	(g) 2010	(h) 2011	(i) Total
1	Belle River	-	400	17,200	-	-	-	-	17,600
2	Greenwood	-	-	-	-	-	-	-	-
3	Harbor Beach	-	-	-	-	-	-	-	-
4	Monroe	52,524	231,527	322,538	289,304	185,467	97,387	-	1,178,746
5	River Rouge	-	-	-	-	-	-	-	-
6	St. Clair	6,232	10,638	-	-	-	-	-	16,870
7	Trenton Channel	-	-	-	-	-	-	-	-
9	Sub Total	58,756	242,565	339,738	289,304	185,467	97,387	-	1,213,216
10	Emergent Work Fund ⁽¹⁾	6,336	6,194	10,000	10,000	10,000	10,000	100,000	152,530
11	Total	<u>65,092</u>	<u>248,759</u>	<u>349,738</u>	<u>299,304</u>	<u>195,467</u>	<u>107,387</u>	<u>100,000</u>	<u>1,365,746</u>

(1) Emergent Work Fund includes projects related to as-yet uncertain regulatory requirements. This would include items such as 316(b) and Michigan-specific mercury regulations.

Schedule F3-4

Michigan Public Service Commission
The Detroit Edison Company
Emission Reduction Strategy
For Years 2005-2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F3-4
Page: 2 of 2
Witness: S. W. Boyd

EMISSION REDUCTION TECHNOLOGY

Line No.	(a) PLANT	(b) 2005	(c) 2006	(d) 2007	(e) 2008	(f) 2009	(g) 2010	(h) 2011
1	Belle River 1			LNB/OFA				
2	Belle River 2							
3	Greenwood							
4	Harbor Beach							
5	Marysville							
6	Monroe 1		LNBR				FGD	
7	Monroe 2		LNBR				FGD	
8	Monroe 3		LNBR	SCR		FGD		
9	Monroe 4	LNBR			FGD			
10	River Rouge 2							
11	River Rouge 3							
12	St. Clair 1		LNB/OFA					
13	St. Clair 2		LNB/OFA					
14	St. Clair 3							
15	St. Clair 4							
16	St. Clair 6							
17	St. Clair 7							
18	Trenton HP							
19	Trenton 9							

Key

LNB = Low NOx Burners

LNBR = Low NOx Burner Retrofit

OFA = Over Fire Air

SCR = Selective Catalytic Reduction

FGD = Flue Gas Desulfurization

Schedule F3-5

Michigan Public Service Commission
The Detroit Edison Company
Capital Expenditures - Energy Delivery and Customer Service
Years 2005 - 2011
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F3-5
Page: 1 of 1
Witness: V. Dow
D. Broome

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line		Actual	Forecast					
No.	Description	2005	2006	2007	2008	2009	2010	2011
1	<u>New Business:</u>							
2	Customer Connections (includes Street Lighting and New Business Line Clearance)	50,292						
3	Meters	6,261						
4	Meters for Electric Choice*	979						
5	Transformers	22,759						
6	Total New Business	80,291						
7	Customer Advances for Construction	(41,896)						
8	<u>System Strengthening and Reliability:</u>							
9	Capital Line Clearance	5,983						
10	Reliability/General Load Growth	51,288						
11	New Business Specific Projects	14,657						
12	Major Equipment	12,123						
13	Substation/Station Improvement	8,017						
14	Distributed Generation	1,135						
15	Total System Strengthening and Reliability	93,203						
16	<u>System Strengthening Blankets:</u>							
17	Increased Loads	5,501						
18	System Improvements	7,133						
19	Relocations	9,210						
20	Normal Retirement Unit Changeouts	2,007						
21	Emergency Retirement Unit Changeouts and Storm	43,060						
22	Total System Strengthening Blankets	66,911						
23	Total System Strengthening, Reliability and Blankets	160,114						
24	Total New Business, CIAC, System Strengthening & Reliability	198,509						
25	General Plant	16,058						
26	Substation Security	4,980						
27	Non-Productive Labor Directs	3,242						
28	Removal Directs	1,896						
29	Total ED Direct Capital	224,685						
30	Gen Construction Transfers & Accruals (Capital Completions)	(69,465)						
31	General Overheads (REP, SCO and Engg Clr)	91,676						
32	Benefits and Payroll Tax	37,714						
33	Removal Indirects	50,121						
34	Total ED Indirect Capital	110,046						
35	Total DO Capital	334,731						
36	Total Customer Service and Premium Power	5,252						
37	Total ED Capital (DO, CS and PP)	339,983	339,983	349,843	358,239	367,195	376,007	385,032
38	Inflation Adjustment		9,860	8,396	8,956	8,813	9,024	10,011
39	Base Inflated		349,843	358,239	367,195	376,007	385,032	395,042
40	PEP Savings		(6,000)	(15,000)	(21,000)	(21,000)	(21,000)	(21,000)
41	Additional Adjustments							
42	AMR Project (O&M Saving Contingent on Capital Spend)		-	48,358	47,334	42,854	49,146	59,427
43	Reliability Improvement		18,998	19,400	19,900	20,300	20,800	21,300
44	Customer Service and Premium Power		5,400	5,600	5,700	5,800	6,000	6,100
45	Subtotal Additional Adjustments		24,398	73,358	72,934	68,954	75,946	86,827
46	Total Annual Capital Expenditures with inflation		368,240	416,597	419,128	423,961	439,978	460,869
47	Inflation Adjustment Factor		2.9%	2.4%	2.5%	2.4%	2.4%	2.6%

Schedule F3-6

Michigan Public Service Commission
The Detroit Edison Company
Capital Expenditures - Corporate Staff
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F3-6
Page: 1 of 1
Witness: D. Brudzynski

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line No.	Description	Actual 2005	2006	2007	2008	2009	2010	2011
1	Capital							
2	Corporate Offices and Other	236						
3	Corporate Services	24,549						
4	General Counsel	127						
5	Finance (incl Treasury, Tax)	27						
6	Controller	3,852						
7	Human Resources	387						
8	Communications & Gov't Affairs	153						
9	Information Technology	17,766						
10	Reg Affairs	4						
11	Accounting Adjustments	(3,484)						
12	Total	<u>43,617</u>	43,617	44,882	45,959	47,108	48,239	49,396
13								
14	EBS	<u>69,921</u>						
15								
16	Inflation Adjustment		1,265	1,077	1,149	1,131	1,158	1,284
17								
18	Base Inflated		44,882	45,959	47,108	48,239	49,396	50,681
19								
20	PEP Savings		(14,000)	(8,000)	(8,000)	(8,000)	(8,000)	(8,000)
21								
22	Additional Adjustments							
23	EBS (Software/Hardware, AFUDC/A&G)		113,473	27,000	-	-	-	-
24	CTA		4,720	3,340	500			
25	Headquarters Maintenance and Improvements		13,104	27,934	2,578	(2,096)	(2,096)	(2,096)
26	Subtotal Additional Items		131,297	58,274	3,078	(2,096)	(2,096)	(2,096)
27								
28	Total Annual Capital Expenditures	<u>113,538</u>	<u>162,179</u>	<u>96,233</u>	<u>42,186</u>	<u>38,143</u>	<u>39,300</u>	<u>40,585</u>
29								
30	Inflation Adjustment Factor		2.9%	2.4%	2.5%	2.4%	2.4%	2.6%

Schedule F5

Michigan Public Service Commission
The Detroit Edison Company
O&M Expense - Total Electric
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5
Page: 1 of 1
Witness: D. Brudzynski

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
Line No.	Description	Source	Actual 2005	2006	2007	Forecast			
			2008	2009	2010	2011			
1									
2	Operations								
3	Nuclear Generation	DE-16, F5-1.1	72,746						
4	Fossil Production & Environ	DE-16, F5-2, Pg 3	100,334						
5	Fuel Supply / MERC	DE-16, F5-2, Pg 4	6,820						
6	Environmental & Staff	DE-16, F5-2, Pg 2	7,308						
7	Distribution Operation	DE-16, F5-3	76,514						
8	Customer Service	DE-16, F5-4	69,644						
9	Regulated Marketing	DE-16, F5-5	16,456						
10	Corporate Staff	DE-16, F5-7	259,460						
11	Total Operations	L3 thru L10	609,281						
12									
13	Maintenance								
14	Nuclear Generation	DE-16, F5-1.1	47,811						
15	Fossil Production & Environ	DE-16, F5-2, Pg 3	207,520						
16	Fuel Supply / MERC	DE-16, F5-2, Pg 4	759						
17	Environmental & Staff	DE-16, F5-2, Pg 2	2,397						
18	Distribution Operation	DE-16, F5-3	140,058						
19	Customer Service	DE-16, F5-4	386						
20	Regulated Marketing	DE-16, F5-5	504						
21	Total Maintenance	L14 thru L20	399,437						
22									
23	ECIT	DE-16, F5-3	4,283						
24									
25	Total Base	L11 + L21 + L23	1,013,001	1,013,001	1,042,713	1,067,738	1,094,431	1,120,697	1,147,594
26									
27	Inflation Adjustment	L25 * L50		29,377	25,025	26,693	26,266	26,897	29,837
28									
29	Base Inflated	L25 + L27		1,042,713	1,067,738	1,094,431	1,120,697	1,147,594	1,177,432
30									
31	PEP Savings			(33,100)	(109,200)	(155,400)	(155,400)	(155,400)	(155,400)
32									
33	Special Projects or Known and Measurable Changes								
34	Nuclear Generation	DE-16, F5-1.1		2,952	1,845	2,362	894	413	877
35	Fossil Production & Environ	DE-16, F5-2, Pg 3		11,000	2,805	6,972	13,146	16,816	16,293
36	Distribution Operation	DE-16, F5-3		19,909	19,448	17,501	15,471	14,504	13,298
37	Customer Service	DE-16, F5-4		2,209	1,184	(968)	(3,143)	(5,810)	(9,049)
38	Corporate Staff	DE-16, F5-7	39,858	39,858	39,858	39,858	39,858	39,858	39,858
39	Uncollectibles	DE-16, F5-6	37,640	40,969	40,371	39,115	38,539	38,627	38,724
40	Benefits	DE-16, F5-8	239,049	258,826	274,977	274,408	271,581	266,487	268,041
41	MERC Fuel	DE-16, F5-2, Pg 4	33,208	38,300	39,650	41,650	38,950	36,250	36,250
42	MERC A&G	DE-16, F5-2, Pg 4	3,032	3,396	3,634	3,571	3,713	3,859	4,229
43	Subtotal Additional Adjustments	L34 thru L42	352,787	417,419	423,772	424,470	419,009	411,003	408,521
44									
45	Total Annual O&M	L29 + L31 + L43	1,365,788	1,427,031	1,382,310	1,363,501	1,384,307	1,403,197	1,430,553
46									
47	Known and Measurable Changes								
48	over Year 2005	L45 - L25, Col (b)			16,522				
49			(0)						
50	Inflation Adjustment Factor	DE-16, F1-1		2.9%	2.4%	2.5%	2.4%	2.4%	2.6%

Schedule F5-1.1

Michigan Public Service Commission
The Detroit Edison Company
O&M Expense - Nuclear Generation
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-1.1
Page: 1 of 1
Witness: W. Colonnello

	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line			Actual	Forecast					
No.	Description		2005	2006	2007	2008	2009	2010	2011
1									
2	Operations								
3	Supervision and Engineering		13,917						
4	Fuel		0						
5	Coolants and Water		2,577						
6	Steam Expense		15,696						
7	Electric Expense		2,998						
8	Miscellaneous Steam		36,555						
9	Other Operations		1,003						
10	Total Operations	L3 thru L9	<u>72,746</u>						
11									
12	Maintenance								
13	Supervision and Engineering		14,743						
14	Structures		1,757						
15	Boiler		21,037						
16	Electric Plant		2,069						
17	Miscellaneous Plant		8,157						
18	Other Maintenance		48						
19	Total Maintenance	L13 thru L18	<u>47,811</u>						
20									
21									
22	Total Base	L10 + L19	<u>120,557</u>	120,557	124,053	127,030	130,206	133,331	136,531
23									
24	Inflation Adjustment	L22 * L40		3,496	2,977	3,176	3,125	3,200	3,550
25									
26	Base Inflated	L22 + L24		124,053	127,030	130,206	133,331	136,531	140,081
27									
28	PEP Savings			(4,300)	(4,100)	(8,400)	(8,400)	(8,400)	(8,400)
29									
30	Additional Adjustments								
31	Refuel Outages			(1,117)	(2,321)	(1,908)	(3,479)	(4,065)	(3,717)
32	Security Response Expense			4,069	4,166	4,270	4,373	4,478	4,594
33	Subtotal Additional Adjustments	L31 + L32		2,952	1,845	2,362	894	413	877
34									
35	Total Annual O&M	L26 + L28 + L33		<u>122,705</u>	<u>124,776</u>	<u>124,169</u>	<u>125,825</u>	<u>128,544</u>	<u>132,558</u>
36									
37	Known and Measurable Changes								
38	over Year 2005	L35 - L22 Col.(b)			<u>4,219</u>				
39									
40	Inflation Adjustment Factor	DE-16, F1-1		2.9%	2.4%	2.5%	2.4%	2.4%	2.6%

Schedule F5-1.1a

Michigan Public Service Commission
The Detroit Edison Company
O&M Expenditures - Nuclear Generation
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-1.1a
Page: 1 of 1
Witness: W. A. Colonnello

**Nuclear
Operating and Maintenance Expenditures
Year 2005**

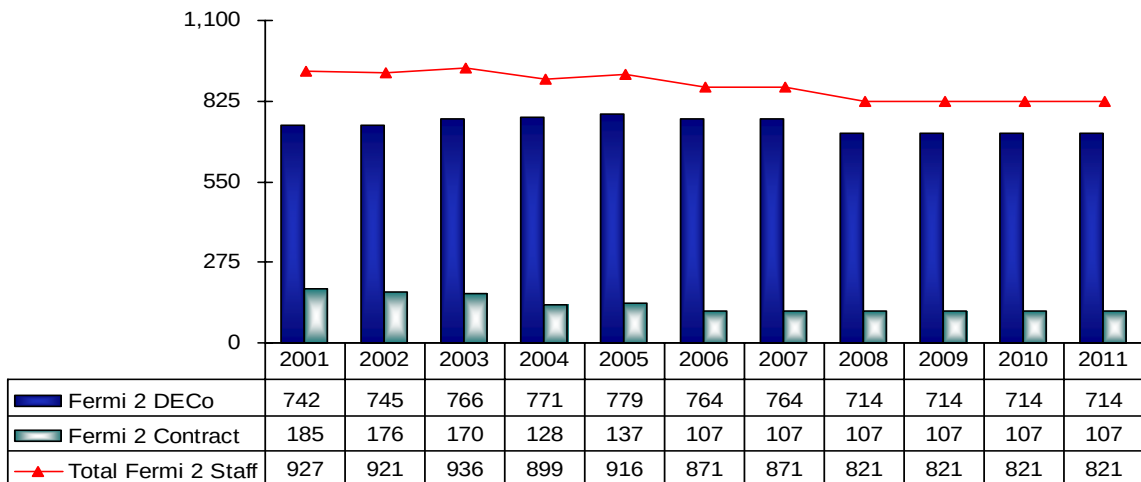
(a)	(b)
Line No.	Actual 2005
Organization	
1 Nuclear Organization	\$83,529
2 Regulatory Assessments [Dues]	8,152
3 Nuclear Organization - Base	\$91,681
4 Emergent Projects	\$2,279
5 Security Response	
6 Base	2,637
7 Regulatory Assessments [Dues]	394
8 Security Rate Relief	(3,954)
9 Total Security Response	(\$923)
10 Refueling Outage	
11 Refuel Outage	671
12 Refuel Outage Indirects	
13 Refuel Outage Accrual	22,134
14 Refuel Outage Reversal	(671)
15 Total Refueling Outage	\$22,134
16 Sub Total Nuc Gen	\$115,171
17 Total Nuc Gen Directs	\$115,171
18 Accounting Adjustments	
19 Rebuildable Inventory	315
20 Obsolete Material	434
21 REP	4,637
22 Total Accounting Adjustments	\$5,386
23 Total Nuclear Generation	\$120,557
24 FERC Account Summary	
25 Operating FERC Accounts	72,746
26 Maintenance FERC Accounts	47,811
27 Total Nuclear FERC Accounts	\$120,557

Schedule F5-1.1b

Michigan Public Service Commission
The Detroit Edison Company
O&M Staffing - Nuclear Generation
for Years 2001 - 2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-1.1b
Page: 1 of 1
Witness: W. A. Colonnello

Staffing



Note: 2006 through 2011 is projected Fermi 2 staffing

Schedule F5-1.1c

Michigan Public Service Commission
The Detroit Edison Company
O&M Expenditures - Nuclear Generation
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-1.1c
Page: 1 of 1
Witness: W. A. Colonnello

**Nuclear
Operating and Maintenance Expenditures
Year 2005**

(a)	(b)
Line No.	Actual 2005
Organization	
1 DECo Labor Straight Time	\$54,310
2 DECo Labor Over Time	4,590
3 DECo Labor Rest / OnCall	95
4 DECo Labor Bonus / Incentives	1,050
5 Contract Labor / Services	13,264
6 Material	7,610
7 Other: Phones, Travel, Bus Exp, etc.	2,610
8 Total Nuclear Organization	\$83,529

Line No.	Actual 2005
Head Count	
9 DECo	772
10 Contract	107
11 Total Base	879
12 DECo	7
13 Contract	30
14 Total Security Response	37
15 Total Headcount	916

Schedule F5-1.1d

Michigan Public Service Commission
The Detroit Edison Company
O&M Dues - Nuclear Generation
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-1.1d
Page: 1 of 1
Witness: W. A. Colonnello

**Business Unit: NUCGN
Operating and Maintenance Expenditures
Regulatory Assessments - DUES
Year 2005**

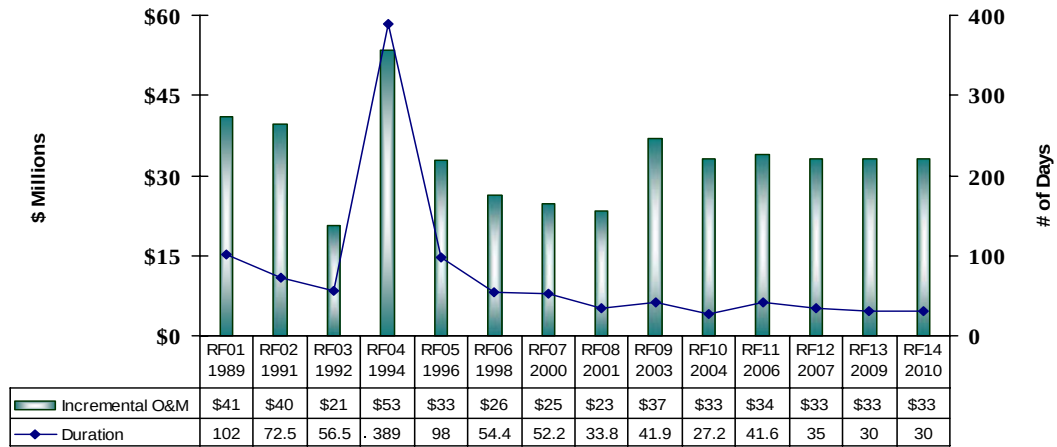
(a)		(b)
Line No.	Organization	Actual 2005
1	Base	
2	Nuclear Regulatory Commission	\$4,386
3	EPRI	1,352
4	INPO Annual Dues	763
5	Emergency Response Orgs	879
6	General Electric (BWR)	145
7	Nuclear Energy Institute	412
8	USA	108
9	Miscellaneous	107
10	Sub-Total	\$8,152
11	Security Response	
12	Nuclear Regulatory Commission	\$394
13	Total	\$8,546

Schedule F5-1.2

Michigan Public Service Commission
The Detroit Edison Company
Nuclear Generation - Outage Cost / Duration
for RF01 through RF14

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-1.2
Page: 1 of 1
Witness: W. A. Colonnello

Outage Cost / Duration

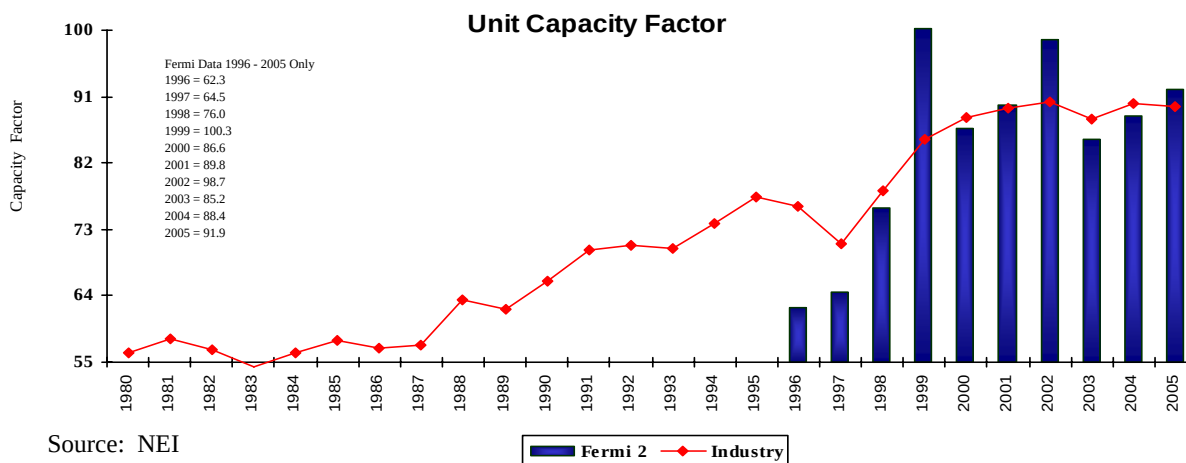


Note: RF11 through RF14 forecast

Schedule F5-1.3

Michigan Public Service Commission
The Detroit Edison Company
Nuclear Industry Unit Capacity Factor
for Years 1980 - 2005

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-1.3
Page: 1 of 1
Witness: W. A. Colonnello



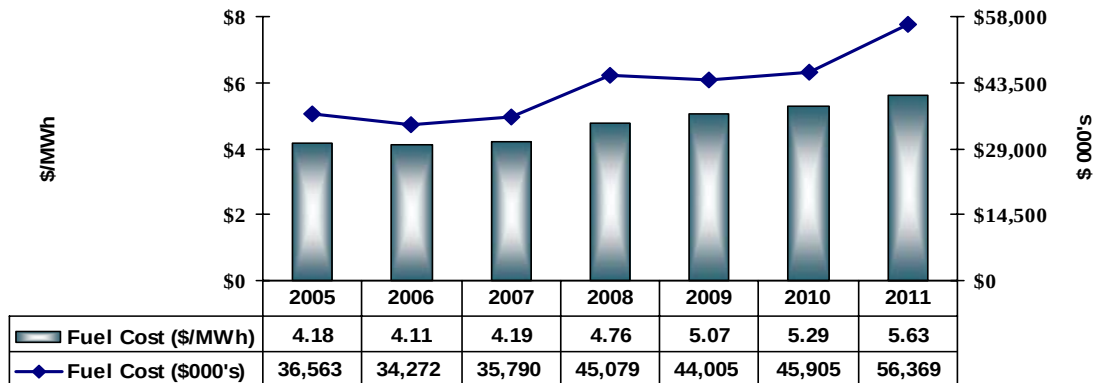
Note: Capacity Factor is based on Department of Energy (DOE) reporting data

Schedule F5-1.4

Michigan Public Service Commission
The Detroit Edison Company
Nuclear Generation - Annual Fuel Cost
for Years 2005 - 2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-1.4
Page: 1 of 1
Witness: W. A. Colonnello

Annual Fuel Cost



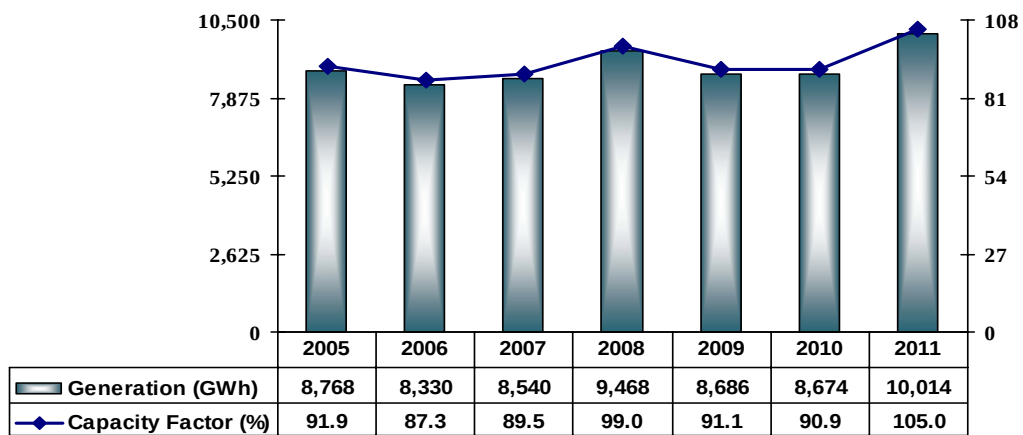
Note: 2006 through 2011 forecast

Schedule F5-1.5

Michigan Public Service Commission
The Detroit Edison Company
Annual Nuclear Generation and
Capacity Factor for Years 2005 - 2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-1.5
Page: 1 of 1
Witness: W. A. Colonnello

Annual Generation and Capacity Factor



Notes:

Generation is based on Department of Energy (DOE) reporting data
2006 through 2010 includes power uprate projections of an additional 4 MW
2011 includes power uprate projections of an additional 66 MW
2006 through 2011 forecast

Schedule F5-2

Michigan Public Service Commission
The Detroit Edison Company
O&M Expense - Power Generation Summary (non-Nuclear)
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-2
Page: 1 of 6
Witness: G. Harris

(a)			(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line			Actual						
No.	Description	Source	2005	2006	2007	2008	2009	2010	2011
1									
2	Support Organizations								
3	Total Energy Resource Support O&M	Pg 2, L21	9,705	9,986	10,226	10,482	10,733	10,991	11,277
4	Fuel Supply Organization Support	Pg 5, L3	1,468	1,511	1,447	1,435	1,473	1,512	1,555
5	Fuel Supply Organization Fuel Handling	Pg 5, L1	6,111	6,288	6,439	6,600	6,759	6,921	7,101
6									
7	Total Support Organizations	L3 thru L5	17,284	17,785	18,112	18,517	18,965	19,424	19,933
8									
9	Fossil Generation O&M								
10	Fossil Gen Base O&M (adj)	Pg 3, L55	307,855	317,517	293,405	290,119	298,398	306,877	316,281
11									
12	Total SCR and Scrubbers	Pg 3, L57			2,805	6,972	13,146	16,816	16,293
13									
14	Total Fossil Organizational O&M	L10 thru L12	307,855	317,517	296,211	297,091	311,544	323,692	332,574
15									
16	Total O&M	L7 + L14	325,139	335,303	314,323	315,608	330,509	343,116	352,507

Schedule F5-2

Michigan Public Service Commission
The Detroit Edison Company
O&M Expenditures - Fossil Generation
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-2
Page: 2 of 6
Witness: G. N. Harris

Total Energy Resource Support O&M

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
Line No.	Description	Source	Actual 2005	Forecast					
			2006	2007	2008	2009	2010	2011	
1									
2	Environmental Organization								
3	Operations		6,820						
4	Maintenance		1,940						
5	Total EMR	L3 + L4	8,760						
6									
7	Power Generation and Energy Resources								
8	Staff Organizations								
9	Operations		488						
10	Maintenance		457						
11	Total PG and ER Staff	L9 + L10	945						
12									
13	Total Base	L5 + L11	9,705	9,705	9,986	10,226	10,482	10,733	10,991
14									
15	Inflation Adjustment	L13 * L26		281	240	256	252	258	286
16									
17	Base Inflated	L13 + L15		9,986	10,226	10,482	10,733	10,991	11,277
18									
19	PEP			-	-	-	-	-	-
20									
21	Total Annual O&M (Directs + REP)	L17 + L19		9,986	10,226	10,482	10,733	10,991	11,277
22									
23	Known and Measurable Changes								
24	over Year 2005	L21 - L13 Col.(b)			521				
25									
26	Inflation Adjustment Factor	DE16, F1-1		2.9%	2.4%	2.5%	2.4%	2.4%	2.6%

Schedule F5-2

Michigan Public Service Commission
The Detroit Edison Company
O&M Expenditures - Fossil Generation
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-2
Page: 3 of 6
Witness: G. Harris

	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line			Actual	Forecast					
No.	Description	Source	2005	2006	2007	2008	2009	2010	2011
1									
2	Fossil Operations								
3	Steam Power Prod-Op Sup & Eng		9,829						
4	Steam Power Prod - Fuel (adj)		21,009						
5	Steam Power Prod-Steam Exp		27,303						
6	Steam Power Prod-Electric Exp		3,823						
7	Steam Power Prod-Misc Exp (adj)		30,183						
8	HydraulicOpr-Supv&Engineering		535						
9	HydraulicOpr-Electric		349						
10	HydraulicOpr-Misc		972						
11	OtherPwr-Generation		171						
12	OtherPwr-System Control		4,064						
13	Misc Other (adj)		2,095						
14	Total Operations (adj)	L3 thru L13	<u>100,335</u>						
15									
16	Fossil Maintenance								
17	Supervision & Engineering		16,240						
18	Maintenance of Structures		37,463						
19	Maintenance of Boil Plt Equip (adj)		85,192						
20	Maintenance of EI Plant Equip		29,181						
21	Maintenance of Misc Steam Plt		33,065						
22	HydraulicMtc-Supv&Engineering		921						
23	HydraulicMtc-Structures		93						
24	HydraulicMtc-Dams		484						
25	HydraulicMtc-Electric Plant		1,361						
26	HydraulicMtc-Misc		542						
27	OtherPwr-Structures		45						
28	OtherPwr-Electric Plant Misc		2,933						
29	Total Maintenance (adj)	L17 thru L28	<u>207,520</u>						
30									
31									
32									
33	Total Base	L14 + L29	<u>307,855</u>	307,855	317,117	325,005	333,419	341,698	350,177
34									
35	Inflation Adjustment	L33 * L52		8,928	7,611	8,125	8,002	8,201	9,105
36									
37	Base Inflated	L33 + L35		317,117	325,005	333,419	341,698	350,177	359,581
38									
39	PEP Savings			(10,600)	(31,600)	(43,300)	(43,300)	(43,300)	(43,300)
40									
41	Additional Adjustments								
42	2006 - Additional Periodic work			11,000	-	-	-	-	-
43	SCR Environmental cost				2,805	2,786	8,959	8,443	7,920
44	Scrubbers Environmental cost					4,186	4,186	8,373	8,373
45	Subtotal Additional Adjustments	L42 thru L44	<u>0</u>	<u>11,000</u>	<u>2,805</u>	<u>6,972</u>	<u>13,146</u>	<u>16,816</u>	<u>16,293</u>
46									
47	Total Annual O&M	L37 + L39 + L47	<u>307,855</u>	<u>317,517</u>	<u>296,211</u>	<u>297,091</u>	<u>311,544</u>	<u>323,692</u>	<u>332,574</u>
48									
49	Known and Measurable Changes								
50	over Year 2005	L47 - L33 Col.(b)			<u>(11,644)</u>				
51									
52	Inflation Adjustment Factor	DE16, F1-1		2.9%	2.4%	2.5%	2.4%	2.4%	2.6%
53									
54	O & M Recap								
55	Total Fossil Gen O&M (adj)	L37+ L39 + L42	307,855	317,517	293,405	290,119	298,398	306,877	316,281
56									
57	Total SCR and Scrubbers	L43 + L44	-	-	2,805	6,972	13,146	16,816	16,293
58									
59	Total		<u>307,855</u>	<u>317,517</u>	<u>296,211</u>	<u>297,091</u>	<u>311,544</u>	<u>323,692</u>	<u>332,574</u>

Schedule F5-2

Michigan Public Service Commission
The Detroit Edison Company
O&M Expenditures - Fuel Supply
Years 2005-2011 Organizational View
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-2
Page: 4 of 6
Witness: G. Lapplander

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
Line No.	Description	Source	Actual 2005	2006	2007	Forecast			
						2008	2009	2010	2011
1									
2	Operations								
3	Supervision and Engineering		248						
4	Fuel		6,111						
5	Miscellaneous Steam Expenses		462						
6	Other		(1)						
7	Total Operations	L3 thru L6	6,820						
8									
9	Maintenance								
10	Supervision and Engineering		336						
11	Miscellaneous Steam Plant		410						
12	Other		13						
13									
14	Total Maintenance	L10 thru L12	759						
15									
16	Total	L7 + L14	7,579	7,579	7,799	7,986	8,185	8,382	8,583
17									
18	Inflation Adjustment	L16 * L34		220	187	200	196	201	223
19									
20	Total Annual O&M	L16 + L18		7,799	7,986	8,185	8,382	8,583	8,806
21									
22	PEP Savings			0	(100)	(150)	(150)	(150)	(150)
23									
24	Total w/PEP	L20 + L22		7,799	7,886	8,035	8,232	8,433	8,656
25									
26	Additional Adjustments								
27	MERC A&G		3,032	3,396	3,634	3,571	3,713	3,859	4,229
28	MERC		33,208	38,300	39,650	41,650	38,950	36,250	36,250
29									
30		L20+L22+L27+L28	43,819	49,495	51,170	53,256	50,895	48,542	49,135
31									
32	Known and Measurable Changes	L30 - L16 Col.(b)			7,351				
33									
34	Inflation Adjustment Factor	DE16, F1-1		2.9%	2.4%	2.5%	2.4%	2.4%	2.6%

Schedule F5-2

Michigan Public Service Commission
The Detroit Edison Company
O&M Expenses
Years 2005-2011 Organizational View

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-2
Page: 5 of 6
Witness: G. Lapplander

(\$000)

Fuel Supply and MERC Organizational View

	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line No.		Source	Actual 2005	2006	2007	Forecast 2008	2009	2010	2011
1	Fuel Handling ⁽¹⁾		6,111	6,288	6,439	6,600	6,759	6,921	7,101
2									
3	Fuel Supply Support		1,468	1,511	1,447	1,435	1,473	1,512	1,555
4									
5	Total Fuel Supply	L1 + L3	7,579	7,799	7,886	8,035	8,232	8,433	8,656
6									
7	MERC Fuel Handling ⁽¹⁾		9,385	9,624	10,067	10,227	10,343	10,579	11,038
8									
9	MERC Fuel Handling Adjustment		23,823	28,676	29,583	31,423	28,607	25,671	25,212
10									
11	Total MERC Fuel Handling	L7 + L9	33,208	38,300	39,650	41,650	38,950	36,250	36,250
12									

(1) Account 501 - Fuel Handling

Schedule F5-2

Michigan Public Service Commission
The Detroit Edison Company
Operating Expenses - Electric
Years 2005 - 2011
(000's)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-2
Page: 6 of 6
Witness: G. Harris
G. Lapplander

Total Fossil Fuel Handling Expense

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line No.		Actual	Forecast					
		2005	2006	2007	2008	2009	2010	2011
1	Fossil and Support Organizations	23,774	25,073	26,049	27,394	28,797	30,131	31,379
2								
3	Accounting Adjustments (MPPA)	(544)	(560)	(573)	(588)	(602)	(616)	(632)
4								
5	Total Fossil Adjusted	23,230	24,513	25,476	26,807	28,195	29,515	30,747
6								
7	Fuel Supply	6,111	6,288	6,439	6,600	6,759	6,921	7,101
8								
9	MERC	9,385	9,624	10,067	10,227	10,343	10,579	11,038
10								
11	Total ⁽¹⁾	38,726	40,425	41,982	43,634	45,297	47,015	48,886
12								
13	MERC Fuel Handling Adjustment	23,823	28,676	29,583	31,423	28,607	25,671	25,212
14								
15	Total	<u>62,549</u>	<u>69,101</u>	<u>71,565</u>	<u>75,057</u>	<u>73,904</u>	<u>72,686</u>	<u>74,098</u>

⁽¹⁾ Account 501 Fuel Handling Expense

Schedule F5-3

Michigan Public Service Commission
The Detroit Edison Company
O&M Expense - Energy Delivery 2005 - 2011
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-3
Page: 1 of 1
Witness: V. Dow

	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line No.	Description		Actual 2005	2006	2007	Forecast			
						2008	2009	2010	2011
1	Distribution Operations								
2	Line Clearance		1,024						
3	Storm		16,449						
4	Other		59,041						
5	Total Operations	L2 thru L4	76,514						
6	Distribution Maintenance								
7	Line Clearance		29,742						
8	Storm		43,097						
9	Other		67,219						
10	Total Maintenance	L7 thru L9	140,058						
11	Electric Choice		4,283						
12	Total	L5 + L10 + L11	220,855	220,855	227,260	232,714	238,532	244,257	250,119
13	Inflation Adjustment	L12 * L25		6,405	5,454	5,818	5,725	5,862	6,503
14	Base Inflated			227,260	232,714	238,532	244,257	250,119	256,622
15	PEP Savings			(7,900)	(24,600)	(34,000)	(34,000)	(34,000)	(34,000)
16	Additional Adjustments								
17	AMR Project (savings are dependent on AMR capital)				(939)	(2,869)	(4,563)	(6,011)	(7,502)
18	Pole Attachment Expense			2,173	2,225	2,281	2,336	2,392	2,454
19	Line Clearance Increased Reliability			17,736	18,162	18,616	19,062	19,520	20,028
20	Electric Choice					(527)	(1,364)	(1,397)	(1,682)
21	Subtotal Additional Adjustments	L17 thru L20		19,909	19,448	17,501	15,471	14,504	13,298
22	Total Annual O&M	L14 + L15 + L21		239,269	227,562	222,033	225,728	230,623	235,920
23	Known and Measurable Changes								
24	over Year 2005	L22 - L12 Col.(b)			6,707				
25	Inflation Adjustment Factor	DE-16, F1-1		2.9%	2.4%	2.5%	2.4%	2.4%	2.6%

Schedule F5-4

Michigan Public Service Commission
The Detroit Edison Company
O&M Expense - Customer Service (Detroit Edison)
(\$000's)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-4
Page: 1 of 1
Witness: D. Broome

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line No.	Description	Actual 2005	2006	2007	2008	2009	2010	2011
1								
2	Operations							
3	Customer Records & Collections	49,693						
4	Meter Reading	10,166						
5	Other Customer Service	9,784						
6	Total Operations	69,644						
7								
8	Maintenance							
9	Customer Records & Collections	0						
10	Meter Reading	0						
11	Other Customer Service	386						
12	Total Maintenance	386						
13								
14	Total Base	70,030	70,030	72,061	73,791	75,635	77,451	79,310
15								
16	Inflation Adjustment		2,031	1,729	1,845	1,815	1,859	2,062
17								
18	Base Inflated		72,061	73,791	75,635	77,451	79,310	81,372
19								
20	PEP Savings		0	(5,000)	(5,850)	(5,850)	(5,850)	(5,850)
21								
22	Additional Adjustments							
23	Impact of Proposed Billing Rules		2,209	2,252	2,319	2,374	2,431	2,494
24	AMR Savings		0	(1,068)	(3,287)	(5,517)	(8,241)	(11,543)
25	Subtotal Additional Adjustments		2,209	1,184	(968)	(3,143)	(5,810)	(9,049)
26								
27	Total Annual O&M		74,270	69,975	68,817	68,458	67,650	66,473
28								
29	Known and Measurable Changes							
30	over Year 2005			(56)				
31								
32	Inflation Adjustment Factor		2.9%	2.4%	2.5%	2.4%	2.4%	2.6%

Schedule F5-5

Michigan Public Service Commission
The Detroit Edison Company
O&M Expense - Regulated Marketing (Detroit Edison portion)
(\$000's)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-5
Page: 1 of 1
Witness: D. Broome

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
Line			Actual	Forecast					
No.	Description		2005	2006	2007	2008	2009	2010	2011
1									
2	Operations								
3	Production		596						
4	Transmission		121						
5	Distribution		2,057						
6	Customer Accounts		109						
7	Customer Service		11,334						
8	Sales		2,103						
9	Administrative and General		135						
10	Total Operations		16,456						
11									
12	Maintenance								
13	Production		37						
14	Transmission		54						
15	Distribution		412						
16	Total Maintenance		504						
17									
18	Total Base	L10 + L16	16,960	16,960	17,451	17,870	18,317	18,757	19,207
19									
20	Inflation Adjustment	L18 * L30		492	419	447	440	450	499
21									
22	Base Inflated	L18 + L20		17,451	17,870	18,317	18,757	19,207	19,706
23									
24	PEP Savings			0	0	0	0	0	0
25									
26	Annual Regulated Marketing O&M (Deco)	L22 + L24	16,960	17,451	17,870	18,317	18,757	19,207	19,706
27									
28	Known and Measurable change over Year 2005	L 26 - L18 Col. (b)			911				
29									
30	Inflation Adjustment Factor	DE-16, F1-1		2.9%	2.4%	2.5%	2.4%	2.4%	2.6%

Schedule F5-6

Michigan Public Service Commission
The Detroit Edison Company
O&M Expense - Summary of Uncollectible Expense
(\$000's)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-6
Page: 1 of 1
Witness: D. Broome

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line No.	Description	Actual 2005	2006	2007	2008	2009	2010	2011
1								
2	Base Uncollectible Expense	37,562	37,562	37,562	37,562	37,562	37,562	37,562
3								
4	<u>Known & Measureable Changes:</u>							
5	Proposed Billing Rules Similar to 2005 Emergency Rules		3,407	3,489	3,576	3,662	3,750	3,848
6	AMR Disconnect Module Implementation		0	(680)	(2,023)	(2,685)	(2,685)	(2,685)
7	Total Known & Measurable Changes		3,407	2,809	1,553	977	1,065	1,163
8								
9	Total Uncollectible Expense (Lines 1 + 4)	37,562	40,969	40,371	39,115	38,539	38,627	38,724
10								
11	Inflation Factor (b)		2.9%	2.4%	2.5%	2.4%	2.4%	2.6%

(a) Uncollectible Expense is recorded to account 904001. Uncollectible Expense is based on billed revenue including securitization surcharges.

(b) Inflation factors are not applied to base uncollectible expense or the known and measureable changes related to AMR.

Schedule F5-7

Michigan Public Service Commission
The Detroit Edison Company
O&M Expense - Corporate Staff
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-7
Page: 1 of 1
Witness: D. Brudzynski

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line No.	Description	Actual 2005	Forecast					
		2006	2007	2008	2009	2010	2011	
1								
2	Operations & Maintenance							
3	Corporate Offices and other	38,042						
4	Corporate Services	41,143						
5	General Counsel	5,761						
6	Finance (incl Treasury, Tax)	33,833						
7	Controller	18,166						
8	General Auditor	4,004						
9	Human Resources	19,335						
10	Communications & Gov't Affairs	8,030						
11	Information Technology	58,254						
12	Reg Affairs	4,693						
13	Enterprise Business Systems (EBS)	20,961						
14	Accounting Adjustments	14,262						
15	Total Operations & Maintenance	L3 thru L14 266,484						
16								
17	Disallowed Corporate Memberships	(70)						
18	Disallowed Advertising Expenses	(824)						
19	Incentive Plan Payout Adjustment	(6,124)						
20								
21	Total	L15 + L17 thru L19 259,466	259,466	266,991	273,398	280,233	286,959	293,846
22								
23	Inflation Adjustment	L24 * L38	7,525	6,408	6,835	6,726	6,887	7,640
24								
25	Base Inflated	L21 + L23	266,991	273,398	280,233	286,959	293,846	301,486
26								
27	PEP Savings		(7,900)	(32,100)	(49,700)	(49,700)	(49,700)	(49,700)
28								
29	Additional Adjustments							
30	LIEEF	39,858	39,858	39,858	39,858	39,858	39,858	39,858
31	Subtotal Additional Adjustments	L30 39,858	39,858	39,858	39,858	39,858	39,858	39,858
32								
33	Total Annual O&M	L25 + L27 + L31 299,324	298,949	281,156	270,391	277,117	284,004	291,644
34								
35	Known and Measurable Changes							
36	over Year 2005	L33 - L21 Col (b)		(18,168)				
37								
38	Inflation Adjustment Factor	DE-16, F1-1	2.9%	2.4%	2.5%	2.4%	2.4%	2.6%

Schedule F5-8

Michigan Public Service Commission
The Detroit Edison Company
Employee Benefit Cost Summary
(\$000)

Case No.: U-14838
Witness: R. J. Lueders
Exhibit No.: DE-16
Schedule No.: F5-8
Page: 1 of 1

Line No.	(a) Descriptions	(b) Source	(c)	(d)	(e)	(f)	(g)	(h)	(i)
			Actual 2005	Forecast					
			2006	2007	2008	2009	2010	2011	
1	Qualified Pension	DE-16, Sch. F5-9	\$ 106,678	\$ 100,630	\$ 106,029	\$ 100,314	\$ 90,254	\$ 78,104	\$ 74,550
2	OPEB	DE-16, Sch. F5-10	120,414	149,383	160,896	157,696	156,101	153,553	151,847
3	Less Transition Cost Securitized		(6,984)	(6,984)	(6,984)	(6,984)	(6,984)	(6,984)	(6,984)
4	Net OPEB	L2 + L3	113,430	142,399	153,912	150,712	149,117	146,569	144,863
5	Active Health Care		69,677	75,948	82,783	89,406	95,664	101,882	107,740
6	Life Insurance		7,077	8,288	8,537	8,793	9,057	9,328	9,608
7	Savings Plan		22,212	23,080	23,888	24,724	25,589	26,485	27,412
8	Other		12,414	18,454	16,705	17,028	17,268	17,323	17,732
9	Estimated PEP Impact on Retirement Benefits		0	(1,477)	(7,034)	(8,161)	(8,161)	(8,161)	(8,161)
10	Estimated PEP Impact on Active Employee Benefits (under review)		<u>0</u>	<u>(1,939)</u>	<u>(9,675)</u>	<u>(11,759)</u>	<u>(11,759)</u>	<u>(11,759)</u>	<u>(11,759)</u>
11	Total Employee Benefit Costs	L1 + L4 thru L10	\$ 331,488	\$ 365,383	\$ 375,145	\$ 371,057	\$ 367,029	\$ 359,771	\$ 361,985
12	Less capitalized and transferred		<u>(92,439)</u>	<u>(108,957)</u>	<u>(111,868)</u>	<u>(110,649)</u>	<u>(109,448)</u>	<u>(107,284)</u>	<u>(107,944)</u>
13	O&M Employee Benefit Expense	L9 + L10	<u>\$ 239,049</u>	<u>\$ 256,426</u>	<u>\$ 263,277</u>	<u>\$ 260,408</u>	<u>\$ 257,581</u>	<u>\$ 252,487</u>	<u>\$ 254,041</u>

Schedule F5-9

Michigan Public Service Commission
The Detroit Edison Company
Pension Cost - Total
(\$000)

Case No.: U-14838
Witness: R. J. Lueders
Exhibit No.: DE-16
Schedule No.: F5-9
Page: 1 of 1

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
Line No.	Description	Source	Actual 2005	2006	2007	Forecast 2008	2009	2010	2011
1	Cost Component								
2	Service cost		\$ 52,962	\$ 50,520	\$ 53,597	\$ 56,298	\$ 59,135	\$ 62,115	\$ 65,246
3	Interest cost		130,366	133,426	139,324	144,199	149,377	154,877	160,728
4	Expected return on assets		(135,125)	(135,615)	(137,805)	(148,518)	(164,460)	(181,995)	(192,648)
5	Amortization:								
6	Transition		0	0	0	0	0	0	0
7	Prior service cost		8,463	7,528	6,333	5,901	5,637	4,173	3,572
8	(Gain)/Loss		50,012	44,771	44,580	42,434	40,565	38,934	37,652
9	Total Amortization	L6+L7+L8	\$ 58,475	\$ 52,299	\$ 50,913	\$ 48,335	\$ 46,202	\$ 43,107	\$ 41,224
10	Sub-Total	L2+L3+L4+L9	\$ 106,678	\$ 100,630	\$ 106,029	\$ 100,314	\$ 90,254	\$ 78,104	\$ 74,550
11	Plus Regulatory Liability		0	0	0	0	0	0	0
12	Total Cost Before Estimated PEP Impact		\$ 106,678	\$ 100,630	\$ 106,029	\$ 100,314	\$ 90,254	\$ 78,104	\$ 74,550
13	Estimated PEP Impact		0	(941)	(4,496)	(5,231)	(5,231)	(5,231)	(5,231)
14	Estimated Total Cost Including PEP Impact		\$ 106,678	\$ 99,689	\$ 101,533	\$ 95,083	\$ 85,023	\$ 72,873	\$ 69,319

Schedule F5-10

Michigan Public Service Commission
The Detroit Edison Company
Other Post Employment Benefits (OPEB)
(\$000)

Case No.: U-14838
Witness: R. J. Lueders
Exhibit No.: DE-16
Schedule No.: F5-10
Page: 1 of 1

Line No.	(a) Description	(b) Source	(c) Actual 2005	(d) 2006	(e) 2007	(f) 2008	(g) 2009	(h) 2010	(i) 2011
	Forecast								
1	Cost Components:								
2	Service cost		\$ 43,832	\$ 47,435	\$ 53,676	\$ 57,774	\$ 61,907	\$ 65,977	\$ 70,592
3	Interest cost		79,597	87,750	95,924	100,665	106,225	111,469	117,444
4	Expected return on assets		(57,803)	(48,043)	(51,583)	(58,267)	(65,701)	(73,202)	(82,315)
5	Amortization:								
6	Transition		7,257	6,625	6,625	6,625	6,625	6,625	6,625
7	Prior service cost		3,695	3,695	3,695	3,695	3,695	3,695	3,695
8	(Gain)/Loss		43,836	51,921	52,559	47,204	43,350	38,989	35,806
9	Total Amortization	L6+L7+L8	<u>\$ 54,788</u>	<u>\$ 62,241</u>	<u>\$ 62,879</u>	<u>\$ 57,524</u>	<u>\$ 53,670</u>	<u>\$ 49,309</u>	<u>\$ 46,126</u>
10	Total SFAS 106 Cost	L2+L3+L4+L9	<u>\$ 120,414</u>	<u>\$ 149,383</u>	<u>\$ 160,896</u>	<u>\$ 157,696</u>	<u>\$ 156,101</u>	<u>\$ 153,553</u>	<u>\$ 151,847</u>
11	Prior period adjustments		0	0	0	0	0	0	0
12	Net SFAS 106 Cost (Before PEP Impact)	L10+L11	<u>\$ 120,414</u>	<u>\$ 149,383</u>	<u>\$ 160,896</u>	<u>\$ 157,696</u>	<u>\$ 156,101</u>	<u>\$ 153,553</u>	<u>\$ 151,847</u>
13	Estimated PEP Impact		0	(536)	(2,538)	(2,930)	(2,930)	(2,930)	(2,930)
14	Estimated Total Cost Including PEP Impact		<u>\$ 120,414</u>	<u>\$ 148,847</u>	<u>\$ 158,358</u>	<u>\$ 154,766</u>	<u>\$ 153,171</u>	<u>\$ 150,623</u>	<u>\$ 148,917</u>

Schedule F5-11

Michigan Public Service Commission
The Detroit Edison Company
MPSC Standards of Performance - Customer Service

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-11
Page: 1 of 1
Witness: D. Broome

	(a)	(b)	(c)	(d)	(e)	(f)
Line			Actual			
No.	Description	Standard	2002	2003	2004	2005
1						
2	ASA	90 seconds	90 seconds	60 seconds	48 seconds	48 seconds
3						
4	Meter Read Rate	85%	95%	95%	94%	93%
5						
6	3 Day Response Rate on Complaints	95%	98%	99%	99%	98%

Schedule F5-12

Michigan Public Service Commission
The Detroit Edison Company
Summary of Corporate Staff PEP Cost Savings
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-12
Page: 1 of 1
Witness: D. Brudzynski

Line No.	(a) Description	(b) 2006	(c) 2007	(d) 2008	(e) 2009	(f) 2010	(g) 2011
1							
2	Corporate Offices and Other	1,458	4,391	6,595	6,674	6,674	6,674
3	Corporate Services	2,124	8,612	14,731	14,425	14,425	14,425
4	General Counsel	589	2,133	2,920	2,992	2,992	2,992
5	Finance (incl Treasury, Tax)	1,284	4,408	5,402	5,556	5,556	5,556
6	Controller	87	1,558	3,282	3,040	3,040	3,040
7	Human Resources	242	2,010	3,704	3,836	3,836	3,836
8	Communications & Gov't Affairs	645	2,143	2,565	2,602	2,602	2,602
9	Information Technology	1,473	6,847	10,502	10,576	10,576	10,576
10	Total Corporate Staff O&M PEP Savings	<u>7,900</u>	<u>32,100</u>	<u>49,700</u>	<u>49,700</u>	<u>49,700</u>	<u>49,700</u>
11							
12							
13	Total Corporate Staff Capital PEP Savings	<u>14,000</u>	<u>8,000</u>	<u>8,000</u>	<u>8,000</u>	<u>8,000</u>	<u>8,000</u>

Schedule F5-13

Michigan Public Service Commission
The Detroit Edison Company
Summary of Total PEP Cost Savings
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-13
Page: 1 of 1
Witness: D. Brudzynski

Line No.	(a) Description	(b) 2006	(c) 2007	(d) 2008	(e) 2009	(f) 2010	(g) 2011
1							
2	Other O&M						
3	Fossil Generation	10,600	31,600	43,300	43,300	43,300	43,300
4	Nuclear Generation	4,300	4,100	8,400	8,400	8,400	8,400
5	Distribution Operations	7,900	24,600	34,000	34,000	34,000	34,000
6	Fuel Supply/MERC	-	100	150	150	150	150
7	Customer Service	-	5,000	5,850	5,850	5,850	5,850
8	Corporate Staff	7,900	32,100	49,700	49,700	49,700	49,700
9	Benefits (related to group savings)	2,400	11,700	14,000	14,000	14,000	14,000
10							
11	Total Other O&M PEP Cost Savings	33,100	109,200	155,400	155,400	155,400	155,400
12							
13	Property and Other Taxes (Payroll Tax Savings)	900	4,800	5,700	5,700	5,700	5,700
14							
15	Total Expense PEP Cost Savings	34,000	114,000	161,100	161,100	161,100	161,100
16							
17							
18	Capital						
19	Distribution Operations	6,000	15,000	21,000	21,000	21,000	21,000
20	Corporate Staff	14,000	8,000	8,000	8,000	8,000	8,000
21	Total Capital PEP Cost Savings	20,000	23,000	29,000	29,000	29,000	29,000
22							
23							
24	PSCR Savings	-	30,000	50,000	50,000	50,000	50,000
25							
26	Total Overall PEP Savings	54,000	167,000	240,100	240,100	240,100	240,100

Schedule F5-14

Michigan Public Service Commission
The Detroit Edison Company
Summary of Cost to Achieve
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-14
Page: 1 of 1
Witness: D. Brudzynski
R. Lueders

Line No.	(a) Description	(b) Source	(c) Amount
1			
2	Distribution Operations		3,816
3	Customer Service		2,100
4	Fossil Generation		500
5	Corporate Staff		10,170
6	Subtotal	L2 thru L5	16,586
7			
8	Consultants:		
9	Consultants Program Support		34,000
10	HR Consultants Support		5,500
11	Total Consultants Support	L9 + L10	39,500
12			
13	Subtotal (including Consultants)	L6 + L11	56,086
14			
15	Separation, Curtailment and Other Costs		
16	Separation Costs		23,421
17	Curtailment		77,379
18	Other Transitional Costs		7,776
19	Total Separation, Curtailment and Other Costs	L16 thru L18	108,575
20			
21	Total Costs to Achieve	L13 + L19	164,661

Note: Mr. Brudzynski supports Lines 2 thru 13
Mr. Lueders supports Lines 16 thru 19

Schedule F5-15

Michigan Public Service Commission
The Detroit Edison Company
Summary of Net PEP Benefits
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-15
Page: 1 of 1
Witness: D. Brudzynski

Line No.	(a) Description	(b) Source	(c) 2006	(d) 2007	(e) 2008	(f) 2009	(g) 2010	(h) 2011
1								
2	Detroit Edison PEP Cost Savings	DE-16, F5-13, L11	33,100	109,200	155,400	155,400	155,400	155,400
3	Property and Other Taxes (Payroll Tax Savings)	DE-16, F5-13, L15	900	4,800	5,700	5,700	5,700	5,700
4								
5	Total Expense PEP Cost Savings	L2 + L3	<u>34,000</u>	<u>114,000</u>	<u>161,100</u>	<u>161,100</u>	<u>161,100</u>	<u>161,100</u>
6								
7	Total Costs to Achieve	DE-16, F5-14, L23	164,661					
8								
9	Deferral		(164,661)	-	-	-	-	-
10	5 Year Amortization (2007 - 2011)	L9 ÷ 5	-	32,932	32,932	32,932	32,932	32,932
11								
12	Net PEP Benefits	L5 + L7 + L9 - L10	<u>34,000</u>	<u>81,068</u>	<u>128,168</u>	<u>128,168</u>	<u>128,168</u>	<u>128,168</u>

Schedule F5-16

Michigan Public Service Commission
The Detroit Edison Company
Corporate Overhead Costs by Support Group
- 2007 Forecast

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-16
Page: 1 of 1
Witness: D. Brudzynski

(a)		(b)	(c)
Line No.	Description	Corporate Staff Costs *	Billed to Detroit Edison *
1			
2	Corporate Offices and Other	\$ 59,029,977	\$ 43,006,464
3	Corporate Services	57,300,507	47,381,790
4	General Counsel	14,551,685	7,875,372
5	Finance (incl Treasury, Tax)	65,250,614	44,298,108
6	Controller	35,746,498	24,371,963
7	Human Resources	37,314,852	27,997,334
8	Communications & Gov't Affairs	22,520,342	16,614,978
9	Information Technology	104,179,047	75,956,943
10	Enterprise Business System	30,834,593	20,501,921
11	ER-Non Utility	5,800,492	2,150,822
12	Holding Company O&M	4,525,619	3,329,045
13	Merger Debt Interest	8,907,430	0
14	Shared Capital Assets	2,120,000	0
15	Sub-Total Corporate Staff Groups	\$ 448,081,658	\$ 313,484,739
16			
17	Customer Service	\$ 153,099,716	\$ 97,310,179
18	Regulated Marketing	24,749,316	23,793,993
19	Total	<u>\$ 625,930,690</u>	<u>\$ 434,588,912</u>

Detroit Edison Percent of Total

69%

* Includes benefits, OID, and payroll taxes

Schedule F5-17

Michigan Public Service Commission
The Detroit Edison Company
Massachusetts Formula - 2007 Forecast
(\$000)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F5-17
Page: 1 of 1
Witness: D. Brudzynski

	(a)	(b)	(c)	(e)	(f)	(g)	(h)	(i)
Line No.	Description	2005 Gross Margin	2005 Net Property	2005 Total Labor Cost	Gross Margin Percentage	Net Property Percentage	Total Labor Cost Percentage	Percentage
1								
2	Detroit Edison	2,869,391	9,672,979	471,423	79.29%	73.40%	68.33%	73.67%
3	MichCon	640,501	1,785,371	120,991	17.70%	13.55%	17.54%	16.26%
4	Citizens Gas	7,470	13,968	1,949	0.21%	0.11%	0.28%	0.20%
5	Power and Industrial Projects	(12,937)	932,650	44,596	-0.36%	7.08%	6.46%	4.39%
6	Unconventional Gas Production	60,097	419,823	5,264	1.66%	3.19%	0.76%	1.87%
7	Fuel Transportation and Marketing	49,727	227,103	37,496	1.37%	1.72%	5.43%	2.84%
8	Corporate and Other	4,749	125,966	8,246	0.13%	0.96%	1.20%	0.76%
9	Total	<u>3,618,998</u>	<u>13,177,860</u>	<u>689,964</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>

Schedule F6-1

Michigan Public Service Commission
The Detroit Edison Company
Estimated Plant Availability
for Years 2005 - 2011
(percent)

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F6-1
Page: 1 of 1
Witness: G. N. Harris

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
					Projected		
LINE		Actual					2008
NO.	PLANT	2003	2004	2005	2006	2007	thru 2011 Average
1	BELLE RIVER	81.4	92.9	82.6	89.8	81.5	85.6
2	CONNERS CREEK	99.5	99.3	95.8	90.0	95.0	95.0
3	GREENWOOD	84.7	86.5	69.2	83.7	90.0	83.9
4	HARBOR BEACH	77.4	89.1	91.4	68.7	57.2	72.9
5	MONROE	86.3	79.6	85.7	73.0	88.7	85.2
6	RIVER ROUGE	79.4	91.9	79.0	83.4	91.3	87.4
7	ST CLAIR	80.8	86.6	91.5	82.9	83.7	84.8
8	TRENTON CHANNEL	76.9	92.5	89.6	89.7	75.1	80.2
9	PEAKERS	93.0	96.9	87.3	93.0	93.0	93.0
10	LUDINGTON	90.0	86.4	92.8	86.0	86.0	86.0
11	FOSSIL SYSTEM	85.3	87.6	85.8	83.0	87.0	87.0

Schedule F6-2

Michigan Public Service Commission
The Detroit Edison Company
ECAR Availability Terms
Fossil Fueled Generation

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F6-2
Page: 1 of 1
Witness: G. N. Harris

LINE NO.

- 1 Availability = $AH/PH (100) = \%$
- 2 AH = Available Hours = The time in hours during which a unit or major equipment is available; SH + RSH
- 3 SH = Service Hours = The total number of hours the unit was actually operated with breakers closed to the station bus
- 4 RSH = Reserve Shutdown Hours = reserve shutdown duration in hours
- 5 PH = Period Hours = The clock hours in the period under consideration (generally one year)

Schedule F7-1

Michigan Public Service Commission
The Detroit Edison Company
Purchases of Power and Energy
Years 2005 - 2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F7-1
Page: 1 of 1
Witness: J. H. Byron

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line No.	Purchases	2005 ⁽¹⁾	2006 ⁽²⁾	2007	2008	2009	2010	2011
1								
2	Wholesale + MISO							
3	- GWh	4,731	5,314	3,355	2,841	2,695	2,997	2,327
4	- \$1,000	\$442,216	\$315,848	\$187,953	\$145,890	\$144,654	\$159,631	\$112,518
5								
6	Energy Imbalance							
7	- GWh	321						
8	- \$1,000	\$15,806						
9								
10	Summer Contracts (5x16)							
11	- MW		100					
12	- GWh		106					
13	- \$1,000		\$9,610					
14								
15	Summer Calls							
16	- MW	1,685	2,105	2,320	2,355	2,305	2,470	2,570
17	- GWh	787	819	767	861	1,010	1,254	1,331
18	Energy - \$1,000	\$62,486	\$70,040	\$72,227	\$77,246	\$82,369	\$95,042	\$99,047
19	Premium - \$1,000	\$15,643	\$22,320	\$31,031	\$41,595	\$62,287	\$88,945	\$91,859
20								
21	Transmission & Other							
22	- \$1,000	\$1,824						
23								
24	PURPA Qualifying Facilities							
25	- GWh	539	530	535	535	535	535	535
26	- \$1,000	\$28,428	\$26,674	\$26,757	\$26,757	\$26,757	\$26,757	\$26,757
27								
28	MISO Energy Market							
29	- \$1,000	\$7,439	\$99,961	\$98,725	\$98,436	\$99,118	\$98,376	\$102,613
30								
31	Total Purchases							
32	- GWh	6,377	6,769	4,658	4,238	4,240	4,786	4,193
33	- \$1,000	\$573,841	\$544,453	\$416,691	\$389,923	\$415,185	\$468,750	\$432,793
34		\$89.99	\$80.43	\$89.46	\$92.01	\$97.91	\$97.93	\$103.22
35								
36	(1) 2005 Actual							
37	(2) 2006 Jan & Feb Actual, March-December Projected							

Schedule F7-2

Michigan Public Service Commission
The Detroit Edison Company
Sales of Power and Energy
Years 2005 - 2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F7-2
Page: 1 of 1
Witness: J. H. Byron

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line No.	Sales	2005 ⁽¹⁾	2006 ⁽²⁾	2007	2008	2009	2010	2011
1								
2	Wholesale + MISO							
3	- GWh	5,175	1,760	1,461	1,596	1,740	1,774	2,023
4	- \$1,000	\$379,094	\$118,554	\$99,058	\$111,444	\$116,731	\$123,386	\$140,532
5								
6	Energy Imbalance Credit							
7	- GWh	42						
8	- \$1,000	\$726						
9								
10								
11	Third Party + Energy Imbalance							
12	- GWh	5,217	1,760	1,461	1,596	1,740	1,774	2,023
13	- \$1,000	\$379,820	\$118,554	\$99,058	\$111,444	\$116,731	\$123,386	\$140,532
14								
15								
16								
17								
18								
19	(1) 2005 Actual							
20	(2) 2006 Jan & Feb Actual, March-December Projected							

Schedule F7-3

Michigan Public Service Commission
The Detroit Edison Company
Purchased and Net Interchange
Years 2005 - 2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F7-3
Page: 1 of 1
Witness: J. H. Byron

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
		2005 ⁽¹⁾	2006 ⁽²⁾	2007	2008	2009	2010	2011
1								
2	Total Purchases							
3	- GWh	6,377	6,769	4,658	4,238	4,240	4,786	4,193
4	- \$1,000	\$573,841	\$544,453	\$416,691	\$389,923	\$415,185	\$468,750	\$432,793
5								
6	Total Sales							
7	- GWh	5,217	1,760	1,461	1,596	1,740	1,774	2,023
8	- \$1,000	\$379,820	\$118,554	\$99,058	\$111,444	\$116,731	\$123,386	\$140,532
9								
10	Purchased and Net Interchange							
11	- GWh	1,160	5,009	3,196	2,641	2,501	3,012	2,170
12	- \$1,000	\$194,021	\$425,900	\$317,633	\$278,479	\$298,454	\$345,364	\$292,261
13								
14								
15	(1) 2005 Actual							
16	(2) 2006 Jan & Feb Actual, March-December Projected							

Schedule F7-4

Michigan Public Service Commission
The Detroit Edison Company
Transmission Expense
Years 2005 - 2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F7-4
Page: 1 of 1
Witness: M.W. Shields

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
Line No.	2005 Actual	2006	2007	2008	2009	2010	2011
1	BASE TRANSMISSION COSTS						
2	MISO Network Transmission						
3	Schedule 1 x \$1000	\$5,133	\$5,327	\$5,421	\$5,440	\$5,409	\$5,544
4	Schedule 9 x \$1000 (ITC Zone)	\$152,913	\$171,126	\$182,035	\$186,321	\$188,971	\$195,067
5							
6	MISO Schedule 10						
7	x \$1000	\$9,415	\$9,590	\$9,958	\$9,596	\$8,822	\$8,927
8							\$9,040
9	MISO Schedule 10 - FERC Transmission						
10	x \$1000	\$1,864	\$3,627	\$3,716	\$3,738	\$3,708	\$3,753
11							\$3,800
12	Schedule 18						
13	- \$1000	\$756	N/A	N/A	N/A	N/A	N/A
14							
15	Schedule 2 Adder						
16	x \$1000	\$1,175	\$4,001	\$3,996	\$3,969	\$3,954	\$3,957
17							\$3,960
18	Seams Elimination Charge Adjustment (SECA) Adder (Schedule 22)						
19	- \$1000	\$16,097	\$2,450	N/A	N/A	N/A	N/A
20							
21	Schedule 24 - Balancing Authority Charges						
22	x \$1000	N/A	N/A	\$0	\$0	\$0	\$0
23							
24	Schedules 25, 26 - Network Upgrade Charges						
25	x \$1000	N/A	N/A	\$0	\$1,110	\$2,221	\$3,331
26							\$4,441
27	Schedules 2, 3, 5 and 6 revenues						
28	x \$1000	N/A	N/A	-\$5,000	-\$5,000	-\$5,000	-\$5,000
29							
30	Total Base Transmission						
31	x \$1000	\$187,354	\$196,120	\$200,126	\$205,174	\$208,083	\$215,508
32							\$223,291
33	MISO ENERGY MARKET COSTS						
34	MISO Schedule 16						
35	x \$1000	\$1,333	\$4,461	\$5,115	\$5,004	\$5,091	\$5,157
36							\$5,226
37	MISO Schedule 17						
38	x \$1000	\$6,106	\$8,436	\$8,631	\$8,410	\$8,351	\$8,446
39							\$8,551
40	FTR Purchases						
41	x \$1000	\$0	\$1,067	\$1,067	\$1,067	\$1,067	\$1,067
42							
43	Net Rev. Sufficiency Guar. & Make Whole payments						
44	x \$1000	Not calculated	\$18,995	\$14,246	\$14,246	\$14,246	\$14,246
45							
46	Net Congestion Cost						
47	x \$1000	Not calculated	-\$50	\$953	-\$88	\$406	\$267
48							\$1,292
49	Net Losses Cost						
50	x \$1000	Not calculated	\$44,937	\$46,598	\$47,681	\$47,841	\$47,077
51							\$50,115
52	RT Revenue Neutrality Uplift Amount						
53	x \$1000	Not calculated	\$22,115	\$22,115	\$22,115	\$22,115	\$22,115
54							
55	Total Energy Market Costs						
56	x \$1000	\$7,439	\$99,961	\$98,725	\$98,436	\$99,118	\$98,376
57							\$102,613
58	Total Base Transmission & MISO Mkt Costs						
59	x \$1000	\$ 194,794	\$ 296,082	\$ 298,851	\$ 303,610	\$ 307,201	\$ 313,884
							\$ 325,904

Schedule F7-5

Michigan Public Service Commission
The Detroit Edison Company
MISO Settlement Statement Charges/Credits

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F7-5
Page: 1 of 1
Witness: M.W. Shields

Line No.	Charge Type
1	DA Asset Energy Amount
2	DA Congestion Rebate on Carve-out GFA
3	DA Congestion Rebate on Option B GFA
4	DA Financial Bilateral Transaction Congestion Amount
5	DA Financial Bilateral Transaction Loss Amount
6	DA Loss Rebate on Carve-out GFA
7	DA Loss Rebate on Option B GFA
8	DA Market Administration Amount
9	DA Non-Asset Energy Amount
10	DA Revenue Sufficiency Guarantee Distribution Amount
11	DA Revenue Sufficiency Guarantee Make Whole Payment Amount
12	DA Virtual Energy Amount
13	FTR Hourly Allocation Amount
14	FTR Market Administration Amount
15	FTR Monthly Allocation Amount
16	FTR Transaction Amount
17	FTR Yearly Allocation Amount
18	RT Asset Energy Amount
19	RT Congestion Rebate on Carve-out GFA
20	RT Distribution of Losses Amount
21	RT Financial Bilateral Transaction Congestion Amount
22	RT Financial Bilateral Transaction Loss Amount
23	RT Loss Rebate on Carve-out GFA
24	RT Market Administration Amount
25	RT Miscellaneous Amount
26	RT Net Inadvertent Distribution Amount
27	RT Non-Asset Energy Amount
28	RT Revenue Neutrality Uplift Amount
29	RT Revenue Sufficiency Guarantee First Pass Dist Amount
30	RT Revenue Sufficiency Guarantee Make Whole Payment Amount
31	RT Uninstructed Deviation Amount
32	RT Virtual Energy Amount

Schedule F7-6

Michigan Public Service Commission
The Detroit Edison Company
MISO Settlement Statement Charges/Credits
Projections for 2006-2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F7-6
Page: 1 of 1
Witness: M.W. Shields

Line No.			<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>
			\$x1000	\$x1000	\$x1000	\$x1000	\$x1000	\$x1000
1								
2								
3	Revenue Sufficiency Estimate Calculation							
4								
5	DA Revenue Sufficiency Guarantee Distribution Amount	Apr 2005 - Mar 2006	4,469	4,469	4,469	4,469	4,469	4,469
6	DA Revenue Sufficiency Guarantee Make Whole Payment Amount	Apr 2005 - Mar 2006	(3,830)	(3,830)	(3,830)	(3,830)	(3,830)	(3,830)
7	RT Revenue Sufficiency Guarantee First Pass Dist Amount	Apr 2005 - Mar 2006	34,682	34,682	34,682	34,682	34,682	34,682
8	RT Revenue Sufficiency Guarantee Make Whole Payment Amount	Apr 2005 - Mar 2006	(16,325)	(16,325)	(16,325)	(16,325)	(16,325)	(16,325)
9								
10		Total before adjustment	\$ 18,995	\$ 18,995	\$ 18,995	\$ 18,995	\$ 18,995	\$ 18,995
11		Adjustment factor= 0.75						
12		Total after adjustment		\$ 14,246	\$ 14,246	\$ 14,246	\$ 14,246	\$ 14,246
13								
14	Congestion Calculation							
15								
16	Congestion Amount between Generation and Load		16,735	17,737	16,697	17,191	17,052	18,077
17	DA Financial Bilateral Transaction Congestion Amount	Apr 2005 - Mar 2006	4,593	4,593	4,593	4,593	4,593	4,593
18	RT Financial Bilateral Transaction Congestion Amount	Apr 2005 - Mar 2006	1,025	1,025	1,025	1,025	1,025	1,025
19	DA Congestion Rebate on Carve-out GFA	Apr 2005 - Mar 2006	(1,248)	(1,248)	(1,248)	(1,248)	(1,248)	(1,248)
20	RT Congestion Rebate on Carve-out GFA	Apr 2005 - Mar 2006	(1,158)	(1,158)	(1,158)	(1,158)	(1,158)	(1,158)
21	FTR Hourly Allocation Amount	Apr 2005 - Mar 2006	(19,116)	(19,116)	(19,116)	(19,116)	(19,116)	(19,116)
22	FTR Monthly Allocation Amount	Apr 2005 - Mar 2006	(625)	(625)	(625)	(625)	(625)	(625)
23	FTR Yearly Allocation Amount	Apr 2005 - Dec 2005	(256)	(256)	(256)	(256)	(256)	(256)
24								
25		Total	\$ (50)	\$ 953	\$ (88)	\$ 406	\$ 267	\$ 1,292
26								
27								
28	Losses Calculation							
29								
30	Marginal Losses Amount between Generation and Load		88,897	91,817	93,197	93,353	92,539	96,505
31	DA Financial Bilateral Transaction Loss Amount	Apr 2005 - Mar 2006	10,619	10,619	10,619	10,619	10,619	10,619
32	RT Financial Bilateral Transaction Loss Amount	Apr 2005 - Mar 2006	2,487	2,487	2,487	2,487	2,487	2,487
33	DA Loss Rebate on Carve-out GFA	Apr 2005 - Mar 2006	(3,115)	(3,115)	(3,115)	(3,115)	(3,115)	(3,115)
34	RT Loss Rebate on Carve-out GFA	Apr 2005 - Mar 2006	(2,134)	(2,134)	(2,134)	(2,134)	(2,134)	(2,134)
35	RT Distribution of Losses Amount	Apr 2005 - Mar 2006	(20,358)	(20,358)	(20,358)	(20,358)	(20,358)	(20,358)
36								
37		Subtotal	76,394	79,315	80,695	80,850	80,037	84,002
38								
39	Revenue for Transmission Losses		(31,457)	(32,717)	(33,014)	(33,009)	(32,960)	(33,887)
40								
41		Total	\$ 44,937	\$ 46,598	\$ 47,681	\$ 47,841	\$ 47,077	\$ 50,115
42								
43								
44	RT Revenue Neutrality Uplift Amount	Apr 2005 - Mar 2006	\$ 22,115	\$ 22,115	\$ 22,115	\$ 22,115	\$ 22,115	\$ 22,115

Schedule F8-1

Michigan Public Service Commission
The Detroit Edison Company
Electric Generation and Fuel Expense
by Plant and Fuel Type
Year 2005

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F8-1
Page: 1 of 1
Witness: J. H. Byron
G. E. Lapplander
W. A. Colonnello

	(a)	(b)	(c)	(d)	(e)	(f)
Line No.	Plant	Primary Fuel Type	Generation (GWh)	Total Unit Fuel Price (¢/MBTU)	Fuel Cost (\$/MWh)	Fuel Expense (\$1,000)
1						
2	Belle River	Coal	6,684	122	\$ 12.37	\$ 82,682
3						
4	Conners Creek	Gas	78	794	\$ 131.88	\$ 10,340
5						
6	Fermi	Nuclear	8,754	40	\$ 4.18	\$ 36,563
7						
8	Greenwood	Gas/Oil	659	746	\$ 86.51	\$ 57,008
9						
10	Harbor Beach	Coal	357	225	\$ 26.22	\$ 9,360
11						
12	Marysville	Coal	-	-	\$ -	\$ -
13						
14	Monroe	Coal	18,712	160	\$ 15.26	\$ 285,448
15						
16	River Rouge	Coal	2,939	182	\$ 18.13	\$ 53,275
17						
18	St. Clair	Coal	7,378	134	\$ 14.28	\$ 105,361
19						
20	Trenton Channel	Coal	4,227	164	\$ 17.76	\$ 75,079
21						
22	Peakers	Gas/Oil	287	917	\$ 130.56	\$ 37,500
23						
24	Ludington	Hydro	(566)	-	\$ -	\$ -
25						
26	Total System (exclude Lud)	Plants	50,075	148	\$ 15.03	\$ 752,616
27						
28	Total System	Coal	39,860	148	\$ 14.91	\$ 594,345
29						
30	Total System	Nuclear	8,754	40	\$ 4.18	\$ 36,563
31						
32	Total System	Gas	1,034	887	\$ 89.66	\$ 92,713
33						
34	Total System	No. 2 Oil	93	1,144	\$ 114.96	\$ 10,691
35		Other Oil	334	541	\$ 54.80	\$ 18,304
36						
37	Total System	Hydro	1,477	-	\$ -	\$ -
38	Total System	Pumping	(2,043)	-	\$ -	\$ -
39						
40	Total System	All Fuels	49,509	148	\$ 15.20	\$ 752,616

Schedule F8-2

Michigan Public Service Commission
The Detroit Edison Company
Electric Generation and Fuel Expense
by Plant and Fuel Type
Year 2006

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F8-2
Page: 1 of 1
Witness: J. H. Byron
G. E. Lapplander
W. A. Colonnello

	(a)	(b)	(c)	(d)	(e)	(f)
Line No.	Plant	Primary Fuel Type	Generation (GWh)	Total Unit Fuel Price (¢/MBTU)	Fuel Cost (\$/MWh)	Fuel Expense (\$1,000)
1						
2	Belle River	Coal	7,518	104	\$ 10.47	\$ 78,696
3						
4	Conners Creek	Gas	6	834	\$ 141.17	\$ 847
5						
6	Fermi	Nuclear	8,330	39	\$ 4.11	\$ 34,272
7						
8	Greenwood	Gas/Oil	326	822	\$ 97.87	\$ 31,904
9						
10	Harbor Beach	Coal	295	282	\$ 33.21	\$ 9,798
11						
12	Marysville	Coal	-	-	\$ -	\$ -
13						
14	Monroe	Coal	17,850	191	\$ 18.25	\$ 325,765
15						
16	River Rouge	Coal	2,843	204	\$ 20.25	\$ 57,561
17						
18	St. Clair	Coal	7,046	122	\$ 12.95	\$ 91,256
19						
20	Trenton Channel	Coal	4,059	180	\$ 19.41	\$ 78,780
21						
22	Peakers	Gas/Oil	182	834	\$ 104.26	\$ 18,975
23						
24	Ludington	Hydro	(437)			
25						
26	Total System (exclude Lud)	Plants	48,455	149	\$ 15.02	\$ 727,854
27						
28	Total System	Coal	39,347	159	\$ 15.93	\$ 626,759
29						
30	Total System	Nuclear	8,330	39	\$ 4.11	\$ 34,272
31						
32	Total System	Gas	513	824	\$ 82.65	\$ 42,400
33						
34	Total System	No. 2 Oil	70	1,359	\$ 135.69	\$ 9,498
35		Other Oil	195	760	\$ 76.54	\$ 14,925
36						
37	Total System	Hydro	1,040			
38	Total System	Pumping	(1,477)			
39						
40	Total System	All Fuels	48,018	149	\$ 15.16	\$ 727,854
41						
42	Note : January & February actual, March-December Forecast					

Schedule F8-3

Michigan Public Service Commission
The Detroit Edison Company
Electric Generation and Fuel Expense
by Plant and Fuel Type
Year 2007

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F8-3
Page: 1 of 1
Witness: J. H. Byron
G. E. Lapplander
W. A. Colonnello

	(a)	(b)	(c)	(d)	(e)	(f)
Line No.	Plant	Primary Fuel Type	Generation (GWh)	Total Unit Fuel Price (¢/MBTU)	Fuel Cost (\$/MWh)	Fuel Expense (\$1,000)
1						
2	Belle River	Coal	6,750	112	\$ 11.34	\$ 76,572
3						
4	Conners Creek	Gas	1	952	\$ 169.00	\$ 169
5						
6	Fermi	Nuclear	8,540	40	\$ 4.19	\$ 35,790
7						
8	Greenwood	Gas/Oil	551	900	\$ 112.34	\$ 61,898
9						
10	Harbor Beach	Coal	319	305	\$ 35.50	\$ 11,323
11						
12	Marysville	Coal	-	-	\$ -	\$ -
13						
14	Monroe	Coal	20,713	196	\$ 18.65	\$ 386,334
15						
16	River Rouge	Coal	3,259	206	\$ 20.64	\$ 67,269
17						
18	St. Clair	Coal	6,888	137	\$ 14.42	\$ 99,319
19						
20	Trenton Channel	Coal	3,581	197	\$ 21.73	\$ 77,799
21						
22	Peakers	Gas/Oil	268	115	\$ 114.51	\$ 30,690
23						
24	Ludington	Hydro	(441)			
25						
26	Total System (exclude Lud)	Plants	50,870	165	\$ 16.65	\$ 847,163
27						
28	Total System	Coal	41,147	170	\$ 17.03	\$ 700,746
29						
30	Total System	Nuclear	8,540	40	\$ 4.19	\$ 35,790
31						
32	Total System	Gas	788	950	\$ 95.28	\$ 75,084
33						
34	Total System	No. 2 Oil	53	1,488	\$ 148.30	\$ 7,860
35		Other Oil	342	807	\$ 80.94	\$ 27,683
36						
37	Total System	Hydro	1,024			
38	Total System	Pumping	(1,465)			
39						
40	Total System	All Fuels	50,429	165	\$ 16.80	\$ 847,163

Schedule F8-4

Michigan Public Service Commission
The Detroit Edison Company
Electric Generation and Fuel Expense
by Plant and Fuel Type
Year 2008

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F8-4
Page: 1 of 1
Witness: J. H. Byron
G. E. Lapplander
W. A. Colonnello

	(a)	(b)	(c)	(d)	(e)	(f)
Line No.	Plant	Primary Fuel Type	Generation (GWh)	Total Unit Fuel Price (\$/MBTU)	Fuel Cost (\$/MWh)	Fuel Expense (\$1,000)
1						
2	Belle River	Coal	6,824	116	\$ 11.84	\$ 80,828
3						
4	Conners Creek	Gas	3	891	\$ 138.14	\$ 431
5						
6	Fermi	Nuclear	9,468	46	\$ 4.76	\$ 45,079
7						
8	Greenwood	Gas/Oil	441	901	\$ 136.42	\$ 60,191
9						
10	Harbor Beach	Coal	405	306	\$ 35.64	\$ 14,433
11						
12	Marysville	Coal	-	-	\$ -	\$ -
13						
14	Monroe	Coal	19,274	211	\$ 20.18	\$ 388,971
15						
16	River Rouge	Coal	3,189	218	\$ 21.85	\$ 69,670
17						
18	St. Clair	Coal	7,447	145	\$ 15.21	\$ 113,292
19						
20	Trenton Channel	Coal	4,081	206	\$ 22.48	\$ 91,764
21						
22	Peakers	Gas/Oil	261	955	\$ 71.26	\$ 18,571
23						
24	Ludington	Hydro	(462)	-		
25						
26	Total System (exclude Lud)	Plants	51,394	170	\$ 17.19	\$ 883,230
27						
28	Total System	Coal	40,892	180	\$ 18.12	\$ 741,066
29						
30	Total System	Nuclear	9,468	46	\$ 4.76	\$ 45,079
31						
32	Total System	Gas	696	940	\$ 94.55	\$ 65,809
33						
34	Total System	No. 2 Oil	56	1,491	\$ 149.55	\$ 8,375
35		Other Oil	282	810	\$ 81.21	\$ 22,901
36						
37	Total System	Hydro	1,070			
38	Total System	Pumping	(1,532)			
39						
40	Total System	All Fuels	50,932	170	\$ 17.34	\$ 883,230

Schedule F8-5

Michigan Public Service Commission
The Detroit Edison Company
Electric Generation and Fuel Expense
by Plant and Fuel Type
Year 2009

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F8-5
Page: 1 of 1
Witness: J. H. Byron
G. E. Lapplander
W. A. Colonnello

	(a)	(b)	(c)	(d)	(e)	(f)
Line No.	Plant	Primary Fuel Type	Generation (GWh)	Total Unit Fuel Price (¢/MBTU)	Fuel Cost (\$/MWh)	Fuel Expense (\$1,000)
1						
2	Belle River	Coal	7,314	129	\$ 13.09	\$ 95,760
3						
4	Conners Creek	Gas	5	816	\$ 126.21	\$ 679
5						
6	Fermi 2	Nuclear	8,686	49	\$ 5.07	\$ 44,005
7						
8	Greenwood	Gas/Oil	525	853	\$ 129.63	\$ 68,001
9						
10	Harbor Beach	Coal	346	307	\$ 35.74	\$ 12,363
11						
12	Marysville	Coal				
13						
14	Monroe	Coal	20,374	213	\$ 20.45	\$ 416,558
15						
16	River Rouge	Coal	2,917	218	\$ 21.84	\$ 63,724
17						
18	St. Clair	Coal	6,925	153	\$ 16.19	\$ 112,147
19						
20	Trenton Channel	Coal	3,705	205	\$ 22.41	\$ 83,035
21						
22	Peakers	Gas/Oil	323	890	\$ 66.70	\$ 21,544
23						
24	Ludington	Hydro	(426)			
25						
26	Total System (exclude Lud)	Plants	51,121	177	\$ 17.95	\$ 917,816
27						
28	Total System	Coal	41,234	185	\$ 18.61	\$ 767,316
29						
30	Total System	Nuclear	8,686	49	\$ 5.07	\$ 44,005
31						
32	Total System	Gas	830	879	\$ 88.40	\$ 73,369
33						
34	Total System	No. 2 Oil	57	1,470	\$ 146.46	\$ 8,348
35		Other Oil	314	785	\$ 78.91	\$ 24,778
36						
37	Total System	Hydro	986			
38	Total System	Pumping	(1,412)			
39						
40	Total System	All Fuels	50,695	177	\$ 18.10	917,816

Schedule F8-6

Michigan Public Service Commission
The Detroit Edison Company
Electric Generation and Fuel Expense
by Plant and Fuel Type
Year 2010

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F8-6
Page: 1 of 1
Witness: J. H. Byron
G. E. Lapplander
W. A. Colonnello

	(a)	(b)	(c)	(d)	(e)	(f)
Line No.	Plant	Primary Fuel Type	Generation (GWh)	Total Unit Fuel Price (¢/MBTU)	Fuel Cost (\$/MWh)	Fuel Expense (\$1,000)
1						
2	Belle River	Coal	7,299	125	\$ 12.76	\$ 93,158
3						
4	Conners Creek	Gas	5	747	\$ 115.93	\$ 575
5						
6	Fermi	Nuclear	8,674	51	\$ 5.29	\$ 45,905
7						
8	Greenwood	Gas/Oil	605	803	\$ 122.78	\$ 74,253
9						
10	Harbor Beach	Coal	354	305	\$ 35.52	\$ 12,588
11						
12	Marysville	Coal				
13						
14	Monroe	Coal	19,704	215	\$ 20.75	\$ 408,767
15						
16	River Rouge	Coal	3,166	222	\$ 22.15	\$ 70,113
17						
18	St. Clair	Coal	7,031	150	\$ 15.85	\$ 111,426
19						
20	Trenton Channel	Coal	3,987	209	\$ 22.80	\$ 90,898
21						
22	Peakers	Gas/Oil	379	828	\$ 61.56	\$ 23,332
23						
24	Ludington	Hydro	(411)			
25						
26	Total System (exclude Lud)	Plants	51,204	179	\$ 18.18	\$ 931,015
27						
26	Total System	Coal	41,173	185	\$ 18.74	\$ 771,488
27						
28	Total System	Nuclear	8,674	51	\$ 5.29	\$ 45,905
29						
30	Total System	Gas	956	818	\$ 82.48	\$ 78,854
31						
32	Total System	No. 2 Oil	57	1,450	\$ 145.14	\$ 8,273
33		Other Oil	344	767	\$ 77.02	\$ 26,495
34						
35	Total System	Hydro	952			
36	Total System	Pumping	(1,363)			
37						
38	Total System	All Fuels	50,793	179	\$ 18.33	\$ 931,015

Schedule F8-7

Michigan Public Service Commission
The Detroit Edison Company
Electric Generation and Fuel Expense
by Plant and Fuel Type
Year 2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F8-7
Page: 1 of 1
Witness: J. H. Byron
G. E. Lapplander
W. A. Colonnello

	(a)	(b)	(c)	(d)	(e)	(f)
Line No.	Plant	Primary Fuel Type	Generation (GWh)	Total Unit Fuel Price (¢/MBTU)	Fuel Cost (\$/MWh)	Fuel Expense (\$1,000)
1						
2	Belle River	Coal	6,966	139	\$ 14.21	\$ 98,986
3						
4	Conners Creek	Gas	5	697	\$ 108.04	\$ 578
5						
6	Fermi	Nuclear	10,014	54	\$ 5.63	\$ 56,369
7						
8	Greenwood	Gas/Oil	654	760	\$ 115.65	\$ 75,665
9						
10	Harbor Beach	Coal	298	303	\$ 35.30	\$ 10,511
11						
12	Marysville	Coal				
13						
14	Monroe	Coal	20,829	216	\$ 20.89	\$ 435,129
15						
16	River Rouge	Coal	3,056	221	\$ 22.20	\$ 67,864
17						
18	St. Clair	Coal	6,947	160	\$ 17.02	\$ 118,225
19						
20	Trenton Channel	Coal	3,571	207	\$ 22.69	\$ 81,051
21						
22	Peakers	Gas/Oil	407	773	\$ 58.23	\$ 23,679
23						
24	Ludington	Hydro	(445)			
25						
26	Total System (exclude Lud)	Plants	52,748	180	\$ 18.35	\$ 968,057
27						
26	Total System	Coal	41,290	191	\$ 19.31	\$ 797,257
27						
28	Total System	Nuclear	10,014	54	\$ 5.63	\$ 56,369
29						
30	Total System	Gas	1,025	763	\$ 76.96	\$ 78,889
31						
32	Total System	No. 2 Oil	56	1,433	\$ 143.46	\$ 8,034
33		Other Oil	363	751	\$ 75.78	\$ 27,508
34						
35	Total System	Hydro	1,031			
36	Total System	Pumping	(1,476)			
37						
38	Total System	All Fuels	52,303	180	\$ 18.51	\$ 968,057
39						

Schedule F8-8

Michigan Public Service Commission
The Detroit Edison Company
NOx Seasonal Emission Allowance Projections
Years 2005 - 2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F8-8
Page: 1 of 2
Witness: J. H. Byron

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
			2005 ⁽¹⁾	2006 ⁽²⁾	2007	2008	2009	2010	2011
1									
2	Beginning Balance of Allowances	Tons	8,061	3,616	2,636	1,898	3,501	4,285	4,187
3									
4	True-up to Prior Years Consumption	Tons		(6)	-				
5	DECo Annual Allocation From EPA (Excluding Belle River)	Tons	16,273	16,273	14,646	14,646	14,646	13,769	13,769
6	Allowances Purchased before respective vintage year	Tons	725	826	-				
7	Purchase of Allowances	Tons	6,062	4,323	2,940	4,725	3,406	3,690	3,638
8	Loans	Tons	(3,202)	-	-				
9									
10	Total Available Allowance	Tons	27,919	25,032	20,222	21,269	21,554	21,744	21,594
11									
12	Expected Allowances to be Consumed	Tons	(24,302)	(22,396)	(18,324)	(17,768)	(17,269)	(17,557)	(17,412)
13									
14	Banked Tons from Prior Year	Tons	4,811	3,610	2,636	1,898			
15	Banked Allowances needed to cover consumption	Tons	1,194	974	738				
16	Flow Control Value	%	0.25	0.27	0.28	0.29			
17	Banked Tons for use at 1:1	Tons	1,203	975	738	551			
18	Banked Tons for use at 2:1	Tons	3,608	2,636	1,898	1,348			
19									
20	Banked Tons used at 1:1	Tons	1,194	974	738	-			
21	Banked Tons used at 2:1	Tons			-	-			
22	Banked Tons used	Tons	1,194	974	738	-			
23									
24	Tons Lost to Flow Control	Tons	-	-	-	-			
25									
26	Ending Balance	Tons	3,616	2,636	1,898	3,501	4,285	4,187	4,182
27									
28									
29	Beginning Balance of Allowances	\$000	\$ 1,307	\$ 5,277	\$ 3,560	\$ 2,260	\$ 2,316	\$ 1,476	\$ 1,350
30									
31	True-up to Prior Years Consumption	\$000	-	-					
32	DECo Annual Allocation From EPA (Excluding Belle River)	\$000	-	-					
33	Allowances Purchased before respective vintage year	\$000	\$ 2,387	\$ 926	\$ -	\$ -	\$ -	\$ -	\$ -
34	Purchase of Allowances	\$000	\$ 16,098	\$ 10,889	\$ 7,662	\$ 11,807	\$ 5,109	\$ 5,536	\$ 5,457
35	Loans	\$000	-	-					
36									
37	Total Available Allowance	\$000	\$ 19,792	\$ 17,092	\$ 11,222	\$ 14,067	\$ 7,425	\$ 7,012	\$ 6,808
38									
39	Expected Allowances to be Consumed	\$000	\$ (14,515)	\$ (13,532)	\$ (8,962)	\$ (11,752)	\$ (5,949)	\$ (5,661)	\$ (5,489)
40	Flow Control Allowances Consumed								
41	Total Allowances Consumed	\$000	\$ (14,515)	\$ (13,532)	\$ (8,962)	\$ (11,752)	\$ (5,949)	\$ (5,661)	\$ (5,489)
42									
43	Ending Balance Current NOx Allowances Asset Account	\$000	\$ 5,277	\$ 3,560	\$ 2,260	\$ 2,316	\$ 1,476	\$ 1,350	\$ 1,318
44									
45									
46	DECo Annual Allocation From EPA (Excluding Belle River)	\$/Ton	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
47	Allowances Purchased before respective vintage year	\$/Ton	\$ 3,293	\$ 1,121	\$ -	\$ -	\$ -	\$ -	\$ -
48	Purchase of Allowances	\$/Ton	\$ 2,656	\$ 2,519	\$ 2,606	\$ 2,499	\$ 1,500	\$ 1,500	\$ 1,500
49	Loans	\$/Ton		-	-	-	-	-	-
50									
51	Total Average Cost of Available Allowances	\$/Ton	1,459	\$ 1,350.29	\$ 1,190.43	\$ 661.39	\$ 344.50	\$ 322.46	\$ 315.25
52									
53									
54	(1) 2005 Actual								
55	(2) 2006 Jan & Feb Actual, March-December Projected								

Schedule F8-8

Michigan Public Service Commission
The Detroit Edison Company
NOx Annual Emission Allowance Projections
Years 2005 - 2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F8-8
Page: 2 of 2
Witness: J. H. Byron

Line No.	(a)	(b)	(c)	(d)	(e)	(f)
			2008	2009	2010	2011
1						
2	Beginning Balance of Allowances	Tons	-	8,918	10,166	10,276
3						
4	Other Purchases	Tons				
5	DECo Annual Allocation From EPA (Excluding Belle River)	Tons	-	31,037	31,037	31,037
6	Allowances Purchased before respective vintage year	Tons				
7	Purchase of Allowances	Tons	8,918	10,587	9,316	9,367
8	DTECS Loans	Tons				
9						
10	Total Available Allowance	Tons	8,918	50,543	50,519	50,680
11						
12	Expected Allowances to be Consumed	Tons	-	(40,377)	(40,243)	(40,399)
13						
14	Banked Tons from Prior Year	Tons				
15	Banked Allowances needed to cover consumption	Tons				
16	Flow Control Value	%				
17	Banked Tons for use at 1:1	Tons				
18	Banked Tons for use at 2:1	Tons				
19						
20	Banked Tons used at 1:1	Tons				
21	Banked Tons used at 2:1	Tons				
22	Banked Tons used	Tons				
23						
24	Tons Lost to Flow Control	Tons				
25						
26	Ending Balance	Tons	8,918	10,166	10,276	10,281
27						
28						
29	Beginning Balance of Allowances	\$000	\$ -	\$ 26,755	\$ 11,770	\$ 8,079
30						
31	Other Purchases	\$000				
32	DECo Annual Allocation From EPA (Excluding Belle River)	\$000				
33	Allowances Purchased before respective vintage year	\$000				
34	Purchase of Allowances	\$000	\$ 26,755	\$ 31,762	\$ 27,948	\$ 28,102
35	Loan to DTECS	\$000				
36						
37	Total Available Allowance	\$000	\$ 26,755	\$ 58,518	\$ 39,718	\$ 36,181
38						
39	Expected Allowances to be Consumed	\$000	\$ -	\$ (46,748)	\$ (31,639)	\$ (28,841)
40	Flow Control Allowances Consumed					
41	Total Allowances Consumed	\$000	\$ -	\$ (46,748)	\$ (31,639)	\$ (28,841)
42						
43	Ending Balance Current NOx Allowances Asset Account	\$000	\$ 26,755	\$ 11,770	\$ 8,079	\$ 7,340
44						
45						
46	DECo Annual Allocation From EPA (Excluding Belle River)	\$/Ton	\$ -	\$ -	\$ -	\$ -
47	Allowances Purchased before respective vintage year	\$/Ton	\$ -	\$ -	\$ -	\$ -
48	Purchase of Allowances	\$/Ton	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
49	DTECS Loans	\$/Ton	\$ -	\$ -	\$ -	\$ -
50						
51	Total Average Cost of Available Allowances	\$/Ton	\$ 3,000	\$ 1,158	\$ 786	\$ 714

Schedule F8-9

Michigan Public Service Commission
The Detroit Edison Company
SO2 Emission Allowance Projections
Years 2005 - 2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F8-9
Page: 1 of 1
Witness: J. H. Byron

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
			2005 ⁽¹⁾	2006 ⁽²⁾	2007	2008	2009	2010	2011
1									
2	Beginning Balance of Allowances	Tons	62,631	77,319	48,719	27,043	22,057	90,195	100,597
3	True-up of Prior Year Consumption			(228)					
4	DECo Annual Allocation From EPA (Excluding Belle River)	Tons	224,288	224,288	224,288	224,288	224,288	204,445	204,445
5	Allowances Purchased before respective vintage year	Tons	4,000	-					
6	Purchase of Allowances	Tons	-	-	-	5,285	10,043	31,103	35,716
7	Swaps	Tons		(27,500)		7,612	23,875		
8									
9	Total Available Allowance	Tons	290,919	273,879	273,007	264,228	280,263	415,937	340,758
10									
11	Expected Allowances to be Consumed	Tons	(213,600)	(225,161)	(245,964)	(242,171)	(190,068)	(315,340)	(249,994)
12									
13									
14	Ending Balance	Tons	77,319	48,719	27,043	22,057	90,195	100,597	90,764
15									
16									
17	Beginning Balance of Allowances	\$000	\$430	\$194	\$31	\$3	\$402	\$3,029	\$4,847
18									
19	DECo Annual Allocation From EPA (Excluding Belle River)	\$000	\$0	\$0					
20	Allowances Purchased before respective vintage year	\$000	\$300	\$0					
21	Purchase of Allowances	\$000	\$0	\$0	\$0	\$4,804	\$8,989	\$17,013	\$19,322
22	Swaps with DTECS	\$000	\$0	(\$18)	\$0	\$8	\$22	\$0	\$0
23									
24	Total Available Allowance	\$000	\$731	\$177	\$31	\$4,815	\$9,413	\$20,042	\$24,170
25									
26	Expected Allowances to be Consumed	\$000	(\$536)	(\$145)	(\$28)	(\$4,413)	(\$6,383)	(\$15,195)	(\$17,732)
27									
28	Ending Balance Current S02 Allowances Asset Account	\$000	\$194	\$31	\$3	\$402	\$3,029	\$4,847	\$6,438
29									
30									
31	DECo Annual Allocation From EPA (Excluding Belle River)	\$/Ton	\$0	\$0	\$0	\$0	\$0	\$0	\$0
32	Allowances Purchased before respective vintage year	\$/Ton	\$75	\$0	\$0	\$0	\$0	\$0	\$0
33	Purchase of Allowances	\$/Ton	\$0	\$0	\$0	\$909.00	\$895.00	\$547.00	\$541.00
34	Swaps with DTECS	\$/Ton	\$0	\$0	\$0	\$1.05	\$0.93	\$0.00	\$0.00
35									
36	Total Average Cost of Available Allowances	\$/Ton	\$2.51	\$0.65	\$ 0.12	\$ 18.22	\$ 33.59	\$ 48.19	\$ 70.93
37									
38									
39	(1) 2005 Actual								
40	(2) 2006 Jan & Feb Actual, March-December Projected								

Schedule F8-10

Michigan Public Service Commission
The Detroit Edison Company
Mercury Emission Allowance Projections
Years 2010 - 2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F8-10
Page: 1 of 1
Witness: J. H. Byron

Line No.	(a)	(b)	(c)	(d)
			2010	2011
1				
2	Beginning Balance of Allowances	lbs.	0	122
3				
4	DECo Annual Allocation From EPA (Excluding Belle River)	lbs.	1,236	1,236
5	Allowances Purchased before respective vintage year	lbs.	0	0
6	Purchase of Allowances	lbs.	102	0
7	Swaps with DTECS	lbs.	0	0
8				
9	Total Available Allowance	lbs.	1,338	1,358
10				
11	Expected Allowances to be Consumed	lbs.	(1,216)	(1,153)
12				
13	Ending Balance	lbs.	122	205
14				
15				
16	Beginning Balance of Allowances	\$000	\$0	\$93
17				
18	DECo Annual Allocation From EPA (Excluding Belle River)	\$000	\$0	\$0
19	Allowances Purchased before respective vintage year	\$000		
20	Purchase of Allowances	\$000	\$1,020	\$0
21	Swaps with DTECS	\$000		
22				
23	Total Available Allowance	\$000	\$1,020	\$93
24				
25	Expected Allowances to be Consumed	\$000	(\$927)	(\$79)
26				
27	Ending Balance Current Hg Allowances Asset Account	\$000	\$93	\$14
28				
29	DECo Annual Allocation From EPA (Excluding Belle River)	\$/lb.	\$0	\$0
30	Allowances Purchased before respective vintage year	\$/lb.	\$0	\$0
31	Purchase of Allowances	\$/lb.	\$10,000	\$0
32	Conervation Credit Credit Bonus Allowances	\$/lb.	\$0	\$0
32				
32	Total Average Cost of Available Allowances	\$/lb.	\$762	\$68

Schedule F9

Michigan Public Service Commission
The Detroit Edison Company
Estimated Capacity Factors (%)
Years 2005 - 2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F9
Page: 1 of 1
Witness: J. H. Byron
W. A. Colonnello

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Line No.		2005 ⁽¹⁾	2006 ⁽²⁾	2007	2008	2009	2010	2011
1								
2	Belle River 1	78.9%	81.1%	66.5%	83.6%	79.8%	83.1%	73.5%
3	Belle River 2	68.9%	86.3%	83.6%	67.9%	82.9%	79.3%	81.5%
4								
5	Conners Creek	4.2%	0.3%	0.1%	0.1%	0.2%	0.2%	0.2%
6								
7	Fermi	88.4%	87.3%	89.5%	99.0%	91.1%	90.9%	105.0%
8								
9	Greenwood	9.6%	4.7%	8.0%	6.4%	7.6%	8.8%	9.5%
10								
11	Harbor Beach	39.6%	32.7%	35.4%	44.8%	38.3%	39.3%	33.0%
12								
13	Marysville	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
14								
15	Monroe 1	69.6%	60.1%	80.8%	70.8%	79.4%	68.3%	81.8%
16	Monroe 2	56.8%	72.0%	72.1%	71.9%	72.4%	61.3%	78.8%
17	Monroe 3	70.6%	58.4%	71.5%	71.3%	66.7%	79.9%	73.2%
18	Monroe 4	75.8%	69.4%	77.6%	65.9%	80.3%	80.5%	73.5%
19								
20	River Rouge 2	77.3%	60.2%	77.8%	71.1%	78.0%	69.6%	71.8%
21	River Rouge 3	51.7%	62.8%	64.2%	67.0%	50.1%	67.6%	61.3%
22								
23	St. Clair 1	57.2%	47.9%	61.7%	60.7%	53.4%	58.3%	52.8%
24	St. Clair 2	53.4%	45.5%	55.6%	54.5%	47.0%	52.5%	46.2%
25	St. Clair 3	50.1%	49.5%	55.0%	43.9%	52.7%	49.2%	51.0%
26	St. Clair 4	62.5%	55.4%	52.4%	58.7%	57.0%	54.6%	55.2%
27	St. Clair 6	67.6%	66.1%	58.8%	65.6%	65.4%	57.9%	63.3%
28	St. Clair 7	60.0%	60.6%	52.5%	64.1%	53.9%	60.5%	57.7%
29								
30	Trenton Channel H.P.	64.9%	53.3%	32.5%	26.2%	25.6%	22.5%	23.3%
31	Trenton Channel 9	66.6%	67.6%	58.2%	69.0%	63.7%	68.4%	59.8%
32								
33	Peakers	2.4%	1.5%	2.2%	2.2%	2.7%	3.1%	3.4%
34								
35	Ludington	18.4%	12.9%	12.7%	13.3%	12.3%	11.9%	12.8%
36								
37	Total System	50.2%	49.2%	51.6%	52.0%	51.9%	52.0%	53.4%
38								

(1) 2005 Actual

(2) 2006 Jan & Feb Actual, March-December Projected

Note : Capacity Factors 2006-2011 based on winter net demonstrated capability

Michigan Public Service Commission
The Detroit Edison Company
Projected Fuel Price and Escalation Rates
(Electric) Years 2005 - 2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F10
Page: 1 of 1
Witness: G.E. Lapplander
W.A. Colonnello

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
Line No.	2005	2006	2007	2008	2009	2010	2011
1 <u>Coal</u>							
2 ¢/MBtu	148	159	170	180	185	185	191
3 % Increase		7.4	6.8	5.9	2.6	0.4	3.0
4							
5 <u>No.2 Oil</u>							
6 ¢/MBtu	1,144	1,359	1,488	1,491	1,470	1,450	1,433
7 % Increase		18.8	9.5	0.2	(1.4)	(1.4)	(1.2)
8							
9 <u>No.6 Oil</u>							
10 ¢/MBtu	541	760	807	810	785	767	751
11 % Increase		40.5	6.1	0.4	(3.1)	(2.2)	(2.1)
12							
13 <u>Natural Gas</u>							
14 ¢/MBtu	887	824	950	940	879	818	763
15 % Increase		(7.1)	15.3	(1.0)	(6.5)	(7.0)	(6.8)
16							
17 <u>Blast Furnace & Coke Oven Gas</u>							
18 ¢/MBtu	-	-	-	-	-	-	-
19 % Increase							
20							
21 <u>Nuclear Fuel</u>							
22 ¢/MBtu	40	39	41	46	49	51	54
23 % Increase		(1.5)	3.3	12.5	6.6	4.1	6.7

Schedule F11

Michigan Public Service Commission
The Detroit Edison Company
Projected Fuel and Net Purchased Power
Years 2005 - 2011

Case No.: U-14838
Exhibit No.: DE-16
Schedule: F11
Page: 1 of 1
Witness: J. H. Byron
G. E. Lapplander
W. A. Colonnello
A. F. Colandrea

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
		2005 ⁽¹⁾	2006 ⁽²⁾	2007	2008	2009	2010	2011
1								
2	Generation & Fuel							
3	- GWh	50,075	48,455	50,870	51,394	51,121	51,204	52,748
4	- \$1,000	\$ 752,616	\$ 727,854	\$ 847,163	\$ 883,230	\$ 917,816	\$ 931,015	\$ 968,057
5								
6	Ludington Losses							
7	- GWh	(566)	(437)	(441)	(462)	(426)	(411)	(445)
8								
9	Emission Allowance							
10	SO ₂ - \$1,000	\$ 536	\$ 145	\$ 28	\$ 4,413	\$ 6,383	\$ 15,195	\$ 17,732
11	NOx Seasonal - \$1,000	\$ 14,515	\$ 13,532	\$ 8,962	\$ 11,752	\$ 5,949	\$ 5,661	\$ 5,489
12	NOx Annual - \$1,000					\$ 46,748	\$ 31,639	\$ 28,841
13	Hg - \$1,000						\$ 927	\$ 79
14								
15	Net Purchased Power							
16	- GWh	1,160	5,009	3,196	2,641	2,501	3,012	2,170
17	- \$1,000	\$194,021	\$425,900	\$317,633	\$278,479	\$298,454	\$345,364	\$292,261
18								
19	Network Transmission							
20	- \$1,000	\$ 187,354	\$ 196,120	\$ 200,126	\$ 205,174	\$ 208,083	\$ 215,508	\$ 223,291
21								
22	Net System Output							
23	- GWh	50,669	53,027	53,625	53,573	53,196	53,805	54,473
24	- \$1,000	\$ 1,149,043	\$ 1,363,551	\$ 1,373,912	\$ 1,383,048	\$ 1,483,433	\$ 1,545,310	\$ 1,535,750
25								
26	Industrial Steam Expense							
27	- \$1,000	\$ 2,001	\$ 2,574	\$ 2,746	\$ 2,768	\$ 2,744	\$ 2,796	\$ 2,763
28								
29	Net System Output - Electric							
30	- GWh	50,669	53,027	53,625	53,573	53,196	53,805	54,473
31	- \$1,000	\$ 1,147,042	\$ 1,360,977	\$ 1,371,166	\$ 1,380,280	\$ 1,480,689	\$ 1,542,514	\$ 1,532,987
32								
33	Wolverine Adjustment							
34	- GWh	1,743	2,074	2,102	2,108	2,102	2,102	2,102
35	- \$1,000	\$33,082	\$45,660	\$46,010	\$46,347	\$50,395	\$51,951	\$50,645
36								
37	R-10 Adjustment							
38	- GWh	1,441	1,765	1,731	1,797	1,895	1,988	1,953
39	- \$1,000	\$ 53,151	\$ 84,138	\$ 82,634	\$ 77,081	\$ 83,404	\$ 89,835	\$ 82,432
40	Transmission - \$1000	\$ 5,328	\$ 6,528	\$ 6,460	\$ 6,882	\$ 7,413	\$ 7,963	\$ 8,006
41								
42	Net System Output Adjusted							
43	For R-10 & Wolverine							
44	- GWh	47,485	49,188	49,792	49,668	49,199	49,715	50,418
45	- \$1,000	\$ 1,055,480	\$ 1,224,650	\$ 1,236,062	\$ 1,249,970	\$ 1,339,478	\$ 1,392,765	\$ 1,391,905
46	- \$/MWh	\$ 22.23	\$ 24.90	\$ 24.82	\$ 25.17	\$ 27.23	\$ 28.01	\$ 27.61
47								

(1) 2005 Actual

(2) 2006 Jan & Feb Actual, March-December Projected