THE DETROIT EDISON COMPANY

RATE BOOK
FOR
ELECTRIC SERVICE

These Standard Rules and Regulations and Rate Schedules contained herein have been adopted by the Company to govern its relations with customers and have been approved by the Michigan Public Service Commission as an integral part of its Rate Book for Electric Service.

Copies of the Company's Rate Book for Electric Service are available on The Detroit Edison Company's website at the following website address,

http://www.dteenergy.com/businessCustomers/largeBusinesses/electric/electricRates.html

or at the Michigan Public Service Commission's website at the following website address, http://www.michigan.gov/mpsc/0,1607,7-159-16370---,00.html.

This Rate Book for Electric Service applies to the entire territory served with Electricity by the Company.

THIS RATE BOOK SUPERSEDES AND CANCELS RATE BOOK
M.P.S.C. No. 9 – Electric

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Fourth Revised Sheet No. D-12.00	December 21, 2011
Sixth Revised Sheet No. D-13.00	January 27, 2012
Fifth Revised Sheet No. D-14.00	January 27, 2012
Original Sheet D-14.01	September 15, 2010
Original Sheet D-14.02	September 15, 2010
First Revised Sheet No. D-14.03	October 29, 2011
Second Revised Sheet No. D-14.04	October 29, 2011
Fourth Revised Sheet No. D-15.00	December 21, 2011
Fourth Revised Sheet No. D-16.00	January 27, 2012
Fourth Revised Sheet No. D-17.00	January 27, 2012
Fifth Revised Sheet No. D-18.00	December 21, 2011
Original Sheet No. D-19.00	October 10, 2007
Fourth Revised Sheet No. D-20.00	December 21, 2011
Second Revised Sheet No. D-20.01	December 21, 2011
Original Sheet No. D-20.02	January 26, 2010
Fourth Revised Sheet No. D-21.00	December 21, 2011
Fifth Revised Sheet No. D-22.00	December 21, 2011
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Fourth Revised Sheet No. D-31.00	December 21, 2011
Second Revised Sheet No. D-32.00	October 20, 2009
Original Sheet No. D-33.00	October 10, 2007
Fourth Revised Sheet No. D-34.00	December 21, 2011
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Original Sheet No. D-36.00	October 10, 2007
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First Revised Sheet No. D-74.00	January 14, 2009
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Original Sheet No. D-80.00	October 10, 2007
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Original Sheet No. D-82.00	October 10, 2007
Original Sheet No. D-83.00	October 10, 2007
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Second Revised Sheet No. D-85.00	October 20, 2009
Fourth Revised Sheet No. D-86.00	December 21, 2011
Fifth Revised Sheet No. D-87.00	December 21, 2011
First Revised Sheet No. D-88.00	January 26, 2010
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Original Sheet No. D-106.00	October 9, 2009
First Revised Sheet No. E-1.00	***January 27, 2012***
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First Revised Sheet No. E-3.00	October 10, 2007
First Revised Sheet No. E-4.00	October 10, 2007
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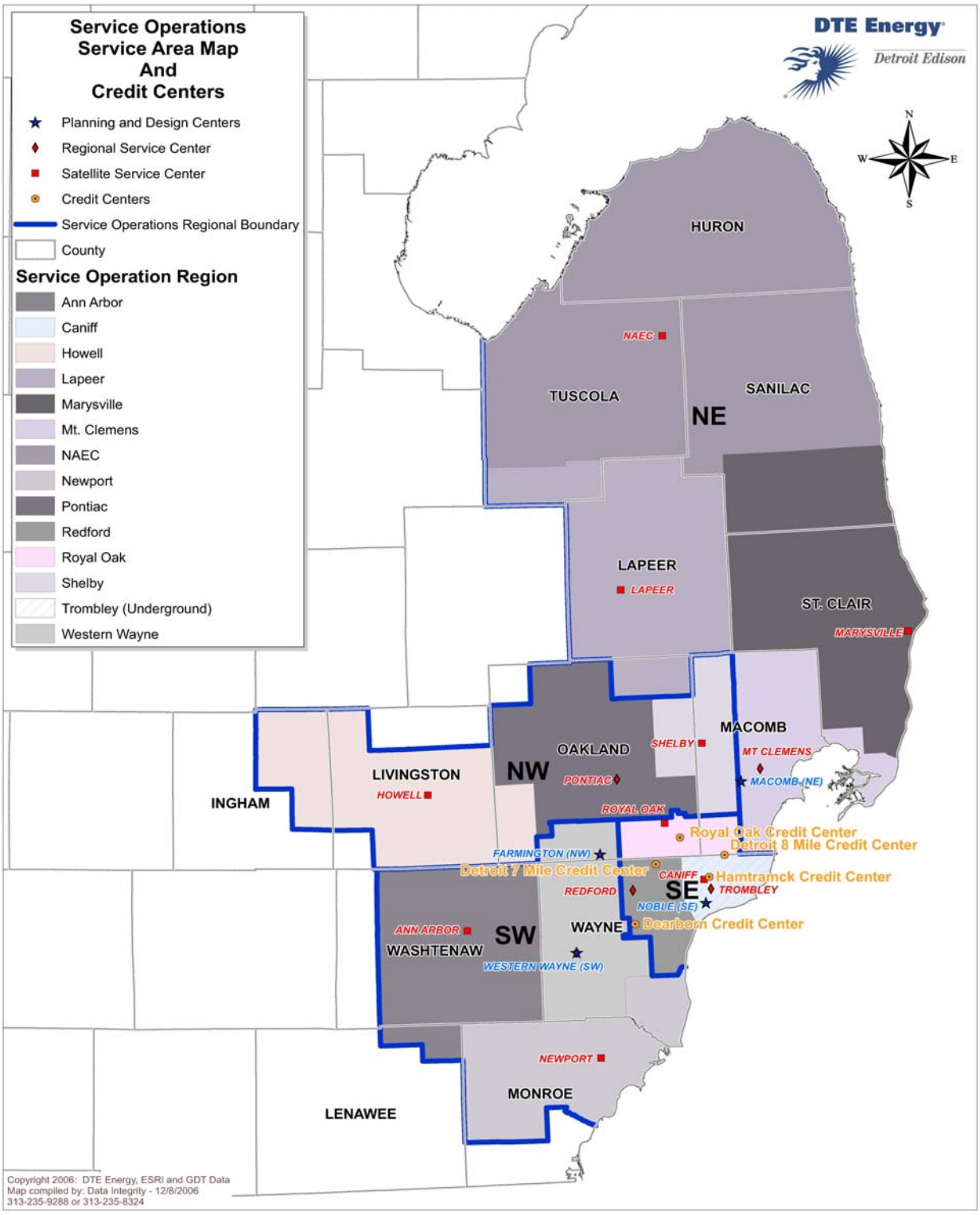
First Revised Sheet No. E-21.00	January 14, 2009
Original Sheet No. E-22.00	October 10, 2007
Original Sheet No. E-23.00	October 10, 2007
First Revised Sheet No. F-1.00	October 10, 2007



Michigan Public Service Commission

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SCHEDULE OF RATES
GOVERNING THE SALE OF ELECTRIC SERVICE

This rate schedule applies to the entire area served by the Company. A map of the service area is shown on Sheet No. A-18.00. A list of cities, counties, villages and townships served is included herewith, beginning on Sheet No. A-20.00

REGION AND COUNTY AREA SERVED

Region	Service Centers	County
Southeast	Caniff S.C. Redford S.C. Royal Oak S.C.	
Northwest	Pontiac S.C.	Oakland
	Shelby S.C. Howell S.C.	Macomb Oakland
Northeast	Lapeer S.C.	Lapeer Oakland Tuscola
	Marysville S.C.	Sanilac St. Clair
	Mt. Clemens S.C.	Macomb St. Clair
	North Area Energy Center	Huron Sanilac Tuscola
Southwest	Ann Arbor S.C.	Lenawee Washtenaw
	Newport S.C.	Monroe Wayne
	Western Wayne S.C.	Wayne

LIST OF CITIES SERVED
BY THE DETROIT EDISON COMPANY

CITY OF	COUNTY OF	CITY OF	COUNTY OF
Algonac	St. Clair	Harbor Beach	Huron
Allen Park	Wayne	Harper Woods	Wayne
Ann Arbor	Washtenaw	Hazel Park	Oakland
Auburn Hills	Oakland	Highland Park	Wayne
Bad Axe	Huron	Howell	Livingston
Belleville	Wayne	Huntington Woods	Oakland
Berkley	Oakland	Imlay City	Lapeer
Birmingham	Oakland	Inkster	Wayne
Bloomfield Hills	Oakland	Keego Harbor	Oakland
Brighton	Livingston	Lapeer	Lapeer
Brown City	Sanilac	Lathrup Village	Oakland
Center Line	Macomb	Lincoln Park	Wayne
Clawson	Oakland	Livonia	Wayne
Dearborn	Wayne	Madison Heights	Oakland
Dearborn Heights	Wayne	Marine City	St. Clair
Detroit	Wayne	Marysville	St. Clair
East Detroit	Macomb	Melvindale	Wayne
Ecorse	Wayne	Memphis	Macomb & St. Clair
Farmington	Oakland	Milan	Washtenaw & Monroe
Farmington Hills	Oakland	Monroe	Monroe
Ferndale	Oakland	Mt. Clemens	Macomb
Flat Rock	Wayne	New Baltimore	Macomb & St. Clair
Fraser	Macomb	Northville	Wayne
Garden City	Wayne	Novi	Oakland
Gibraltar	Wayne	Oak Park	Oakland
Grosse Pointe	Wayne	Orchard Lake	Oakland
Grosse Pointe Farms	Wayne	Petersburg	Monroe
Grosse Pointe Park	Wayne	Pleasant Ridge	Oakland
Grosse Pointe Woods	Wayne	Plymouth	Wayne
Hamtramck	Wayne	Pontiac	Oakland

(Continued on Sheet No. A-21.00)

(Continued from Sheet No. A-20.00)

LIST OF CITIES SERVED (Contd.)

CITY OF	COUNTY OF	CITY OF	COUNTY OF
Port Huron	St. Clair	Sterling Heights	Macomb
Richmond	Macomb	Sylvan Lake	Oakland
River Rouge	Wayne	Taylor	Wayne
Riverview	Wayne	Trenton	Wayne
Rochester	Oakland	Troy	Oakland
Rochester Hills	Oakland	Utica	Macomb
Rockwood	Wayne	Vassar	Tuscola
Romulus	Wayne	Walled Lake	Oakland
Roseville	Macomb	Warren	Macomb
Royal Oak	Oakland	Wayne	Wayne
Saline	Washtenaw	Westland	Wayne
Sandusky	Sanilac	Williamston	Ingham
Southfield	Oakland	Wixom	Oakland
Southgate	Wayne	Woodhaven	Wayne
South Lyon	Oakland	Yale	St. Clair
St. Clair	St. Clair	Ypsilanti	Washtenaw
St. Clair Shores	Macomb		

In addition, the Company serves small areas in the city of Wyandotte.
A portion of the city of Pontiac is served by Consumers Energy Company.

LIST OF VILLAGES SERVED
BY THE DETROIT EDISON COMPANY

VILLAGE OF	COUNTY OF	VILLAGE OF	COUNTY OF
Akron	Tuscola	Lake Angelus	Oakland
Almont	Lapeer	Lake Orion	Oakland
Applegate	Sanilac	Leonard	Oakland
Armada	Macomb	Lexington	Sanilac
Barton Hills	Washtenaw	Marlette	Sanilac
Beverly Hills	Oakland	Maybee	Monroe
Bingham Farms	Oakland	Mayville	Tuscola
Capac	St. Clair	Melvin	Sanilac
Carleton	Monroe	Metamora	Lapeer
Caro	Tuscola	Milford	Oakland
Carsonville	Sanilac	Millington	Tuscola
Caseville	Huron	Minden City	Sanilac
Cass City	Tuscola	New Haven	Macomb
Clarkston	Oakland	North Branch	Lapeer
Clifford	Lapeer	Ortonville	Oakland
Columbiaville	Lapeer	Otter Lake	Lapeer
Deckerville	Sanilac	Owendale	Huron
Dexter	Washtenaw	Oxford	Oakland
Dryden	Lapeer	Peck	Sanilac
Dundee	Monroe	Pigeon	Huron
Elkton	Huron	Pinckney	Livingston
Emmett	St. Clair	Port Austin	Huron
Estral Beach	Monroe	Port Hope	Huron
Fairgrove	Tuscola	Port Sanilac	Sanilac
Forestville	Sanilac	Reese	Tuscola
Fowlerville	Livingston	Romeo	Macomb
Franklin	Oakland	South Rockwood	Monroe
Gagetown	Tuscola	Ubly	Huron
Grosse Pointe Shores	Wayne & Macomb	Unionville	Tuscola
Kinde	Huron	Webberville	Ingham
Kingston	Tuscola	Wolverine Lake	Oakland

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LIST OF TOWNSHIPS SERVED
BY THE DETROIT EDISON COMPANY

TOWNSHIP OF	COUNTY OF	TOWNSHIP OF	COUNTY OF
Addison	Oakland	Chesterfield	Macomb
Akron	Tuscola	China	St. Clair
Almer	Tuscola	Clay	St. Clair
lmont	Lapeer	Clinton	Lenawee
Ann Arbor	Washtenaw	Clinton	Macomb
Arbela	Tuscola	Clyde	St. Clair
Arcadia	Lapeer	Colfax	Huron
Argyle	Sanilac	Columbia	Tuscola
Armada	Macomb	Columbus	St. Clair
Ash	Monroe	Commerce	Oakland
Attica	Lapeer	Conway	Livingston
Augusta	Washtenaw	Cottrelville	St. Clair
Austin	Sanilac	Custer	Sanilac
Berlin	Monroe	Dayton	Tuscola
Berlin	St. Clair	Deerfield	Lapeer
Bingham	Huron	Delaware	Sanilac
Bloomfield	Huron	Denmark	Tuscola
Bloomfield	Oakland	Dexter	Washtenaw
Brandon	Oakland	Dryden	Lapeer
Bridgehampton	Sanilac	Dundee	Monroe
Bridgewater	Washtenaw	Dwight	Huron
Brighton	Livingston	East China	St. Clair
Brockway	St. Clair	Elba	Lapeer
Brookfield	Huron	Elk	Sanilac
Brownstone	Wayne	Elkland	Tuscola
Bruce	Macomb	Ellington	Tuscola
Buel	Sanilac	Elmer	Sanilac
Burlington	Lapeer	Elmwood	Tuscola
Burnside	Lapeer	Emmett	St. Clair
Burtchville	St. Clair	Evergreen	Sanilac
Canton	Wayne	Exeter	Monroe
Casco	St. Clair	Fair Haven	Huron
Caseville	Huron	Fairgrove	Tuscola
Chandler	Huron	Flynn	Sanilac

(Continued on Sheet No. A-24.00)

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(Continued from Sheet No. A-23.00)

LIST OF TOWNSHIPS SERVED (Contd)

TOWNSHIP OF	COUNTY OF	TOWNSHIP OF	COUNTY OF
Forester	Sanilac	Kingston	Tuscola
Fort Gratiot	St. Clair	Koylton	Tuscola
Fremont	Sanilac	Lake	Huron
Fremont	Tuscola	Lake	Macomb
Frenchtown	Monroe	Lamotte	Sanilac
Genoa	Livingston	Lapeer	Lapeer
Gilford	Tuscola	Lenox	Macomb
Goodland	Lapeer	Leroy	Ingham
Gore	Huron	Lexington	Sanilac
Grant	St. Clair	Lima	Washtenaw
Grant	Huron	Lincoln	Huron
Green Oak	Livingston	Locke	Ingham
Greenleaf	Sanilac	Lodi	Washtenaw
Greenwood	St. Clair	London	Monroe
Grosse Isle	Wayne	Lynn	St. Clair
Groveland	Oakland	Lyon	Oakland
Hadley	Lapeer	Macomb	Macomb
Hamburg	Livingston	Macon	Lenawee
Handy	Livingston	Maple Valley	Sanilac
Harrison	Macomb	Marathon	Lapeer
Hartland	Livingston	Marion	Livingston
Highland	Oakland	Marion	Sanilac
Howell	Livingston	Marlette	Sanilac
Hume	Huron	Mayfield	Lapeer
Huron	Huron	McKinley	Huron
Huron	Wayne	Meade	Huron
Ida	Monroe	Metamora	Lapeer
Imlay	Lapeer	Milan	Monroe
Independence	Oakland	Milford	Oakland
Indianfields	Tuscola	Millington	Tuscola
Iosco	Livingston	Minden	Sanilac
Ira	St. Clair	Monroe	Monroe
Juniata	Tuscola	Moore	Sanilac
Kenockee	St. Clair	Mussey	St. Clair
Kimball	St. Clair	North Branch	Lapeer

(Continued on Sheet No. A-25.00)

(Continued from Sheet No. A-24.00)

LIST OF TOWNSHIPS SERVED (Contd)

TOWNSHIP OF	COUNTY OF	TOWNSHIP OF	COUNTY OF
Northfield	Washtenaw	Sherman	Huron
Northville	Wayne	Sigel	Huron
Novesta	Tuscola	Southfield	Oakland
Novi	Oakland	Speaker	Sanilac
Oakland	Oakland	Springfield	Oakland
Oceola	Livingston	St. Clair	St. Clair
Oliver	Huron	Summerfield	Monroe
Oregon	Lapeer	Sumpter	Wayne
Orion	Oakland	Superior	Washtenaw
Oxford	Oakland	Tuscola	Tuscola
Paris	Huron	Van Buren	Wayne
Pittsfield	Washtenaw	Vassar	Tuscola
Plymouth	Wayne	Verona	Tuscola
Pointe Aux Barques	Huron	Wales	St. Clair
Port Austin	Huron	Washington	Macomb
Port Huron	St. Clair	Washington	Sanilac
Putnam	Livingston	Waterford	Oakland
Raisinville	Monroe	Watertown	Sanilac
Ray	Macomb	Watertown	Tuscola
Redford	Wayne	Webster	Washtenaw
Rich	Lapeer	Wells	Tuscola
Richmond	Macomb	West Bloomfield	Oakland
Riley	St. Clair	Wheatfield	Ingham
Rose	Oakland	Wheatland	Sanilac
Royal Oak	Oakland	White Lake	Oakland
Rubicon	Huron	White Oak	Ingham
Salem	Washtenaw	Whiteford	Monroe
Saline	Washtenaw	Williamstown	Ingham
Sand Beach	Huron	Winsor	Huron
Sanilac	Sanilac	Wisner	Tuscola
Scio	Washtenaw	Worth	Sanilac
Sebewaing	Huron	York	Washtenaw
Shelby	Macomb	Ypsilanti	Washtenaw
Sheridan	Huron		

Issued July 14, 2008
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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LIST OF COUNTIES SERVED BY THE DETROIT EDISON COMPANY

COUNTY	TOTAL NUMBER OF TOWNSHIPS	NUMBER OF TOWNSHIPS SERVED
Huron	28	28
Ingham	16	5
Lapeer	18	18
Lenawee	22	2
Livingston	16	12
Macomb	12	12
Monroe	14	9
Oakland	23	22
St. Clair	21	21
Sanilac	26	26
Tuscola	23	23
Washtenaw	20	16
Wayne	10	10
Total	**249**	**204**

TECHNICAL TERMS AND ABBREVIATIONS
(FOR ALL CUSTOMERS)

A1. The definitions of the following technical terms and abbreviations are applicable to the Company's Electric Rate Book and are not contained in the other Sections thereof:

A1. 1 For All Utilities

(A) **Commission** means the Michigan public service commission.

(B) **Effective Date** means the date when the tariff sheet must be followed.

(C) **Issue Date** means the date the Company files a tariff sheet with the Commission.

(D) **Rate Book** means the complete set of Company filings submitted in accordance with the "Filing Procedures for Electric, Wastewater, Steam and Gas Utilities".

(E) **Rate Schedule** or "Rider" means the rate or charge for a particular classification of service, including all special terms and conditions under which that service is furnished at the prescribed rate or charge .

(F) **Rate Sheet** or **Tariff Sheet** means any of the documents filed in accordance with "Filing Procedures for Electric, Wastewater, Steam and Gas Utilities".

(G) **Rules and Regulations** means the rules, regulations, practices, classifications, exceptions, and conditions that the Company must observe when providing service.

(H) **Standard Customer Forms Index** means a listing showing the number, title, and revision date for all standard forms, in any format (preprinted or electronically preformatted) that the Company uses to document contracts or other agreements that create or alter a customer's rights or responsibilities in dealings with the Company . Standard customer forms require a customer signature or are specifically referenced within the Rate Book for execution between the Company and customers.

(Continued on Sheet No. A-28.00)

(Continued from Sheet No. A-27.00)

TECHNICAL TERMS AND ABBREVIATIONS (Contd.)
(FOR ALL CUSTOMERS)

A1.2 Company

(A) **Ampere (A) -** The unit of measurement of electric current.

(B) **British Thermal Unit (Btu) -** A measurement of heat commonly used to measure the heat content of fuel, equivalent to the amount of heat required to raise the temperature of one pound of water one degree Fahrenheit.

(C) **Hertz -** Cycle per second.

(D) **Kilovoltampere (kVA) -** The product of volts and amperes, divided by one thousand.

(E) **Kilowatt (kW) -** A unit of electrical power equal to 1,000 watts, equivalent to about 1-1/3 horsepower.

(F) **Kilowatthour (kWh) -** A unit of electrical energy equivalent to the quantity of electrical energy consumed by a 100 watt lamp burning ten hours.

(G) **Lumen -** Unit of output of a light source.

(H) **Maximum Demand or Demand -** The highest quantity of electrical power required, as measured in kilowatts and metered by a demand indicator.

(I) **On-Peak Period -** Daily periods when the demand on the Company's generating system is usually the highest.

(J) **Off-Peak Period -** Daily periods when the demand on the Company's generating system is usually the lowest.

(K) **Power Factor -** The ratio of watts to the product of volts and amperes.

(L) **Primary Lateral Extension -** Distribution line extension from a distribution line or extension and is normally constructed on the customer's property to provide service to a specific premise.

(M) **Primary Voltage -** Nominal voltages of more than 2,400 volts.

(N) **Secondary Voltage -** Nominal voltages of less than 600 volts.

(O) **Volt (V) -** A unit of electrical force.

(P) **Watt (W) -** The electrical unit of power or rate of doing work.

SECTION B

ADMINISTRATIVE RULES INDEX

B1. TECHNICAL STANDARDS FOR ELECTRIC SERVICE (R 460.3101 - R 460.3804) (FOR ALL CUSTOMERS)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/108_11_AdminCode.pdf

PART 1. GENERAL PROVISIONS

R 460.3101 Applicability; purpose; modification; adoption of rules and regulations by utility.
R 460.3102 Definitions.
R 460.3103 Rescission.

PART 2. RECORDS AND REPORTS

R 460.3201 Records; location; examination.
R 460.3202 Records; preservation.
R 460.3203 Documents and information; required submission.
R 460.3204 Customer records; retention period; content.

PART 3. METER REQUIREMENTS

R 460.3301 Metered measurement of electricity required; exceptions.
R 460.3303 Meter reading data.
R 460.3304 Meter data collection system.
R 460.3305 Meter multiplier.
R 460.3308 Standards of good practice; adoption by reference.
R 460.3309 Metering inaccuracies; billing adjustments.

PART 4. CUSTOMER RELATIONS

R 460.3408 Temporary service; cost of installing and removing equipment owned by utility.
R 460.3409 Protection of utility-owned equipment on customer's premises.
R 460.3410 Extension of facilities plan.
R 460.3411 Extension of electric service in areas served by two or more utilities.

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(Continued from Sheet No. B-1.00)

B1. TECHNICAL STANDARDS FOR ELECTRIC SERVICE (R 460.3101 - R 460.3804) (FOR ALL CUSTOMERS) (CONTD)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/108_11_AdminCode.pdf

PART 5. ENGINEERING

R 460.3501 Electric plant; construction, installation, maintenance and operation pursuant to good engineering practice required.
R 460.3502 Standards of good practice; adoption by reference.
R 460.3503 Utility plant capacity.
R 460.3504 Electric plant inspection program.
R.460.3505 Utility line clearance program.

PART 6. METERING EQUIPMENT INSPECTIONS AND TESTS

R 460.3601 Customer-requested meter tests.
R 460.3602 Meter and associated device inspections and tests; certification of accuracy.
R 460.3603 Meters with transformers; post-installation inspection; exception.
R 460.3604 Meters and associated devices; removal tests.
R 460.3605 Metering electrical quantities.
R 460.3606 Nondirect reading meters and meters operating from instrument transformers; marking of multiplier on instruments; marking of charts and magnetic tapes; marking of register ratio on meter registers; watthour constants.
R 460.3607 Watthour meter requirements.
R 460.3608 Demand meters, registers, and attachments; requirements.
R 460.3609 Instrument transformers used in conjunction with metering equipment; requirements; phase shifting transformers; secondary voltage.
R 460.3610 Portable indicating voltmeters; accuracy.
R 460.3611 Meter testing equipment; availability; provision and use of primary standards.
R 460.3612 Test standards; accuracy.
R 460.3613 Metering equipment testing requirements.
R 460.3614 Standards check by the Commission.
R 460.3615 Metering equipment records.
R 460.3616 Average meter error; determination.
R 460.3617 Reports to be filed with the Commission.
R 460.3618 Generating and interchange station meter tests; schedule; accuracy limits.

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(Continued from Sheet No. B-2.00)

B1. TECHNICAL STANDARDS FOR ELECTRIC SERVICE (R 460.3101 - R 460.3804) (FOR ALL CUSTOMERS) (CONTD)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/108_11_AdminCode.pdf

PART 7. STANDARDS OF QUALITY OF SERVICES

R 460.3701 Alternating current systems; standard frequency.
R 460.3702 Standard nominal service voltage; limits; exceptions.
R 460.3703 Voltage measurements and records.
R 460.3704 Voltage measurements; required equipment; periodic checks; certificate or calibration card for standards.
R 460.3705 Interruptions of service; records; planned interruption; notice to Commission.

PART 8. SAFETY

R 460.3801 Protective measures.
R 460.3802 Safety program.
R 460.3803 Energizing services.
R 460.3804 Accidents; notice to Commission.

B2. CONSUMER STANDARDS AND BILLING PRACTICES FOR ELECTRIC AND GAS RESIDENTIAL SERVICE (R 460.101 - R 460.169)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/107_92_AdminCode.pdf

PART 1. GENERAL PROVISIONS

R 460.101 Application of rules.
R 460.102 Definitions.
R 460.103 Discrimination prohibited.
R 460.104 Conduct of proceedings.
R 460.105 Additional rules.

PART 2. APPLICATION FOR SERVICE

R 460.106 Service requests for new or previous customers.
R 460.107 Applicant information.

PART 3. DEPOSITS AND GUARANTEE TERMS AND CONDITIONS

R 460.108 Prohibited practices.
R 460.109 Deposit for new customer.
R 460.110 Deposit for a previous customer or for continued service.
R 460.111 General deposit conditions.
R 460.112 Guarantee terms and conditions.

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B2. CONSUMER STANDARDS AND BILLING PRACTICES FOR ELECTRIC AND GAS RESIDENTIAL SERVICE (R 460.101 - R 460.169) (CONTD)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/107_92_AdminCode.pdf

PART 4. METER READING PROCEDURES, METER ACCURACY, METER ERRORS AND RELOCATION

R 460.113 Actual and estimated meter reading.
R 460.114 Company representative identification.
R 460.115 Customer meter reading.
R 460.116 Meter accuracy, meter errors, meter relocation.

PART 5. BILLING AND PAYMENT STANDARDS

R 460.117 Billing frequency; method of delivery.

Also refer to the Company's approved Rule C4.5., Billing Frequency.

R 460.118 Equal monthly billing.
R 460.119 Cycle billing.
R 460.120 Payment of bill.

Also refer to the Company's approved Rule C4.7.

R 460.121 Payment period.
R 460.122 Allowable charges.
R 460.123 Bill information.
R 460.124 Separate bills.
R 460.125 Billing for non-tariff services.
R 460.126 Billing error.

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B2. CONSUMER STANDARDS AND BILLING PRACTICES FOR ELECTRIC AND GAS RESIDENTIAL SERVICE (R 460.101 - R 460.169) (CONTD)
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PART 6. VOLUNTARY TERMINATION OF SERVICE

R 460.127 Voluntary termination.

PART 7. UTILITY PROCEDURES

R 460.128 Applicability.
R 460.129 Complaint procedures.
R 460.130 Personnel procedures.
R 460.131 Publication of procedures.
R 460.132 Access to rules and rates.

Also refer to the Company's approved Rule C4.4 Choice of Rates.

R 460.133 Reporting requirements.
R 460.134 Inspection.
R 460.135 Customer access to consumption data.

PART 8. PROCEDURES FOR SHUTOFF AND RESTORATION OF SERVICE

R 460.136 Emergency shutoff.
R 460.137 Shutoff permitted.

Also refer to the Company's approved Rule C5.4 Access to Customer's Premises.

R 460.138 Notice of shutoff.
R 460.139 Form of notice.
R 460.140 Time of shutoff.
R 460.141 Manner of shutoff.
R 460.142 Manner of shutoff for service provided with remote shutoff and restoration capability.
R 460.143 Shutoff prohibited.
R 460.144 Restoration of service.

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B2. CONSUMER STANDARDS AND BILLING PRACTICES FOR ELECTRIC AND GAS RESIDENTIAL SERVICE (R 460.101 - R 460.169) (CONTD)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/107_92_AdminCode.pdf

PART 9. ENERGY ASSISTANCE AND SHUTOFF PROTECTION PROGRAMS

R 460.145 Listing of energy assistance programs.
R 460.146 Notice of energy assistance programs.
R 460.147 Medical emergency.
R 460.148 Winter protection plan for low-income customers.
R 460.149 Winter protection plan for senior citizens.
R 460.150 Military protections.

PART 10. DISPUTED CLAIM, HEARING AND SETTLEMENT AGREEMENT

R 460.151 Disputed claim.
R 460.152 Utility hearing and hearing officers.
R 460.153 Notice of hearing.
R 460.154 Hearing procedures.
R 460.155 Settlement agreement.
R 460.156 Default of settlement agreement.
R 460.157 Same dispute.

PART 11. COMMISSION APPEAL PROCEDURES
R 460.158 Informal appeal.
R 460.159 Filing procedures.
R 460.160 Informal appeal procedures.
R 460.161 Interim determination.
R 460.162 Appeal review.
R 460.163 Shutoff pending decision.
R 460.164 Informal appeal decision.
R 460.165 Failure to comply with informal appeal decision.
R 460.166 Same dispute.
R 460.167 Formal appeal.
R 460.168 Other remedies.
R 460.169 Scope of rules.

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B3. UNCOLLECTIBLES ALLOWANCE RECOVERY FUND (R 460. 2601 - R 460.2625) (RESIDENTIAL CUSTOMERS)

http://www7.dleg.state.mi.us/orr/Files/AdminCode/108_09_AdminCode.pdf

PART 1. GENERAL PROVISIONS

R 460.2601 Application of rules.
R 460.2602 Definitions.

PART 2. UNCOLLECTIBLES ALLOWANCE RECOVERY FUND

R 460.2621 Uncollectibles allowance recovery fund.
R 460.2622 Annual deposits.
R 460.2623 Notice of deposit.
R 460.2624 Disputes; procedure for resolution.
R 460.2625 Disbursement of funds.

B4. BILLING PRACTICES APPLICABLE TO NON-RESIDENTIAL ELECTRIC AND GAS CUSTOMERS (R 460.1601 - R 460.1640)

http://www7.dleg.state.mi.us/orr/Files/AdminCode/108_03_AdminCode.pdf

PART 1. GENERAL PROVISIONS

R 460.1601 Applicability; purpose.
R 460.1602 Definitions
R 460.1603 Discrimination prohibited.
R 460.1604 Form of proceedings.
R 460.1605 Additional rules.

PART 2. APPLICATION FOR SERVICE

R 460.1606 Application for new service.

PART 3. GENERAL CUSTOMER DEPOSIT CONDITIONS

R 460.1607 Customer deposits.

PART 4. METER READING, ESTIMATED BILLS, BILLING ADJUSTMENTS, VOLUNTARY TERMINATION, AND METER RELOCATION

R 460.1608 Meter reading interval and estimated bills.
R 460.1609 Metering inaccuracies; billing adjustments.
R 460.1610 Voluntary termination.
R 460.1611 Meter or facilities relocation charge.

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B4. BILLING PRACTICES APPLICABLE TO NON-RESIDENTIAL ELECTRIC AND GAS CUSTOMERS (R 460.1601 - R 460.1640) (CONTD)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/108_03_AdminCode.pdf

PART 5. BILLING AND PAYMENTS

R 460.1612 Cycle billing.
R 460.1613 Billing information.
R 460.1614 Discounts and late payment charges.
R 460.1615 Delivery and payment of bills.
R 460.1616 Billing for unregulated service.
R 460.1617 Billing errors.

PART 6. CUSTOMER RELATIONS ANDA UTILITY PROCEDURES

R 460.1618 Selection of rate, customer information, and service.
R 460.1619 Inspection.
R 460.1620 Customer access to consumption data.
R 460.1621 Servicing utility equipment on customer's premises.
R 460.1622 Customer complaints; investigation; records.
R 460.1623 Records and reports.

PART 7. SHUTOFFS AND RESTORATION

R 460.1624 Notice of shutoff.
R 460.1625 Denial or shutoff of service to customers.
R 460.1626 Manner of shutoff for service provided with remote shutoff and restoration capability

PART 8. DISPUTED CLAIMS, HEARINGS AND SETTLEMENT AGREEMENTS

R 460.1628 Disputed Claim
R 460.1629 Settlement Agreement
R 460.1630 Default of settlement agreement
R 460.1631 Informal hearing and hearing officers.
R 460.1632 Notice of hearing.
R 460.1633 Hearing procedures.
R 460.1634 Informal appeal procedures.
R 460.1635 Interim determination.
R 460.1636 Appeal review.
R 460.1637 Shutoff pending decision
R 460.1638 Informal appeal decision.
R 460.1639 Failure to comply with informal appeal decision.
R 460.1640 Scope of rules.

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B5. UNDERGROUND ELECTRIC LINES (R 460.511 - R 460.519)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/107_96_AdminCode.pdf

Refer to the Company's approved Rules in Sections C6.3 and C6.4.

R 460.511 Payment of difference in costs.
R 460.512 Extensions of residential distribution and service lines in the lower peninsula mainland.
R 460.513 Extensions of commercial and industrial lines in lower peninsula mainland.
R 460.514 Costs in case of special conditions.
R 460.515 Extensions of lines in other areas of state.
R 460.516 Replacement of existing overhead lines.
R 460.517 Underground facilities for convenience of utilities or where required by ordinances.
R 460.518 Exceptions.
R 460.519 Effective dates.

B6. ELECTRICAL SUPPLY AND COMMUNICATION LINES AND ASSOCIATED EQUIPMENT (R 460.811 - R 460.814)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/1029_2012-024LR_AdminCode.pdf

R 460.811 Definitions.
R 460.812 Purpose.
R 460.813 Standards of good practice; adoption by reference.
R 460.814 Exemption from rules; application to Commission; public hearing.

B7. RULES AND REGULATIONS GOVERNING ANIMAL CONTACT CURRENT MITIGATION (STRAY VOLTAGE) (R 460.2701 - R 460.2707)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/108_10_AdminCode.pdf

R 460.2701 Definitions.
R 460.2702 Measuring animal contact voltage.
R 460.2703 Action required to mitigate animal contact current.
R 460.2704 Request for investigation.
R 460.2705 Appointment of experts.
R 460.2706 Request for a contested case hearing.
R 460.2707 Protocol to evaluate utility contribution to animal contact current.

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B8. ELECTRIC INTERCONNECTION AND NET METERING STANDARDS (R 460.601a - R 460.656)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/107_97_AdminCode.pdf

PART 1.	**GENERAL PROVISIONS**
R 460.601a	**Definitions; A-I**
R 460.601b	**Definitions; J-Z.**
R 460.602	**Adoption of standards by reference.**
R 460.604	**Prohibited practices.**
R 460.606	**Designated points of contact.**
R 460.608	**Alternative dispute resolution.**
R 460.610	**Appointment of experts.**
R 460.612	**Waivers.**
PART 2.	**INTERCONNECTION STANDARDS**
R 460.615	**Electric utility interconnection procedures.**
R 460.618	**Interconnection fees.**
R 460.620	**Application and interconnection process.**
R 460.622	**Modifications to project.**
R 460.624	**Insurance.**
R 460.626	**Disconnection.**
R 460.628	**Easements and rights-of-way.**
R 460.640	**Application process.**
R 460.642	**Net metering application and fees.**
R 460.644	**Net metering program size.**
R 460.646	**Generation and net metering equipment.**
R 460.648	**Meters.**
R 460.650	**Billing and credit for true net metering customers.**
R 460.652	**Billing and credit for modified net metering customers.**
R 460.654	**Renewable energy credits.**
R 460.656	**Penalties**

B9. SERVICE QUALITY AND RELIABILITY STANDARDS FOR ELECTRIC DISTRIBUTION SYSTEMS (R 460.701 - R 460.752)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/107_98_AdminCode.pdf

PART 1.	**GENERAL PROVISIONS**
R 460.701	**Application of rules.**
R 460.702	**Definitions.**
R 460.703	**Revision of tariff provisions.**
PART 2.	**UNACCEPTABLE LEVELS OF PERFORMANCE**
R 460.721	**Duty to plan to avoid unacceptable levels of performance.**
R 460.722	**Unacceptable levels of performance during service interruptions.**
R 460.723	**Wire down relief requests.**
R 460.724	**Unacceptable service quality levels of performance.**
PART 3.	**RECORDS AND REPORTS**
R 460.731	**Deadline for filing annual reports.**
R 460.732	**Annual report contents.**
R 460.733	**Availability of records.**
R 460.734	**Retention of records.**

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B9. SERVICE QUALITY AND RELIABILITY STANDARDS FOR ELECTRIC DISTRIBUTION SYSTEMS (R 460.701 - R 460.752) (CONTD)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/107_98_AdminCode.pdf

PART 4. FINANCIAL INCENTIVES AND PENALTIES

R 460.741 Approval of incentives by the Commission.
R 460.742 Criteria for receipt of an incentive.
R 460.743 Disqualification.
R 460.744 Penalty for failure to restore service after an interruption due to catastrophic conditions.
R 460.745 Penalty for failure to restore service during normal conditions.
R 460.746 Penalty for repetitive interruptions of the same circuit.
R 460.747 Multiple billing credits allowed.
R 460.748 Effect in other proceedings.

PART 5. WAIVERS AND EXCEPTIONS

R 460.751 Waivers and exceptions by electric utilities.
R 460.752 Proceedings for waivers and exceptions.

ADDITIONAL ADMINISTRATIVE RULES

Waivers may have been granted by the Commission to the Company for certain portions of the administrative rules below.

B10. PRACTICE AND PROCEDURE BEFORE THE COMMISSION (R 460.17101 - R 460.17701)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/934_2009-046LR_AdminCode.pdf

B11. FILING PROCEDURES FOR ELECTRIC, WASTEWATER, STEAM AND GAS UTILITIES (R 460.2011 - R 460.2031)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/108_04_AdminCode.pdf

B12. RESIDENTIAL CONSERVATION PROGRAM STANDARDS (R 460.2401 - R 460.2414)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/108_07_AdminCode.pdf

B13. PRESERVATION OF RECORDS OF ELECTRIC, GAS AND WATER UTILITIES (R 460.2501 - R 460.2582)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/836_10802_AdminCode.pdf

B14. UNIFORM SYSTEM OF ACCOUNTS FOR MAJOR AND NONMAJOR ELECTRIC UTILITIES (R 460.9001)
http://www7.dleg.state.mi.us/orr/Files/AdminCode/108_12_AdminCode.pdf

B15. RATE CASE FILING REQUIREMENTS FOR MAJOR ELECTRIC UTILITIES
http://www.cis.state.mi.us/mpsc/orders/archive/pdfs/U-4771_05-10-1976.PDF

SECTION C - PART I
COMPANY RULES AND REGULATIONS

C1 CHARACTERISTICS OF SERVICE

C1.1 Character of Service

The Company furnishes alternating current service at a nominal frequency of 60 hertz, and at 120/240 volts which is suitable for lighting and small single-phase power uses. In certain city districts, alternating current is supplied from a Y connected secondary network at 208Y/120 volts.

For three-phase General Service installations, the Company will provide 208Y/120 volt, three-phase four-wire service. The Company may at its option provide 240/120 volt, three-phase four-wire Delta connected service or 480Y/277 volt, three-phase four-wire Y connected service for the customer's entire requirements. Where service is supplied at 480Y/277 volts, the customer must furnish any transformation for the supply of his 120/240 volt requirements.

For primary (high voltage) service, the Company offers alternating current service at nominal 4,800, 13,200, 24,000, 41,570 or 120,000 volts, as available, at the option of the Company. Customers must provide their own switchgear and necessary transformation equipment and the installation must be compatible with the Company's system. The operation and maintenance of this switchgear and equipment shall be the responsibility of the customer.

Before purchasing equipment or installing wiring, the customer should secure from the Company the characteristics of electric service available.

C1.2 Continuity of Service

The Company agrees to furnish continuous and adequate service subject to interruption by agreement, or upon advance notice or by accident or other causes not under the reasonable control of the Company, and except where limitations or hours for controlled service are shown in the Schedule of Rates. The Company will not be liable for damages caused by an interruption of service, voltage or frequency variations, single-phase supply to three-phase lines, reversal of phase rotation, or carrier-current frequencies imposed by the Company for system operations or equipment control except such as result from the failure of the Company to exercise reasonable care and skill in furnishing the service. Therefore, the customer should install suitable protective equipment if such occurrences might damage his apparatus.

NOTWITHSTANDING ANY OTHER PROVISION OF THESE RULES, THE COMPANY MAY INTERRUPT, CURTAIL, OR SUSPEND ELECTRIC SERVICE TO ALL OR SOME OF ITS CUSTOMERS BY STATUTE OR IN ACCORDANCE WITH THE PROVISIONS OF THE ORDER APPROVED BY THE MICHIGAN PUBLIC SERVICE COMMISSION ON MAY 23, 1975, AND AS AMENDED ON DECEMBER 11, 1979, IN CASE NO. U-4128, OR SUBSEQUENT ORDERS, AND THE COMPANY SHALL BE UNDER NO LIABILITY WITH RESPECT TO ANY SUCH INTERRUPTION, CURTAILMENT, OR SUSPENSION.

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(Continued from Sheet No. C-1.00)

C1 CHARACTERISTICS OF SERVICE (Contd)

C1.3 Franchise Provisions

The Company is furnishing electric service under franchises granted to it or its predecessors or assignors by various municipalities and townships in which it is doing business. These franchises provide that the rates and charges for electric service shall not exceed its rates and charges for like service elsewhere in its service area, evidenced by its uniform rate schedules at the time on file with and approved by the Michigan Public Service Commission.

The Company is also exercising all such rights, privileges and franchises as it and its predecessors and assignors have or are entitled to under the statutes of the State of Michigan.

C2 CONTROLLED SERVICE (See Section C3)

C3 EMERGENCY ELECTRICAL PROCEDURES

C3.1 General

Emergency electrical procedures may be necessary if there is a shortage in the electrical energy supply to meet the demands of customers in the electrical service areas of Consumers Energy Company and The Detroit Edison Company (the "Consumers-Edison Area"). It is recognized that such deficiencies can be short-term (less than one week) or long-term (one week or more) in duration and, in view of the difference in the nature between short-term and long-term deficiencies, different and appropriate procedures shall be adopted for each.

Consumers Energy and Detroit Edison shall promptly advise the Commission of the nature, time and duration of all implemented emergency conditions and procedures which affect normal service to customers. The Commission may order the implementation of additional procedures or the termination of the procedures previously employed when circumstances so require.

A. The following health and safety customers given special consideration in these procedures shall be subject to curtailments under Sections 3(A)(6), (A)(9), (A)(11), (B)(2)(b), (B)(2)(e), (B)(2)(g), (C)(2)(b), (C)(3)(c) and (C)(4)(b) of up to a maximum of 15%, unless it can be demonstrated by the customer to the serving utility that such a curtailment would result in a discontinuation of essential services:

(1) Uses essential for the operation of any facility known to be necessary for the support of life, such as hospitals, kidney machines, iron lungs, and other life-support systems.

(2) Uses required for fire, police, prison, and custodial, and essential street and highway lighting services.

(Continued on Sheet No. C-3.00)

(Continued from Sheet No. C-2.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (Contd)

C3.1 General (Contd)

(3) Refrigeration for the storage and preservation of perishable food or medicine, when that is substantially all the customer's load.

(4) Operation, guidance control, and navigation services for public transportation and shipping, including rail, mass transit, licensed commercial air transportation, and other forms of transportation.

(5) Communication services, including telephone and telegraph systems, television and radio stations, newspapers and traffic control and signal systems.

(6) Water supply and sanitation services, including waterworks, pumping and sewage disposal activities which cannot be reduced without seriously affecting public health.

(7) Federal activities essential for national defense and state and local activities essential for providing emergency services.

(8) Uses necessary for the manufacture, directly or as a by-product, the transmission or the distribution of natural or manufactured gas or fuel.

(9) Uses necessary for the mining and transportation of coal.

(10) Uses necessary for the production, refining, transmission or distribution of oil and gas for fuel.

(11) Essential construction, operation, and maintenance activities for energy production and supply.

Although these types of customers will be given special consideration from the curtailment provisions of this plan, they should install emergency generation equipment if continuity of service is essential. All customers who, in their opinion, have critical equipment, should install emergency battery or portable generating equipment.

As may be appropriate in accordance with the nature of the occurring or anticipated emergency, Consumers Energy and Detroit Edison shall initiate the following procedures:

(Continued on Sheet No. C-4.00))

(Continued from Sheet No. C-3.00))

C3 EMERGENCY ELECTRICAL PROCEDURES (CONTD)

C3.2 Short-Term Capacity Shortages

A. Sudden or Unanticipated Short-Term Capacity Shortages in the Consumers-Edison Area.

In the event of a major power system disturbance which results in an area being seriously deficient in generation, this procedure sheds load to restore a load-generation balance.

There are two situations which require different procedures to respond to the system conditions:

(1) In the event of a sudden decline of the frequency on the system ***of the transmission service provider*** or a sudden breakup which isolates all or parts of the ***Company*** from other electric systems with which it is interconnected and which results in the area so isolated being deficient in electric generation, with consequent rapid decline in frequency:

(a) Automatic load shedding will take place if the decline in frequency is of a magnitude such as to jeopardize the ***Company's electric system.*** Ten percent of the area load will be shed automatically at a frequency of 59.3 hertz, followed by an additional fifteen percent of the area load at a frequency of 58.9 hertz as set forth in ECAR Document No. 3 dated October 31, 1968 and as subsequently revised.

(i) Automatic Service so interrupted shall be certain substations and lines serving customers throughout the ***Company's electric system.*** Such interruptions shall be, where practicable, for short periods of time.

(b) If necessary to resynchronize the isolated area or to curtail the decline in frequency, the following steps will be taken in the appropriate order:

(i) Service will be interrupted to controlled service loads and to loads serviced under interruptible tariffs and emergency load management tariff provisions.

(ii) Voltage will be reduced not more than six percent.

(iii) As a measure of last resort, manual load shedding of firm customer loads will be instituted as necessary to maintain the integrity of the system.

(Continued on Sheet No. C-5.00))

(Continued from Sheet No. C-4.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (CONTD)

C3.2 Short-Term Capacity Shortages (Contd)

(2) In the event of a sudden generation deficiency in an area which causes the interconnection loadings to exceed their emergency ratings, manual actions must be instituted immediately to achieve an acceptable load-generation balance.

(a) The following steps will be taken in the order appropriate to the situation:

(i) Service will be interrupted to controlled service loads and to loads served under interruptible tariffs and emergency load management tariff provisions.

(ii) Voltage will be reduced not more than six percent.

(iii) As a measure of last resort, manual load shedding of firm customer loads will be instituted as necessary to maintain the integrity of the system.

B. Anticipated or Predictable Short-Term Capacity Shortages in the Consumers-Edison Area.

When the daily projection indicates that the operating reserve requirement for the peak hour cannot be met, ***the Company*** shall advise the Commission Staff by telephone.

In the event an emergency condition of short-term duration is anticipated or predicted which cannot be relieved by sources of generation within or outside ***the Company's service area or which is a result of the inability of the transmission service provider to deliver an adequate supply of energy,*** the following steps will be taken at the appropriate time in the order appropriate to the situation.

(1) The internal demand of generating plants and other premises owned by ***the Company*** will be reduced to the largest extent consistent with the maintenance of service.

(2) Service will be interrupted to controlled service loads and to loads serviced under interruptible tariffs and emergency load management tariff provisions.

(Continued on Sheet No. C-6.00)

(Continued from Sheet No. C-5.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (CONTD)

C3.2 Short-Term Capacity Shortages (Contd)

(3) The public shall be advised through appropriate media sources of the implementation of these procedures when any of the subsequent steps are taken.

(4) Voltage will be reduced not more than six percent.

(5) Voluntary load reductions will be requested of large commercial and industrial customers with an electric demand of 500 kW (this will be reduced to 200 kW for utilities with less than $10,000,000 annual revenue who are firm customers of ***the Company***) or greater by procedures established in their respective short-term load management plans.

(6) Voluntary load reductions will be requested of all other customers through appropriate media appeals.

In the event the foregoing steps are insufficient to relieve an anticipated or predicted emergency condition of short-term duration, the following steps will be taken:

(7) All customers will be requested, through appropriate media sources to reduce load to the maximum extent possible during the hours of the anticipated shortage. Selected large industrial and commercial customers will be contacted directly.

(8) If time permits, the Governor will be requested to exercise any authority at his***/her*** disposal to alleviate the emergency condition.

(9) As a measure of last resort, manual load shedding of firm customer loads will be initiated as necessary to maintain the integrity of the system.

C3.3 Long-Term Capacity or Fuel Shortages

The following actions shall be implemented until it is determined by ***the Company*** that any or all actions may be terminated. The termination of conservation dispatch and the implementation and termination of any mandatory curtailment procedures shall be effected only after consultation with the MPSC Staff. For purposes of these procedures, a shortage of fuel used for peaking generation will be treated as a capacity shortage. The public shall be advised through appropriate media sources of the implementation of these procedures.

(Continued on Sheet No. C-7.00)

(Continued from Sheet No. C-6.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (CONTD)

C3.3 Long-Term Capacity or Fuel Shortages (Contd)

A. Long-Term Capacity Shortages in the Consumers-Edison Area.

If an emergency situation of long-term duration arises out of a long-term capacity shortage which cannot be relieved by sources of generation within or outside of the ***Company's service area***, the following actions shall be taken as necessary:

(1) Curtail use of energy during hours of capacity deficiency on premises controlled by ***the Company.***

(2) Curtail all non-firm outside sales of electricity by ***the Company*** during the hours of capacity deficiency.

(3) Initiate voluntary energy curtailment during hours of capacity deficiency of all customers by:

(a) Direct contact of customers with an electric demand of 500 kW (this will be reduced to 200 kW for utilities with less than $10,000,000 annual revenue who are firm customers of ***the Company***) or higher requesting them to implement their voluntary long-term electric load management plan.

(b) Requesting, through mass communication media, voluntary curtailment by all other customers.

(4) Implement available load management options to controlled service loads and to loads rendered service under interruptible rates in accordance with approved tariffs.

(5) Implement a comprehensive voluntary program with procedures designed to take specific measures at specific times in specific areas to curtail the electric demand of residential, commercial and industrial customers on an equitable basis during the period of capacity deficiency to achieve a 15% reduction in system demand.

(Continued on Sheet No. C-8.00)

(Continued from Sheet No. C-7.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (CONTD)

C3.3 Long-Term Capacity or Fuel Shortages (Contd)

(6) Implement procedures for mandatory curtailment of the electric demand of all non-residential customers who have a monthly energy use in excess of 75,000 kilowatthours, (this will be reduced to 30,000 kWh for utilities with less than $10,000,000 annual revenue who are firm customers of ***the Company***) to levels and at times specified by ***the Company***, such curtailment to be not more than 15% of the customer's "monthly base period demand." Monthly base period demand is defined as the customer's billing demand created during the corresponding monthly billing cycle of the twelve monthly billing periods immediately prior to December 31 of the calendar year immediately preceding the issuance of the order in this case, adjusted to reflect any changes in operating rate as computed in the formula in Appendix A hereto. The "monthly base period demand" will be updated every three (3) years. Upon application by the customer and agreement by the serving utility, a one-time adjustment of the monthly billing demand of the twelve monthly billing periods immediately prior to December 31 of the calendar year immediately preceding the issuance of the order in this case or an adjustment to the average demand of the prior three months (PQkW) will be made to correct any abnormalities of demand resulting from such things as strikes and breakdown of major equipment that may have occurred during the period in question. For customers connected or qualifying after December 31 of the calendar year immediately preceding the year defined as the base period, the base period demand will be negotiated between the customer and the serving utility, until such time as one calendar year of billing data at normal operation is available, at which time this will become the base period to be adjusted in accordance with the formula in Appendix A.

Upon prior arrangement and mutual agreement with the serving utility, customers may effect their electric demand reduction on a corporate basis within an individual utility's service area.

In the event the foregoing steps are insufficient, the following steps will be taken:

(7) The Governor will be requested to exercise any authority at his***/her*** disposal to alleviate the emergency situation.

(Continued on Sheet No. C-9.00)

(Continued from Sheet No. C-8.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (Contd)

C3.3 Long-Term Capacity or Fuel Shortages (Contd)

(8) Implement a comprehensive voluntary program with procedures designed to take specific measures at specific times in specific areas to curtail the electric demand of residential, commercial and industrial customers on an equitable basis during the period of capacity deficiency to achieve a 30% reduction in system demand.

(9) Implement procedures for mandatory curtailment of demand for customers covered in Section 3.3(6) to levels and at times specified by ***the Company***, such curtailment to be not more than 30% of such customer's respective monthly base period demand.

(10) Implement a comprehensive voluntary program with procedures designed to take specific measures at specific times in specific areas to curtail the electric demand of residential, commercial and industrial customers on an equitable basis during the period of capacity deficiency to achieve a 50% reduction in system demand.

(11) Implement procedures for mandatory curtailment of demand for customers covered in Section 3.3(6) to levels and at times specified by ***the Company***, such curtailment to be not more than 50% of such customer's respective monthly base period demand.

(12) As a measure of last resort, manual load shedding of firm customer loads will be initiated as necessary to maintain the integrity of the system.

Voltage may be reduced up to six percent if at any time it is deemed appropriate by ***the Company*** to maintain the integrity of the system.

B. Long-Term Fuel Shortages (Other Than Coal):

In the event of an anticipated long-term fuel shortage, the utility shall estimate each day anticipated kilowatthour requirements for the subsequent 45 and 30 day periods. Fuel supplies to meet these requirements will be calculated in accordance with the formula in Appendix B. In addition to the following procedures, at an appropriate time prior to implementation of mandatory curtailment procedures and with the concurrence of the MPSC, ***the Company*** shall initiate a conservation dispatch in order to conserve fuel at critical plants to the degree deemed necessary:

(Continued on Sheet No. C-10.00)

(Continued from Sheet No. C-9.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (CONTD)

C3.3 Long-Term Capacity or Fuel Shortages (Contd)

(1) If the fuel supplies to meet the expected electric load for the subsequent 45-day period are not available ***and the transmission service provider is unable to commit adequate resources***, the following actions shall be taken:

(a) The utility shall notify the Commission of fuel supply shortage.

(b) Use of energy on premises controlled by ***the Company*** shall be curtailed.

(c) Request voluntary curtailment of all customers by:

(i) Direct contact of large industrial and commercial customers with an electric demand of 500 kW (this will be reduced to 200 kW for utilities with less than $10,000,000 annual revenue who are firm customers of ***the Company***) or higher, and request them to implement their voluntary long-term electric load management plan.

(ii) Request, by mass communication media, voluntary curtailment by all other customers.

(d) Curtail non-firm outside sales of electricity by Consumers Energy and Detroit Edison during the period of fuel shortage, except those non-firm sales which do not affect fuel usage at critical plants.

(2) If the fuel supply situation continues to deteriorate and the fuel ***and energy*** supplies to meet the expected electric load for the subsequent 30-day period are not available, the following additional actions shall be taken in the order noted to maintain as nearly as possible a 30-day supply:

(a) Implement a comprehensive voluntary program with procedures designed to take specific measures at specific times in specific areas to curtail the electric consumption of residential, commercial and industrial customers on an equitable basis to achieve a 15% reduction in energy consumption.

(Continued on Sheet No. C-11.00)

(Continued from Sheet No. C-10.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (CONTD)

C3.3 Long-Term Capacity or Fuel Shortages (Contd)

(b) Implement procedures for mandatory curtailment of electric service to all non-residential customers, who have monthly energy uses in excess of 75,000 kilowatthours (this will be reduced to 30,000 kWh for utilities with less than $10,000,000 annual revenue who are firm customers of ***the Company)***, to levels specified by ***the Company,*** such curtailments to be not more than 15% of the customer's "monthly base period use."

"Monthly base period use" is defined as the customer's usage during the corresponding monthly billing cycle of the twelve monthly billing periods immediately prior to December 31 of the calendar year immediately preceding the issuance of the order in this case, adjusted to reflect any increases or decreases of load in the most recent three-month period due to the installation or removal of equipment or a change in operating rate as computed in the formula in Appendix A hereto. The "monthly base period use" will be updated every three (3) years.

Upon application by the customers and agreement by the serving utility, a one-time adjustment of the monthly energy use of the twelve monthly billing periods immediately prior to December 31 of the calendar year immediately preceding the issuance of the order in this case or an adjustment of the prior three-month usage (PQkWh) will be made to correct any abnormalities of energy use resulting from such things as strikes and breakdown of major equipment that may have occurred during the period in question. For customers connected or qualifying after December 31 of the calendar year immediately preceding the year defined as the base period, the base period consumption will be negotiated between the customer and the serving utility until such time as one full calendar year of billing data at normal operation is available, at which time this will become the base period to be adjusted in accordance with the formula in Appendix A.

Upon prior arrangement and mutual agreement with the serving utility, customers may effect their electric usage reduction on a corporate basis within an individual utility's service area.

(c) The Governor will be requested to exercise any authority at his***/her*** disposal to alleviate the emergency situation.

(d) Implement a comprehensive voluntary program with procedures designed to take specific measures at specific times in specific areas to curtail the electric consumption of residential, commercial and industrial customers on an equitable basis to achieve a 30% reduction in energy consumption.

(Continued on Sheet No. C-12.00)

(Continued from Sheet No. C-11.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (CONTD)

C3.3 Long-Term Capacity or Fuel Shortages (Contd)

(e) Implement procedures for mandatory curtailment of service to customers covered in Section 3.3 B(2)(b) to levels specified by ***the Company***, such curtailment to be not more than 30% of such customer's respective monthly base period use.

(f) Implement a comprehensive voluntary program with procedures designed to take specific measures at specific times in specific areas to curtail the electric consumption of residential, commercial and industrial customers on an equitable basis to achieve a 50% reduction in energy consumption.

(g) Implement procedures for mandatory curtailment of service to customers covered in Section 3.3 B(2)(b) to levels specified by ***the Company***, such curtailment to be not more than 50% of such customer's respective monthly base period use.

(h) As a measure of last resort, manual load shedding of firm customer loads will be initiated as necessary to maintain the integrity of the system.

Voltage may be reduced up to six percent if at any time it is deemed appropriate by ***the Company*** to maintain the integrity of the system.

C. Long-Term Fuel Shortages Due to Coal

In the event of an emergency fuel shortage, such as that which could result from a general coal or transportation strike, the utility shall estimate each day the anticipated kilowatthour requirements for the subsequent 60-day period. Fuel supplies to meet these requirements will be calculated in accordance with the formula in Appendix B.

(1) If the fuel supplies necessary to meet the expected electric load for the subsequent 60-day period are not available, the following actions shall be taken:

(a) The utility shall notify the Commission of the fuel supply shortage.

(b) Use of energy on premises controlled by ***the Company*** shall be curtailed.

(Continued on Sheet No. C-13.00)

(Continued from Sheet No. C-12.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (CONTD)

C3.3 Long-Term Capacity or Fuel Shortages (Contd)

(c) Request voluntary energy curtailment of all customers by:

(i) Direct contact of customers with an electric demand of 500 kW (this will be reduced to 200 kW utilities with less than $10,000,000 annual revenue who are firm customers of ***the Company***) or higher, requesting them to implement their voluntary long-term electric load management plan.

(ii) Request, by mass communication media, voluntary curtailment by all other customers.

(d) Curtail non-firm outside sales of electricity by ***the Company*** during the period of fuel shortage, except those non-firm sales which do not affect fuel usage at critical plants.

(e) Seek authorization from the proper regulatory agencies to curtail the use of air pollution control facilities and to burn the available coal in a manner which will maximize use of the remaining stockpiles.

(f) Request industry to utilize industrial-owned generation equipment to supplement utility generation to maximum extent possible.

(g) At an appropriate time prior to implementation of mandatory curtailment procedures, and with the concurrence of the MPSC, ***the Company*** shall initiate a conservation dispatch in order to conserve fuel at critical plants to the degree necessary.

(2) If the fuel supply situation continues to deteriorate and the supplies necessary to meet the expected electric load for the subsequent 40-day period are not available, the following actions shall be taken:

(a) Implement a comprehensive voluntary program with procedures designed to take specific measures at specific times in specific areas to curtail the electric consumption of residential, commercial and industrial customers on an equitable basis to achieve a 15% reduction in energy consumption.

(Continued on Sheet No. C-14.00)

(Continued from Sheet No. C-13.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (CONTD)

C3.3 Long-Term Capacity or Fuel Shortages (Contd)

(b) Implement procedures for mandatory curtailment of electric service to all non-residential customers, who have monthly energy uses in excess of 75,000 kilowatthours (this will be reduced to 30,000 kWh for utilities with less than $10,000,000 annual revenue who are firm customers of ***the Company***), to levels specified by ***the Company***, such curtailments to be not more than 15% of the customer's "monthly base period use."

"Monthly base period use" is defined as the customer's usage during the corresponding monthly billing cycle of the twelve monthly billing periods immediately prior to December 31 of the calendar year immediately preceding the issuance of the order in this case, adjusted to reflect any increases or decreases of load in the most recent three-month period due to the installation or removal of equipment or a change in operating rate as computed in the formula in Appendix A hereto. The "monthly base period use" will be updated every three (3) years.

Upon application by the customers and agreement by the serving utility, a one-time adjustment of the monthly energy use of the twelve monthly billing periods immediately prior to December 31 of the calendar year immediately preceding the issuance of the order in this case or an adjustment of the prior three-month usage (PQkWh) will be made to correct any abnormalities of energy use resulting from such things as strikes and breakdown of major equipment that may have occurred during the period in question. For customers connected or qualifying after December 31 of the calendar year immediately preceding the year defined as the base period, the base period consumption will be negotiated between the customer and the serving utility until such time as one full calendar year of billing data at normal operation is available at which time this will become the base period to be adjusted in accordance with the formula in Appendix A.

Upon prior agreement and mutual agreement with the serving utility, customers may effect their electric usage reduction on a corporate basis within an individual utility's service area.

(Continued on Sheet No. C-15.00)

(Continued from Sheet No. C-14.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (CONTD)

C3.3 Long-Term Capacity or Fuel Shortages (Contd)

(3) In the event the foregoing steps are insufficient, the following steps will be taken when the fuel supplies necessary to meet the expected electric load for the subsequent 25-day period are not available:

(a) The Governor will be requested to exercise any authority at his***/her*** disposal to alleviate the emergency situations.

(b) Implement a comprehensive voluntary program with procedures designed to take specific measures at specific times in specific areas to curtail the electric consumption of residential, commercial and industrial customers up to 30% on an equitable basis.

(c) Implement procedures for mandatory curtailment of service to customers covered in Section 3.3 C(2)(b) to levels specified by Consumers Energy and Detroit Edison, such curtailment to be not more than 30% of such customer's respective monthly base period use.

(4) When the fuel supplies necessary to meet the expected load for the subsequent 15-day period are not available, the following actions shall be taken:

(a) Implement a comprehensive voluntary program with procedures designed to take specific measures at specific times in specific areas to curtail the electric consumption of residential, commercial and industrial customers on an equitable basis to achieve a 50% reduction in energy consumption.

(b) Implement procedures for mandatory curtailment of service to customers covered in Section 3.3 C(2)(b) to levels specified by ***the Company***, such curtailment to be not more than 50% of such customer's respective monthly base period use.

As a measure of last resort, manual load shedding of firm customer loads will be initiated as necessary to preserve the integrity of the system. Voltage may be reduced up to six percent if at any time it is deemed appropriate by ***the Company*** to maintain the integrity of the system.

(Continued on Sheet No. C-16.00)

(Continued from Sheet No. C-15.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (CONTD)

C3.4 Penalties

Demand use in excess of that permitted under a curtailment instituted pursuant to Sections 3.3 A(6), A(9) or A(11) shall be subject to an excess demand charge per kW of up to 15 times the average cost per kW of the capacity or demand-related charges for the billing month in question. The first 15% of excess demand shall be penalized at a rate of 5 times the average cost per kW of capacity or demand-related charges for the billing month in question, the next 15% of excess demand shall be penalized at a rate of 10 times the average cost per kW of the capacity or demand-related charges for the billing month in question, and all additional excess demand shall be penalized at a rate of 15 times the average cost per kW of the capacity or demand-related charges for the billing month in question.

Energy use in excess of that permitted under a curtailment instituted pursuant to Sections 3.3 B(2)(b), B(2)(e), B(2)(g), C(2)(b), C(3)(c) and C(4)(b) shall be subject to an excess charge per kWh of up to 15 times the average cost per kWh of the energy-related charges for the billing month in question. The first 15% of excess energy use shall be penalized at a rate of 5 times the average cost per kWh for the billing month in question, the next 15% of excess energy use shall be penalized at a rate of 10 times the average cost per kWh for the billing month in question, and all additional excess energy use shall be penalized at a rate of 15 times the average cost per kWh for the billing month in question.

Such charges shall be in addition to the regular rates under which service is supplied. Customers failing to comply with the specified reductions for more than a 60-day period will be subject to disconnection upon 24 hours' written notice for the duration of the emergency.

The "ratchet" clause of the on-peak minimum billing demand provision for rates D, F and J (Consumers Energy Company) and rates D4, D6, D6.1 and D7 (The Detroit Edison Company) will be waived during periods when the long-term portion of these procedures are in effect for those customers who are affected by the clause due to their efforts to conserve energy or reduce demand.

C3.5 Short-Term Capacity Shortages in Neighboring Control Areas

A. Firm service to customers in the ***Company's service area may*** be interrupted ***at the direction of the transmission service provider*** in order to provide service to suppliers of electric energy outside ***of*** the ***Company's service*** area.

(Continued on Sheet No. C-17.00)

(Continued from Sheet No. C-16.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (Contd)

C3.5 Short-Term Capacity Shortages in Neighboring Control Areas (Contd)

(1) Provide emergency assistance from idle or spinning reserve capacity in the Consumers-Edison Area provided that the neighboring control area has, as nearly as practicable, utilized its own idle or spinning reserve capacity.

(2) Interrupt service to controlled service loads and to loads in the Consumers-Edison Area being serviced under interruptible tariffs and emergency load management tariff provisions, provided that the neighboring control area seeking assistance has already ceased service to its controlled service and interruptible loads.

(3) Reduce voltage within the Consumers-Edison Area not more than six percent; provided the neighboring control area seeking assistance has already exhausted all available supportive resources, including interruption of controlled service and interruptible loads and voltage reduction.

B. The neighboring control area seeking assistance shall be requested to reduce its takings of electric energy if such takings endanger the reliability of bulk power supply in the Consumers-Edison Area. If such neighboring control area fails to reduce its takings and the reliability of bulk power supply in the Consumers-Edison Area is endangered, steps may be taken to open appropriate interconnections to relieve the burden on the Consumers-Edison Area.

C3.6 Appendix A - Formula for Base Period Adjustment

$$AMBP = (CM - BP) \cdot \frac{(PQ)}{(BPPQ)}$$

AMBP = Adjusted Monthly Base Period (kW or kWh).

(CM-BP) = Corresponding Month During Base Period.

PQ) = Average use (kW or kWh) for the second, third and fourth monthly billing periods immediately prior to the month of the curtailment. Should a curtailment be extended so that one of the three monthly billing periods reflects usage under a curtailment period--voluntary or mandatory--the actual billing for that month is replaced with the AMBP previously calculated for that month.

(BPPQ) = Average of corresponding three monthly billings prior to (CM-BP).

BASE PERIOD = The twelve monthly billing period immediately prior to December 31 of the calendar year immediately preceding the issuance of this order.

(Continued on Sheet No. C-18.00)

(Continued from Sheet No. C-17.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (Contd)

C3.6 Appendix A - Formula for Base Period Adjustment (Contd)

Example: (Curtailment ordered during month of May)

1st Curtailment Month

Since the April billing may not always be available, then for uniformity to all customers--from the time curtailment is ordered until the May meter-reading date:

$$\text{MAY} = \frac{\text{(Jan., Feb., Mar.) BP}}{\text{(Jan., Feb., Mar.) BP}} \times \text{May}$$

2nd Curtailment Month

$$\text{JUNE} = \frac{\text{(Feb., Mar., Apr.) BP}}{\text{(Feb., Mar., Apr.) BP}} \times \text{June}$$

3rd Curtailment Month

Since May electric use will reflect use under a curtailment, May will be replaced with May as calculated in the 1st curtailment month.

$$\text{JULY} = \frac{\text{(Mar., Apr., May) BP}}{\text{(Mar., Apr., May) BP}} \times \text{July}$$

_____Etc._____

MAY (Capital Letters) = AMBP for the one month billing period ending with the May meter reading for the current year.

May (Lower Case Letters) = Actual use for the one month billing period ending with the May meter reading for the current year.

NOTE: The nomenclature for any one billing period is determined by the last reading date in the period; i.e., a bill from April 2 to May 2 is considered the May billing period.

(Continued on Sheet No. C-19.00)

(Continued from Sheet No. C-18.00)

C3 EMERGENCY ELECTRICAL PROCEDURES (CONTD)

C3.7 Appendix B – Formula for Calculation of Fuel Days Supply

$$\sum_{I=1}^{n} Oi = \sum_{I=1}^{n} \frac{(Ci) \times (Ii)}{D}$$

Where: Omaxi ≥ Oi > Zero.

Thus, when Oi ≥ Omaxi, Omaxi will be used.

Omaxi = The maximum output each plant can average over the next three months adjusted for expected availability during this time span.

Ci = Fuel conversion factor expressed in MWH per unit of fuel.

Ii = The recoverable inventory of fuel available at each plant. The total amount unrecoverable will be determined by the companies on a plant by plant basis and will remain a constant number throughout the shortage.

D = Days supply for the system.

Oi = Average daily output from plant i that can be maintained for D days.

$\sum_{I=1}^{n} Oi$ = Total average daily system output that can be maintained for D days at the affected plants.

The solution requires maximizing the system days supply (D) given system electrical output requirements needed from the fuel shortage affected plants.

Data requirements for obtaining the solution are as follows:

$\sum_{i=1}^{n} Oi$ = Average daily forecasted output of all fuel affected plants for the next three months.

Ci, Omaxi and output forecasts shall be updated by Detroit Edison and Consumers Energy at the start of the emergency, at the beginning of conservation dispatch, and as necessary to account for major changes.

Additional information necessary to assess the overall energy situation shall be provided to the Commission Staff on a weekly basis. This additional information requirement includes:

1) non-affected fuel inventories (as appropriate).

2) total purchased/interchange power transactions (sales and purchases) for the past week.

3) total output of non-affected plants for the past week.

4) ***Detroit Edison*** peak load for the week.

Where appropriate data adjustments shall be made as necessary upon joint agreement of Consumers Energy, Detroit Edison and the Commission Staff.

(Continued on Sheet No. C-20.00)

(Continued from Sheet No. C-19.00)

C4 APPLICATION OF RATES

C4.1 Franchise Provisions

The Company is furnishing electric service under franchises granted to it or its predecessors or assignors by various municipalities and townships in which it is doing business. These franchises provide that the rates and charges for electric service shall not exceed its rates and charges for like service elsewhere in its service area, evidenced by its uniform rate schedules at the time on file with and approved by the Michigan Public Service Commission.

The Company is also exercising all such rights, privileges and franchises as it and its predecessors and assignors have or are entitled to under the statutes of the State of Michigan.

C4.2 Rate Schedules

All rates and charges are subject to the approval of the Michigan Public Service Commission. Copies of the rate schedule for electric service as filed with and approved by the Michigan Public Service Commission are available at all customer business offices for public inspection during regular business hours.

C4.3 Application for Service

Customers may apply for electric service by telephone, by mail or at any business office of the Company. Applicants for General Service or Industrial electric service will be required to sign a contract or agreement. However, whether an agreement is signed or not, a customer is subject to the rules and rates of the Company and is responsible for the service used.

Service can normally be re-established to residential, commercial and industrial premises recently supplied, within one full business day from the date of application. However, where new construction is required, additional time will be needed to allow for right-of-way to be obtained, engineering, and the construction of the facility.

Before accepting an application for electric service, the Company reserves the right to request the applicant to present identification at an Edison Office.

To cover the expenses involved in opening a customer's account, an account opening charge of $5.00 will be assessed against each new secondary installation or transfer of service order. This charge will be included on the first bill rendered

(Continued on Sheet No. C-21.00)

(Continued from Sheet No. C-20.00)

C4 APPLICATION OF RATES (Contd)

C4.4 Choice of Rates

In some cases, the customer is eligible to take service under any one of two or more rates. If requested, the Company will advise the customer in the selection of the rate which will give him the lowest cost of service, based on the information at hand, but the responsibility for the selection of the rate lies with the customer.

After the customer has selected the rate under which he elects to take service, the customer is not permitted to change from that rate to another until twelve months have elapsed. Neither will a customer be permitted to evade this rule by the device of temporarily terminating the customer's service.

However, the Company may, at its option, waive this rule where it appears that an earlier change is requested for permanent rather than for temporary or seasonal advantage. The intent of this rule is to prohibit frequent shifts from rate to rate. As used in this rule, the word rate shall include applicable riders.

C4.5 Billing for Service

Billing Frequency; Method of Delivery

(1) The Company shall transmit a bill once during each billing month to Residential Rate customers D1, D1.3, D2 and D5 Option II in accordance with the approved daily rate schedules. The Company shall transmit a bill to customers by mail unless the Company and the customer agree in writing to another method of delivery.

(2) The Company shall transmit a bill once during each billing month to all other customers in accordance with the approved monthly rate schedules. The Company shall transmit a bill to customers by mail unless the Company and the customer agree in writing to another method of delivery.

(Continued on Sheet No. C-22.00)

(Continued from Sheet No. C-21.00)

C4 APPLICATION OF RATES (Contd)

C4.6 Payment for Service and Returned Checks

A. The Company shall permit each customer a period of not less than 21 days from the date the bill was transmitted to pay in full, unless the customer agrees in writing to a different period.

B. Payment may be made by the customer in any reasonable manner including personal check. Payment by personal check is not reasonable if the customer has on previous occasion within the last three years tendered payment in this manner and the check has been returned for insufficient funds.

C. Checks Returned By Banks Or Other Financial Institutions: Checks remitted by customers as bill payments and returned because they are not valid are rebilled to the customer's accounts. A $5.00 charge will be assessed to customers for handling checks received and returned by banks for reasons of insufficient funds, bank account closed, no account and similar situations excluding bank errors. Appropriate collection action follows if the customer does not redeem the check.

D. The date of transmitting a bill is the date the utility mails the bill. For bills that are delivered other than by mail, the date of transmitting a bill is the date that the utility conveys or dispatches the billing information to the customer in accordance with the method of delivery that the customer and the utility agreed to use. If the last calendar day for payments falls upon a Sunday, legal holiday or any other day when the offices of the Company regularly used for the payment of customers' bills are not open to the general public, the payment date shall be extended through the next business day.

E. The customer is responsible for payments of all bills for service used until service is ordered discontinued and the Company has been given reasonable time and opportunity to secure a final meter reading. Payment after due date will result in the assessment of a late payment charge as specified in Section C-4.8. The failure on the part of the customer to receive the bill shall not entitle him to a waiver of the late payment charge.

(Continued on Sheet No. C-23.00)

(Continued from Sheet No. C-22.00)

C4 APPLICATION OF RATES (Contd)

C4.7 Collection, Reconnection and Turn-On Charges

A. For all customers billed on Residential and General Service rates, where service has been discontinued at the customer's request, a seasonal reconnection charge of $20.00 will be made to reconnect service to such customer at the same premises within the following 12-month period. If reconnection is requested during other than normal working hours, the above charge will be doubled.

B. When an employee of the Company is dispatched to call at a customer's premises for the purpose of collecting electric bill(s) that are in arrears, and the electric service was not disconnected, a charge of $8.00 will be added to the amount in arrears to cover the cost of sending the employee to the customer's premises. This charge will be applied even if the customer is not at home when the employee calls.

C. A restoration charge of $20.00 will be made to cover the cost of restoring service that has been discontinued for any breach of the Rules and Regulations by the customer.

D. Whenever it is necessary to restore service that has been disconnected at a pole, the charge will be $25.00. If restoration is requested during other than normal working hours, the charge will be $40.00. For all other rates, actual charges will apply to cover the cost of restoring service that has been disconnected for any breach of the Company's Rules or Regulations by the customer.

C4.8 Late Payment Charge

A. Residential

See Rule 460.122

B. Non-Residential

A one-time late payment charge of 2% upon the unpaid balance of any bill rendered for energy use or other approved rates and tariffs outstanding beyond 21 calendar days from the date of physical mailing of the bill will be assessed. This late payment charge will not be applicable to the first late payment of each calendar year, provided that such bill is paid in full on or before the date of physical mailing of the next succeeding billing.

(Continued on Sheet No. C-24.00)

(Continued from Sheet No. C-23.00)

C4 APPLICATION OF RATES (Contd)

C4.9 Insulation Standards for Electric Heating Rates

To qualify for electric heating rates, any new or conversion residential or commercial customer installing electric heat as the primary heat source shall install insulation to meet the following minimum R value, except where it will be impractical in the judgment of the Company.

	R Insulation
Ceiling (*)	35
Sidewall	11
Floors over unheated areas	19
Basement Walls (if used as living area)	11

Slab construction — 2" rigid foam around perimeter of slab and extending down vertically or under slab horizontally 24".

(*) This does not apply to mobile homes or structures with cathedral ceilings or flat deck roofs.

The above standards may be waived for residential heating customers using supplemental renewable energy heat sources.

C4.10 Alternative Shut-Off Protection Program for Eligible Low-Income and Senior Citizen Customers

A. As used in Section C4.11:

(1) "Eligible customer" means either a Low-income or Senior citizen customer whose arrearage has not accrued as a result of theft or unauthorized use.

(2) "Low-income customer" means a utility customer whose household income is at or below 200% of the Federal Poverty Level (FPL) and provides proof of meeting the eligibility requirement at the time of enrollment.

(3) "Senior citizen customer" means a utility customer who is 62 years of age or older and provides proof of meeting the eligibility requirement at the time of enrollment.

B. Customers eligible to participate under the Winter Protection Plan, Rules R460.148 and R460.149, will be required to waive their rights to participate under the Winter Protection Plan in order to participate under the Alternative Shut-off Protection Program for Eligible Low-Income and Senior Citizen Customers, Section C4.11.

(Continued on Sheet No. C-25.00)

(Continued from Sheet No. C-24.00)

C4 APPLICATION OF RATES (Contd)

C4.10 Alternative Shut-Off Protection Program for Eligible Low-Income and Senior Citizen Customers (Contd)

C. Eligible customers may enroll year-round. Once enrolled, Eligible customers will be required to pay a minimum payment of 10% of the total balance of the amount owing at the time of enrollment and minimum monthly payments that include 1/12 of any remaining arrearage balance plus 1/12 of the estimated annual bill. Reconnection fees will be waived upon initial enrollment. Eligible customers will not be subject to late fees or deposits while enrolled in the program. The Company may elect to offer the customer additional time to resolve the arrearage resulting in an extended payment plan up to 24 months.

D. Eligible customers' electric service will not be shutoff while enrolled in the program. In the event that the customer defaults by failing to pay the required minimum payment of 10% of the total balance owing at the time of enrollment or fails to make two monthly payments, the customer's participation in the program will be terminated and the customer's utility service will be subject to shut-off. The customer will remain responsible for the full arrearage and all applicable charges permitted under the tariffs including, but not limited to late fees, deposits and applicable reconnect charges. Customers previously terminated from the program will be permitted to enroll one additional time within any 12 month period if the customer pays 20% of any balance due plus reconnection charges and otherwise meets the requirements of the program.

(Continued on Sheet No. C-26.00)

(Continued from Sheet No. C-25.00)

C4 APPLICATION OF RATES (Contd)

C4.11 Exceptional Cases

The usual supply of electric service shall be subject to the provisions of M.P.S.C. No. 10. Where special service-supply conditions or problems arise which are not provided for in these rules, the Company may modify or adapt its supply terms to meet the peculiar requirements of such cases. Any such modification must be a rational expansion of standard provisions herein.

C4.12 No Prejudice Of Rights

The failure by the Company to enforce any of the terms of M.P.S.C. No. 10 shall not be deemed a waiver of its right to do so.

C5 CUSTOMER RESPONSIBILITY

C5.1 Service Connections

All wiring upon the customer's premises shall be brought by the customer to any suitable point of service specified by the Company. If the customer wishes a service point other than one specified by the Company, the customer shall pay for any mutually agreed upon extension of the service by a contribution in aid of construction. Only one service connection is installed to a building or group of buildings, including adjacent service areas under a single ownership except where separate service is required to prevent disturbing use of service or where, in the judgment of the Company, additional services are necessary or desirable for operating reasons or for safety requirements. Detailed specifications for service connections will be furnished upon request at any customer business office.

C5.2 Customer's Installation

All wiring on the customer's premises shall be installed and maintained in accordance with applicable laws and the rules of the governmental authority having jurisdiction, the National Electrical Code and the rules of the Company.

The use of any part of the Company's distribution system for carrying foreign electric currents or for carrier current transmission or broadcasting is expressly forbidden unless prior written permission has been obtained from the Company.

With the exception of the overhead service entrance cable (if required), the Company's service and equipment ends at the meter. The customer's equipment and wiring begins at the meter and this, in addition to the overhead service entrance cable (if required), is the responsibility of the customer.

(Continued on Sheet No. C-27.00)

(Continued from Sheet No. C-26.00)

C5 CUSTOMER RESPONSIBILITY (Contd)

C5.2 Customer's Installation (Contd)

The customer shall provide, at a location approved by the Company and free of expense to the Company, a suitable place for the meter or meters and any other supply, protective or control equipment of the Company which may be required in the delivery of the service.

Any inspection provided by The Detroit Edison Company is for the purpose of determining compliance with the technical provisions of Company rules and regulations for service and is, in no way, a guarantee of methods or appliances used by the contractor or the customer, or for the safety of the job.

C5.3 Company Equipment

A. **Company Equipment On Customer's Property** - The Company will repair and maintain its own property installed on the premises of the customer. All equipment supplied by the Company shall remain its exclusive property, and the Company shall have the right to remove the same from the premises of the customer at any time after the termination of service for any reason.

Relocation of Company facilities at the request of the customer will be at the customer's expense.

The customer shall be responsible for the safekeeping of the Company's property and shall not permit any person except an authorized Company representative to break any seals upon, or do any work on, any meter or other apparatus of the Company located on the customer's premises.

When the Company detects that its regulating, measuring equipment or other facilities have been tampered with, or when fraudulent or unauthorized use of electricity has occurred, a rebuttal presumption arises that the customer or other user has benefited by such fraudulent or unauthorized use of such tampering. Therefore, that customer or other user is responsible for payment of the reasonable cost of the service used during the period such fraudulent or unauthorized use or tampering occurred or is reasonably assumed to have occurred, and is responsible for the cost of field calls and the cost of making repairs necessitated by such use and/or tampering, plus a charge of fifty dollars ($50.00) per occurrence.

B. Location of Meters - Meters for all secondary services will, in general, be installed outdoors in a meter enclosure. Meters for other services may be installed outdoors if they are protected from traffic and are readily accessible for reading and testing. Meters which must be protected from inclement weather while being serviced or tested shall be located indoors or in a suitable housing where such work can be performed.

(Continued on Sheet No. C-28.00)

(Continued from Sheet No. C-27.00)

C5 CUSTOMER RESPONSIBILITY (CONTD)

C5.3 Company Equipment (Contd)

Meters and related equipment located indoors shall be as near as possible to the service entrance, in a clean, dry place, reasonably secure from injury, not subject to vibration, and readily accessible for reading and testing. When ladders are needed to reach the Company's equipment, MIOSHA dictates that the area must be large enough to accommodate their safe use.

In cases of multiple buildings such as two-family flats or apartment buildings, if the meters are installed indoors, they shall be located within the premises served or at a common location readily accessible to the tenants and the Company.

An authorized representative of the Company will determine the acceptability of the meter location in all cases.

C5.4 Access to Premises

As a condition of taking service, authorized employees and agents of the Company shall have access to the customer's premises at all reasonable hours to install, turn on, disconnect, inspect, read, repair or remove its meters, and to install, operate and maintain other Company property, and to inspect and determine the connected electrical load. Authorized employees and agents shall carry identification furnished by the Company and shall display it upon request.

In a commercial building or apartment complex where the meters are installed on the inside of the building and are located in a locked meter room, a key will be provided to the Company. Failure of the customer to comply to the above may result in termination of service after due notice.

(Continued on Sheet No. C-29.00)

(Continued from Sheet No. C-28.00)

C5 CUSTOMER RESPONSIBILITY (CONTD)

C5.5 Conjunctional Service

Electricity supplied to a customer is for his exclusive use on the premises to which it is delivered by the Company. In no case may service be shared with another, sold to another or transmitted off the premises without the written permission of the Company. Violation of this rule may result in discontinuation of service.

C5.6 Parallel Operation and Standby Service

A Customers who desire to run electrical generating equipment in parallel with the Company's system or customers who desire the Company to serve load that is normally served by another source of energy or by the customers generator or prime mover must have written permission by the Company for parallel operation and will take standby service under the provisions of Rider No. 3 unless served under Rider DG, except as provided for in paragraph (2) below.

B Any customer operating in parallel with the Company's system under written permission by the Company but not taking service under Rider No. 3 as of January 1, 1989, will not be required to take service under Rider No. 3 as long as there is no change in the customer's generating facilities or other source of energy.

C The customer must meet the interconnection requirements of Detroit Edison specified in "Protective Relaying Operating and Telemetering Guidelines for Independently-Owned generation", published by the Company, as approved by the Michigan Public Service Commission, before parallel operation will be permitted. The Company must approve in writing any subsequent changes in the interconnection configuration before such changes are allowed. Operating in parallel with the Company's system without written approval by the Company of the interconnection, and any subsequent changes to the interconnection, will make the customer subject to disconnection. The company will respond to requests for interconnection, granting or denying, within 20 working days of the receipt of the request provided that the request conforms to the Company's interconnection requirements as specified.

(Continued on Sheet No. C-30.00)

(Continued from Sheet No. C-29.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS

C6.1 Extension of Service

This section of the rules and regulations sets forth the terms and conditions under which the Company will construct and extend its facilities to serve new loads and replace, relocate or otherwise modify its facilities.

Upon application for new or increased service, the Company will make extensions or alterations of its electric supply facilities under the following conditions, provided that the service applied for will not disturb or impair the service to existing customers.

A GENERAL

(1) Each installation shall be a separate distinct unit and any further extension therefrom shall have no effect upon any agreement under which previous installations were constructed.

(2) The Company normally provides overhead construction for its electric supply lines. Underground construction will be provided at the option of the Company for its own convenience, where necessary for public safety and where overhead construction is impractical.

(3) Where the Company, for its own convenience, installs its facilities underground, the differential between estimated overhead construction costs and underground costs of such installation will be borne by the Company. All other costs will be governed by the Company's Overhead Extension Policy.

(4) Existing rules issued by the Michigan Public Service Commission require that distribution systems in a new residential subdivision and commercial distribution and service lines in the vicinity of or on the customer's property and constructed solely to serve a customer or a group of adjacent customers be placed underground. Commercial distribution specifically includes, but is not limited to, apartment house complexes and shopping centers.

(5) An exception to the foregoing mandatory requirement for undergrounding may be made, where, in the Company's judgment, any of the following conditions exist:

(a) Such facilities would serve General Service customers having loads of temporary duration; or

(b) Such facilities would serve General Service customers in areas where little aesthetic improvement would be realized if such facilities were placed underground; or

(c) Such facilities would serve General Service customers in areas where it is impractical to design and place such facilities underground because of uncertainty of the size and character of the loads to be served therefrom.

(Continued on Sheet No. C-31.00)

(Continued from Sheet No. C-30.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

(6) Refunds of refundable construction advances will be made without interest for a period of five (5) years after completion of the line extension. Refunds will not be made until the original customers(s) estimated revenues are exceeded by actual revenues as a result of the line extension. All line extensions will be reviewed yearly for refunds. The Company shall have no further obligation to refund the remaining portion of the construction advance. Any unrefunded construction advance will be considered a non-refundable contribution in aid of construction.

(7) The Company reserves the right to make special contractual arrangements as to the provision of necessary service facilities, duration of contract, customer advances for construction, contributions in aid of construction, deposits, amounts of refunds, minimum bills, service charges or other service conditions. This applies to existing customers and prospective customers whose load requirements exceed the capacity of the available system in the area or whose load characteristics or special service needs require unusual or additional investments by the Company or where there is not sufficient assurance of the permanence of the use of the service.

(8) The Company will construct electric distribution facilities and extensions only in the event that it is able to obtain or use the necessary materials, equipment and supplies. Subject to the review by the Michigan Public Service Commission, the Company reserves the right to allocate the use of such materials, equipment and supplies as it may have on hand from time to time among the various customers and prospective customers of the same class.

(9) If temporary overhead or underground facilities are required, Section C6.5A "Temporary Service," shall apply.

(10) Except where specifically stated otherwise, line extension policy is based on overhead construction and any financial participation by the customers for underground facilities shall be in addition to other charges provided for in these rules.

(Continued on Sheet No. C-32.00)

(Continued from Sheet No. C-31.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

(11) Prior to commencement of construction, the applicant shall make a refundable construction advance based on the Company's overhead extension policy, plus a non-refundable contribution in aid of construction as required by the underground extension rules when applicable. Refunds will be based on the overhead extension refund policy and shall apply only to that portion related to the refundable construction advance.

(12) When a primary extension to serve an applicant or group of applicants must cross adjacent land on which underground construction is required by the property owner (such as on State or Federal lands) the applicant's shall make a non-refundable contribution in aid of construction equal to the estimated difference in cost between the underground and equivalent overhead facilities. The Company may establish a per foot charge to be considered the difference in cost. Such charge shall be adjusted from time to time to reflect the Company's actual construction cost experience.

(13) The applicant shall furnish without cost to the Company, all necessary rights-of-way and line clearance permits in a form satisfactory to the Company. The Company will provide the necessary easement forms, and solicit their execution. The applicant(s), as a condition of service, will be ultimately responsible for obtaining all easements and permits as required by the Company, for construction, operation, maintenance and protection of the facilities to be constructed. Where State or Federal lands are to be crossed to extend service to an applicant or group of applicants, the additional costs incurred by the Company for rights-of-way and permit fees shall be borne by the applicant(s). If the applicant is unable to secure satisfactory easements and/or permits, the Company shall extend its facilities along an alternate route selected by the Company. The applicant will be required to make a non-refundable contribution in aid of construction for all additional costs incurred.

(Continued on Sheet No. C-33.00)

(Continued from Sheet No. C-32.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

(14) Scheduling of construction shall be done on a basis mutually agreeable to the Company and the applicant. The Company reserves the right not to begin construction until the customer has demonstrated to the Company's satisfaction his intent to proceed in good faith with installation of his facilities by acquiring property ownership, obtaining all necessary permits, starting construction, and/or, in the case of mobile homes, meeting the Company's requirements for permanency.

(15) The Company reserves the right to make the final determination of selection, application, location, routing and design of its facilities. Where excessive construction costs are incurred by the Company at the request of the customer, the customer may be required to make a non-refundable contribution in aid of construction to the Company for such excess costs.

C6.2 Overhead Extension Policy

A Customers on Rates D1 and D2

(1) Overhead Extension Policy - Application for electric service which requires the construction of an extension to the Overhead System will be granted under the following conditions;

(a) Standard Allowance - For each residence, the Company will construct single-phase distribution line extensions at its own cost a distance of 600 feet, of which no more than 250 feet will be on private property (lateral extension).

If the distribution line is constructed such that it can be available to serve only two premises (joint lot line construction), such extension shall be considered as a lateral extension, and the customer(s) requesting service shall each be granted up to 250 feet of free footage. For purposes of this policy, secondary voltage distribution lines shall not be considered as a line extension.

(Continued on Sheet No. C-34.00)

(Continued from Sheet No. C-33.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.2 Overhead Extension Policy (Contd)

(b) Charges - Single phase overhead line extensions in excess of the above footage will require a refundable construction advance of $6.50 per foot, measured from pole to pole, plus a non-refundable contribution for the estimated line clearance cost for such excess footage. There may also be a non-refundable contribution in aid of construction equal to the cost of securing right of way. Three-phase extensions will be on the same basis as Commercial and Industrial.

(c) Measurement - The length of any extension will be measured along the route of the extension from the Company's nearest facilities from which the extension can be made to the point of connection with the service drop.

Should the Company for its own reasons choose a longer route, the applicant will not be charged for the additional distance, however, if the customer requests special routing of the line, the customer will be required to pay a non-refundable contribution in aid of construction for the extra cost resulting from the special routing.

(d) Refunds - During the five (5) year period immediately following the date the line extension is completed, the Company will make refunds of the refundable construction advance paid for a financed extension under provisions of Paragraph (2) above. The amount of any such refund shall be equal to two (2) times the estimated average annual revenue or $500 (whichever is greater) for each additional standard allowance customer subsequently connected directly to the facilities financed by the original customer. Directly connected residential customers are those which do not require the construction of more than 600 ft. of single phase line extension or 250 feet on private property. Directly connected commercial or industrial customers are those which do not require payment of a refundable construction advance. Such refunds will be made only to the original customer and will not include any amount of non-refundable contribution in aid of construction for underground service made under the provisions of the Company's underground service policy. The refund shall not exceed the total refundable construction advance. The refundable construction advance shall not bear interest.

(Continued on Sheet No. C-35.00)

(Continued from Sheet No. C-34.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.2 Overhead Extension Policy (Contd)

(2) Underground Extension Policy - The Company will extend its primary or secondary distribution system from existing overhead or underground facilities. When any such extension is made from an existing overhead system the property owner may be required to provide an easement(s) for extension of the overhead system to a pole on his property where transition from overhead to underground can be made.

(a) Charges - Prior to commencement of construction, the applicant shall make a non-refundable contribution in aid of construction equal to the difference between the estimated overhead construction costs and the estimated underground construction costs, plus a refundable construction advance based on the Company's overhead extension policy, which provides for a standard allowance of 600 feet of which no more than 250 feet will be on private property. Underground services will be installed as indicated in Section C6.4.

(b) Refunds - Refunds will be based on the overhead extension refund policy and shall apply only to that portion related to the refundable construction advance.

(3) ***Commercial and Industrial Customers – Less than 1,000 kW***

(a) Standard Allowance - Except for non-refundable contribution in aid of construction for underground service made under the provisions of Rules C6.3 and C6.4, the Company will finance the construction cost necessary to extend its facilities to serve commercial or industrial customers when such investment does not exceed two (2) times the estimated annual revenue anticipated to be collected from customers initially served by the extension.

(b) Charges - When the estimated cost of construction of such facilities exceeds two (2) times the estimated annual revenue as defined in Paragraph (a), the applicant shall be required to make a refundable construction advance for the entire amount of the excess construction costs.

(c) Refunds - During the five (5) year period immediately following the date the line extension is completed, the Company will make refunds of the refundable construction advance paid for a financed line extension. The total refund shall not exceed the total refundable construction advance. The refundable construction advance shall not bear interest. Such refunds shall be computed as follows:

(Continued on Sheet No. C-36.00)

(Continued from Sheet No. C-35.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.2 Overhead Extension Policy (Contd)

(i) Original Customer - At the end of the first complete 12-month period immediately following the date of completion of the line extension, the Company will compute two (2) times the actual revenue provided by the original customer in the 12-month period. Any amount by which twice the actual annual revenue exceeds the Company's initial estimated revenue will be made available for refund to the original customer.

(ii) Additional New Customers - Refunds for additional new customers directly connected to the financed extension during the refund period will be made as follows:

The amount of any such refund shall be equal to two (2) times the actual annual revenue or $500 (whichever is greater) for each standard allowance customer subsequently connected directly to the facilities financed by the original customer. Directly connected residential customers are those which do not require the construction of more than 600 feet of single phase line extension or 250 feet on private property. Directly connected commercial and industrial customers are those which do not require payment of a refundable construction advance. Refunds will not be made until the original customer(s) estimated revenues are exceeded by actual revenues as a result of the line extension.

(4) Commercial and Industrial Customers - 1,000 kW and larger

(a) Standard Allowance - Except for non-refundable contribution in aid of construction for underground service made under the provisions of Rules C6.3 and C6.4, and reserving the Company's rights under C6.1(7), the Company will finance the construction cost necessary to extend its facilities to serve commercial or industrial customers 1,000 kW and larger when such investment does not exceed the allowance calculated using the Standard Allowance Table below. The Company may require the customer to contract for a minimum demand or minimum bill as a condition for providing the allowance.

(Continued on Sheet No. C-36.01)

(Continued from Sheet No. C-36.00)

*Standard Allowance –Commercial and Industrial Customers 1,000 kW and Larger**

Rate Schedule	*Full Service Contract Term, Years*					*No Full Service Contract*
	1	*2*	*3*	*4*	*5*	
D6, D6.1, D7, D4	*$115 / kW*	*$220 / kW*	*$320 / kW*	*$410 / kW*	*$500 / kW*	*$60 / kW*
D6.2, D3	*$90 / kW*	*$175 / kW*	*$250 / kW*	*$320 / kW*	*$390 / kW*	*$60 / kW*
D8, R1.1, R1.2	*$80 / kW*	*$150 / kW*	*$215 / kW*	*$275 / kW*	*$330 / kW*	*$60 / kW*
R10 Stack	*$50 / kW*	*$90 / kW*	*$130 / kW*	*$170 / kW*	*$205 / kW*	*$60 / kW*
R10 MISO	*$15 / kW*	*$30 / kW*	*$40 / kW*	*$50 / kW*	*$60 / kW*	*$60 / kW*

***Allowances are based on the anticipated average Maximum Demand in kW during the contract term**

(b) Charges - When the estimated cost of construction of such facilities exceeds the allowance calculated using the Standard Allowance Table as defined in Paragraph (a), the applicant shall be required to make a non-refundable construction advance prior to the commencement of construction for the entire amount of the excess construction costs, in addition to any other non-refundable contributions that are required.

(c) In lieu of the standard allowance and provisions provided under C6.2 (4), commercial or industrial customers 1,000 kW and larger will be permitted to elect the standard allowance and provisions provided under section C6.2 (3)

C6.3 Underground Distribution Systems

This portion of the rules provides for the extension and/or replacement of underground electric distribution facilities.

A General

(1) Existing rules issued by the Michigan Public Service Commission require that distribution systems in a new residential subdivision and commercial distribution and service lines in the vicinity of or on the customer's property and constructed solely to serve a customer or a group of adjacent customers be placed underground. Commercial distribution specifically includes, but is not limited to, apartment house complexes and shopping centers.

(2) An exception to the foregoing mandatory requirement for undergrounding may be made, where, in the Company's judgment, any of the following conditions exist:

(Continued on Sheet No. C-37.00)

(Continued from Sheet No. C-36.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.3 Underground Distribution Systems (Contd)

(a) Such facilities would serve General Service customers having loads of temporary duration; or

(b) Such facilities would serve General Service customers in areas where little aesthetic improvement would be realized if such facilities were placed underground; or

(c) Such facilities would serve General Service customers in areas where it is impractical to design and place such facilities underground because of uncertainty the size and character of the loads to be served therefrom.

(3) Residential subdivisions and other areas where commercial distribution and service lines are constructed solely to serve a customer or a group of adjacent customers, as covered by the rules of the Michigan Public Service Commission requiring mandatory undergrounding of electric distribution facilities, shall be designated underground districts. In addition, those areas where the owner has requested underground service shall also be designated as underground districts. The Company may designate portions of existing subdivisions as underground districts where, in the Company's opinion, such designation would be desirable for aesthetic or technical reasons. All future applicants for service in the underground districts are subject to the applicable provisions of these rules.

(4) The Company, at the request of the developer, will install an underground electric distribution system for all new residential subdivisions, mobile home parks, multiple occupancy building complexes, and commercial subdivisions, in cooperation with the developer or owner, evidenced by a signed agreement, and in compliance with the specific conditions in this Rule.

(5) The Company reserves the right to refuse to install its facilities underground in cases where, in the Company's opinion, such construction would be impractical or present a potential detriment to the service to other customers.

(6) The Company will not undertake the replacement of existing overhead lines and above-surface equipment with underground installations or provide underground installations for transmission lines, subtransmission lines, distribution feeders and above-surface electric equipment associated with switching stations except where agreements for reimbursement are made in accordance with MPSC R-460.516, "Replacement of Existing Overhead Facilities.

(Continued on Sheet No. C-38.00)

(Continued from Sheet No. C-37.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.3 Underground Distribution Systems (Contd)

(7) The Company will furnish, install, own and maintain the entire underground electric distribution system including the pre-meter portion of the service lateral cable. Generally, the trenches will be occupied jointly by facilities of the Company and other utilities where satisfactory agreement for reimbursement exists between the Company and the other utilities.

(8) The service normally available from the system will be at secondary voltage, single phase, three wire, 60 Hz. Three phase service will be made available for schools, pumping stations, and other installations only under terms of a separate agreement. Certain related equipment, such as pad-mounted transformers, switching equipment and service pedestals may be above grade. The area must be suitable for the direct burial of cable.

(9) The developer or owner must provide for recorded easements or rights-of-way acceptable to the Company. The easements are to be coordinated with other utilities and will include easements for street lighting cable.

(10) The developer or owner must provide for grading the easement to finished grade and for clearing the easement of trees, large stumps and other obstructions sufficiently to allow trenching equipment to operate. Survey stakes indicating easements, lot lines and grade must be in place. The developer or owner must certify to the Company that the easements are graded to within four (4) inches of final grade before the underground distribution facilities are installed.

(1) The developer or owner will be responsible for all costs of relocating Company facilities to accommodate changes in grade or other changes after the underground equipment is installed, and also be responsible for any damage to Company facilities caused by his operations or the operations of his contractors. An amount equal to the total costs involved, including overheads, is required for relocation or rearrangement of facilities whether specifically requested by the developer or owner, or due to the facilities becoming endangered by a change in grade, or other changes.

(12) The general policy of the Company is that real estate developers, property owners or other applicants for underground service shall make a non-refundable contribution in aid of construction to the Company in an amount equal to the estimated difference in cost between underground and equivalent overhead facilities. Methods for determining this cost differential for specific classifications of service are provided herein. In cases where the nature of service or the construction conditions are such that these provisions are not applicable, the general policy stated above shall apply.

(Continued on Sheet No. C-39.00)

(Continued from Sheet No. C-38.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.3 Underground Distribution Systems (Contd)

(13) Where unusual construction costs are incurred by the Company due to physical obstacles such as, but not limited to: rock, surface water, frost, other utility facilities, heavy concentration of tree roots, patios, roadway crossings or other paved areas, the applicant(s) shall make a non-refundable contribution in aid of construction equal to the estimated difference in cost of the underground installation and that of equivalent overhead facilities. In no case shall this contribution be less than the per foot charges stated in this Rule for the type of service involved. The Company reserves the right to refuse to place its facilities under road or railroad rights-of-way or waterways in cases where, in the Company's judgment, such construction is impractical.

(14) In the Lower Peninsula, an additional non-refundable contribution in aid of construction of $1.00 per trench foot shall be added to trenching charges for practical difficulties associated with winter construction in the period from December 15 to March 31 inclusive. This charge will not apply to jobs which are ready for construction and for which the construction meeting has been held prior to November 1.

B. Distribution for Residential Subdivisions

(1) General

(a) Distribution facilities in all new residential subdivisions and existing residential subdivisions in which electric distribution facilities have not already been constructed shall be placed underground, except that a lot facing a previously existing street or county road and having an existing overhead distribution line on its side of the street or county road shall be served with an underground service from these facilities and shall be considered a part of the underground service area.

(b) The Company will install an underground distribution system, including primary and secondary cable and all associated equipment, to provide service to the lot line of each lot in the subdivision.

(c) For purposes of definition, all one-family and two-family buildings on individual lots are residential.

(d) The developer of a new residential subdivision shall cause to be recorded with the plat of the subdivision a public utility easement approved by the Company for the entire plat. Such easement shall include a legal description of areas within the plat which are dedicated for utility purposes and also other restrictions as shall be determined by the Company for construction, operation, maintenance and protection of its facilities.

(Continued on Sheet No. C-40.00)

(Continued from Sheet No. C-39.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.3 Underground Distribution Systems (Contd)

(e) Where sewer lines will parallel Company cables, taps must be extended into each lot for a distance of one (1) foot beyond the easement prior to installation of the cables.

(2) Charges - Prior to commencement of construction, the owner or developer will pay to the Company an amount equal to the estimated cost of construction of the distribution system, but not less than the non-refundable contribution in aid of construction determined by multiplying the sum of the lot front footage for all lots in the subdivision by $3.00, except for those lots served by an underground service from an overhead distribution line as previously stated in this rule.

(3) Refunds - The balance of the charges (refundable construction advance) shall be made available to the developer or owner on the following basis:

During the five (5) year period immediately following completion of the distribution construction, the Company will refund two (2) times the estimated average annual revenue or $500 (whichever is greater) for each permanent residential customer connected within the subdivision. Such refunds will be made only to the original developer or owner and in total shall not exceed the refundable construction advance. The refundable construction advance shall bear no interest.

(4) Measurement - The front foot measurement of each lot to be served by a residential underground distribution system will be made along the contour of the front lot line. The front lot line is that line which usually borders on or is adjacent to a street. However, when streets border on more than one side of a lot, the shortest dimension will be used. In case of a curved lot line which borders on a street or streets and represents at least two sides of the lot, the front foot measurement will be considered as one-half the total measurement of the curved lot line. The use of the lot front foot measurement in these rules shall not be construed to require that the underground electric distribution facilities be placed at the front of the lot.

(5) Service Laterals - The Company will install, own, operate and maintain an underground service lateral as defined in Section C6.4.

(6) Extension of Existing Distribution Systems in Platted Subdivisions - Any such extension shall be considered a distinct, separate unit, and any subsequent extensions therefrom shall be treated separately.

(Continued on Sheet No. C-41.00)

(Continued from Sheet No. C-40.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.3 Underground Distribution Systems (Contd)

(a) Charge - Prior to commencement of construction the applicant shall make a non-refundable contribution in aid of construction in an amount equal to $3.00 per lot front foot for the total front footage of all lots which can be directly served in the future from the distribution system installed to serve the initial applicant. All subsequent applicant(s) for service on these lots shall be required to make a non-refundable contribution in aid of construction in the amount of $3.00 per lot front foot for all lots owned by the subsequent applicant(s) which can be directly served from the original distribution extension.

(b) Refunds - The Company will refund to the original applicant the amounts contributed in aid of construction by subsequent applicants as provided in Paragraph 1 above. The total amount refunded shall not exceed the amount of the original contribution, and will be made only to the original applicant. The Company will endeavor to maintain records for such purposes but the original applicant is ultimately responsible to duly notify the Company of refunds due; any refund not claimed within five (5) years after the date of completion of distribution constructions shall be forfeited. Refunds made under the provisions of this paragraph shall be in addition to refunds made under the Company's overhead line extension policy.

(c) Measurements - The lot front footage used in computing charges and contributions in Paragraph 1 above shall be measured the same as for new subdivisions.

(d) Service Laterals - The Company will install, own, operate and maintain an underground service lateral as defined in Section C6.4.

C Distribution for Mobile Home Parks

(1) General

(a) For purposes of this rule, the definition of a mobile home park is a parcel or tract of land under the control of a person(s) upon which three or more mobile homes are located on a continual non-recreational basis not intended for use as a temporary trailer park.

(b) Distribution facilities in new mobile home parks shall be placed underground. Extension from existing overhead systems in mobile home parks will be placed underground at the option of the park owner.

(Continued on Sheet No. C-42.00)

(Continued from Sheet No. C-41.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.3 Underground Distribution Systems (Contd)

(c) This service is limited to mobile home parks in which the service is metered by the Company at secondary voltage.

(d) Company cables shall be separated by at least five feet from paralleling underground facilities which do not share the same trench. The park owner's cable systems, such as community antenna systems, should be in separate trenches, if possible. Subject to an agreement with the Company these cable systems may occupy the same trench. The park owner must agree to pay a share of the trenching cost plus the extra cost of the additional backfill, if required, and agree to notify the other using utilities when maintenance of his cable requires digging in the easement.

(e) The park owner must provide for each mobile home lot a meter pedestal of a design acceptable to the Company.

(2) Charges - The park owner shall be required to make a non-refundable contribution in aid of construction as follows:

(a) Prior to commencement of construction, the owner or developer will pay to the Company an amount equal to the estimated cost of construction of the distribution system, but not less than the non-refundable contribution in aid of construction determined by multiplying the sum of the lot front footage for all lots in the park by $3.00, except for those lots served by an underground service from an overhead distribution line as previously stated in this rule.

(b) Service Loops or Laterals - The Company will install, own, operate and maintain an underground service lateral as defined in Section C6.4.

(c) Transformers - $7.50 per kVA, for the total nameplate kVA installed.

(3) Measurements - The lot front footage used in computing charges and contributions shall be measured the same as for new subdivisions.

(Continued on Sheet No. C-43.00)

(Continued from Sheet No. C-42.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.3 Underground Distribution Systems (Contd)

D Distribution for Condominiums and Apartment House Complexes

(1) This service is limited to multiple occupancy buildings in which service is metered by the Company at secondary voltage. These include, but are not limited to, low-rise apartments, townhouses, condominiums and cluster housing where space is available for pad-mounted transformers and other above-grade equipment and the area is suitable for the direct burial installation of cable. Where the developer and/or the Company are concerned that the easement area could be developed with patios, etc., special facilities such as conduit may be required to allow the Company to maintain the system. If special facilities are required, the developer will be responsible for providing them.

(2) Charges

(a) Primary and Secondary - The owner will pay to the Company, prior to construction, a non-refundable contribution in aid of construction arrived at by multiplying the total length of trench feet required for distribution facilities by $4.30 plus $7.50 per kVA (nameplate) of transformer capacity to be installed.

(b) Service Laterals - The Company will install, own, operate and maintain an underground service lateral as defined in Section C6.4.

E Distribution for Commercial and Industrial Subdivisions

The Company will install underground facilities to serve commercial and industrial customers and other installations within designated underground districts in cooperation with the developer or owner, evidenced by a separate signed agreement, subject to the following specific conditions:

(1) General

(a) Where overhead lines are allowed by MPSC Rules for a specific installation and are objected to by a person or municipality, the Company, where feasible, will honor a request or directive that such lines be constructed underground. The objecting party shall be responsible for the payment of the additional cost of the underground facilities.

(b) When required, the developer or owner must provide suitable space and the necessary foundations and/or vaults for equipment and provide trenching, back-filling, conduits and manholes acceptable to the Company for installation of cables on his property.

(Continued on Sheet No. C-44.00)

(Continued from Sheet No. C-43.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.3 Underground Distribution Systems (Contd)

(c) Distribution facilities in the vicinity of new industrial loads and built solely to serve such loads will be placed underground at the option of the applicant. This includes service to all buildings used primarily for the assembly, processing or manufacturing of goods.

(2) Charges

(a) Distribution System - For standard installation of distribution facilities, the applicant(s) shall make a non-refundable contribution in aid of construction in the amount equal to the total length in feet multiplied by $4.30.

(b) Transformers - Transformers will be charged on an installed basis of $7.50 per kVA.

(c) Service Laterals - The Company will install, own, operate and maintain an underground service lateral as defined in Section C6.4.

(3) Measurement

(a) Trench length shall be determined by measuring along the centerline of the trench.

Primary and Secondary Extensions shall be measured along the route of the primary and secondary cable from the transition pole to each transformer or other termination. No additional charge will be made for secondary or service cable laid in the same trench with primary cable.

C6.4 UNDERGROUND SERVICE CONNECTIONS

The Company will install, own, operate and maintain underground service connections in cooperation with the developer or owner, evidenced by a separate signed agreement, subject to the following charges:

A Residential in and Outside Subdivisions and Mobile Home Parks

The applicant shall make a non-refundable contribution in aid of construction for a standard 2/0 aluminum service in the amount equal to the product of the trench length in feet multiplied by $3.90. When required, larger services will be provided, and the additional cost will be included in the non-refundable contribution in aid of construction.

(Continued on Sheet No. C-45.00)

(Continued from Sheet No. C-44.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.4 Underground Service Connections (Contd)

B Apartment House Complexes and Condominiums:

The applicant shall make a non-refundable contribution in aid of construction in the amount equal to the product of the trench length in feet multiplied by $4.30.

No charge will be made for service laterals laid in the same trench with primary or secondary cables.

C Commercial and Industrial

The developer or owner must provide suitable space and provide trenching, backfilling and conduits acceptable to the Company for installation of service cables on his property.

(1) Outdoor Pad-Mounted Installation:

(a) The Company will furnish, install, own and maintain the pre-meter portion of the individual service lateral between the distribution facilities and self-contained meter locations.

(b) When a commercial or industrial building is divided in such a manner as to require several self contained meter locations (as described above), the owner shall be required to make provisions for a common pre-meter feed either by grouping meters in a manner and location acceptable to the Company, or by installing a Company approved secondary connection cabinet at a Company approved location. The owner shall install one (1) 4" conduit for every 400 amps or part thereof of capacity, based on the rating of the secondary connection cabinet, plus one (1) additional 4" conduit for each secondary connection cabinet. The Company will furnish, install in the customers conduits, own and maintain an appropriately sized lateral from the Company's distribution facilities to the agreed upon common point regardless of cable size or number of sets. Service laterals installed in this manner must be coordinated with and approved by the Company prior to installation of the conduit and other equipment.

Changes to the configuration, size and number of self-contained meter locations or any proposed load additions to existing secondary connection cabinet installations must be coordinated with the Company. Combining of self-contained meters into one current transformer installation may be accommodated in specific instances where the service lateral cables and the secondary connection cabinet ratings are not exceeded. These combinations and changes must be approved on an individual basis. If the combination/change cannot be made, the service will be provided as indicated in (d) below.

(Continued on Sheet No. C-46.00)

(Continued from Sheet No. C-45.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.4 Underground Service Connections (Contd)

(c) Where service laterals are installed by the Company as in (a) and (b) above, the owner or developer will pay to the Company an amount arrived at by multiplying the horizontal length of the service lateral in feet by $10.00.

(d) Where service laterals are required for situations not covered in (a) and (b) above, the customer will furnish and install the service lateral in a manner suitable to the Company. The Company will make connection of the customer furnished lateral to its distribution system.

(2) Indoor Transformer Installations:

Service can be furnished with Company-owned transformers at remote locations fed from customer-owned primary cables in the building. The transformers will be installed by the customer. The cables will be furnished, installed, owned and maintained by the customer and will be terminated in primary switching equipment located near the service entrance point of the building. The Company will furnish, install, own and maintain the entire underground electric distribution system from the property line to and including the primary switch equipment. The customer will furnish, install, own and maintain the secondary cable between the transformer secondary terminals and the tenant meter location. The meters must be grouped and installed in a manner acceptable to the Company. The load at each transformer location must be sufficient to justify the use of one standard Company transformer or multiples thereof. Standard Company transformer sizes and secondary voltages for this application are: 167 kVA single-phase 120/240 V, 300 kVA three-phase 208Y/120 V and 300 kVA three-phase 480Y/277 V. Fuse cabinets and associated equipment will be furnished, owned and maintained by the Company at each transformer location. The fuse cabinets and associated equipment will be paid for and installed by the customer. The transformer locations must be suitable for the installation of dry type transformers and must be accessible for operation and maintenance. The installations must be approved by the Company and must meet code requirements.

Suitable access and means shall be provided for transformer, fuse cabinet and associated equipment replacement. The customer shall be responsible for all damages and personal liability arising out of or in connection with the installation of the Company's transformers, fuse cabinets and associated equipment and shall also take reasonable steps to prevent damage to the transformers, fuse cabinets and associated equipment when they are installed on his property.

The owner will pay the following charges to the Company:

(Continued on Sheet No. C-47.00)

(Continued from Sheet No. C-46.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.4 Underground Service Connections (Contd)

(a) $4.30 per trench foot of cable on private property between the primary switching equipment and the property lines nearest the point of connection to the Edison distribution system-plus any other Company charges for unusual conditions.

(b) The installed cost of the primary switchgear.

(c) $15 per kVA for all dry type transformers and $7.50 per kVA for pad-mount transformer.

(d) The delivered cost of the fuse cabinet and associated equipment.

(e) The developer or owner must provide suitable space and necessary foundations for pad-mounted transformer and the primary switchgear, etc., and he must provide for any trenching, conduit, or manholes acceptable to the Company.

(3) Metered Primary Voltage:

For underground primary (high voltage) services, the Company will extend its conduit to the property line. The customer will pay for the underground overhead cost differential for that portion of the off-site facilities that may be required to serve the customer. That part of the service connection on private property inside the property line will be owned and maintained by the customer. The design, construction and material for high voltage service shall be acceptable to the Company. In the case of commercial and industrial subdivisions, the costs, requirements, and agreements between the developer or owner and the Company will be set forth in Distribution for Commercial Subdivisions.

Subtransmission underground cables feeding Company-owned substations on private property will be furnished and maintained by the Company. The customer will provide trenching and install and maintain the conduit and manholes for these cables.

(4) Measurement:

Service laterals shall be measured from the pole or underground secondary terminal to which the service lateral is connected along the route of the lateral trench or conduit to the point of connection to the customer's facilities. No charge will be made for service laterals laid in the same trench with primary or secondary cables.

(Continued on Sheet No. C-48.00)

(Continued from Sheet No. C-47.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.5 Miscellaneous Customer Requests

A. Temporary Service

(1) The Company will furnish temporary service including a line extension, service connection and a transformer, as required. The applicant for the service shall pay the total cost including overheads of furnishing, installing and removing such temporary service equipment in excess of any salvage realized, in addition to charges for electric service rendered. The charges for electric service will be billed to the applicant at the applicable metered rate. When the applicant requires the installation of a transformer, the monthly charge for electric service render will not be less than the following:

(a) 48¢ per kVA of installed transformer capacity for the first 10kVA.

(b) 12¢ per kVA of installed transformer capacity in excess of 10kVA.

(2) The contract is an open order, terminable on three days written notice by either the applicant or the Company.

(3) When an unauthorized connection has been made which provides unmetered service to the customer, the Company shall charge the total cost including overheads as stated above for the "Temporary Service Connection," plus an amount to cover the Company's estimation of kilowatthour usage at the applicable rate.

B Moving of Buildings or Equipment

(1) When the Company is requested to assist in the moving of buildings or equipment through, under or over the Company's lines, the Company will require the mover to pay, in advance of providing such assistance, the estimated cost including direct costs and applicable overhead costs. The amount of the contribution required will be based upon the Company's estimate of the probable cost, but in no event will the required contribution be less than one crew hour. Upon completion of moving assistance, the Company will determine actual costs and will bill or credit the mover according to the difference between actual costs and the contribution, except that the minimum actual cost will not be less than one crew hour. In the event that the move is cancelled, or changed to require a re-study, twenty percent (20%) of the charge will be retained by the Company as a non-refundable amount to cover preparing for and planning the move. If the building mover proceeds with the move without an Edison escort, the total charge will be retained by the Company as a non-refundable amount to cover preparing for and planning the move plus a post move patrol of the route to identify any damages to the system caused by the mover. The building mover is also responsible to make payment for all work required to repair damages resulting from the move. Actual costs will be determined in accordance with the following:

(Continued on Sheet No. C-49.00)

(Continued from Sheet No. C-48.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.5 Miscellaneous Customer Requests (Contd)

(2) Within regular working hours:

(a) Average trade-grade wage rate applicable to employee(s) involved.

(b) Actual material used.

(c) Appropriate overhead charges.

(3) Outside regular working hours:

(a) Overtime trade-grade rate applicable to employee(s) involved.

(b) Actual materials used.

(c) Appropriate overhead charges.

C Relocation of Facilities

(1) The Company will cooperate with political subdivisions in the construction, improvement or rehabilitation of public streets and highways. It is expected that the Company will receive reasonable notice so that any required relocation work can be properly scheduled.

(2) If the Company's overhead or underground facilities are located within the confines of the public right-of-way, the Company will make the necessary relocation at its own expense except when:

(a) The facilities were originally installed within the confines of the public right-of-way at the request of the political entity.

(b) Existing facilities are within the confines of a new public right-of-way obtained after the construction of the Company's facilities.

(c) The facilities provide public service such as lighting, traffic signals, etc.

(3) If the Company's overhead or underground facilities are located on private property, the political subdivision must agree in advance to reimburse the Company for all expenses including overheads involved in relocating its facilities.

(Continued on Sheet No. C-50.00)

(Continued from Sheet No. C-49.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.5 Miscellaneous Customer Requests (Contd)

(4) When the Company is requested to relocate its facilities for reasons other than road improvements, payment may be required for the relocation from the firm, person or persons requesting the relocation. Before actual relocation work is performed, the Company will estimate the cost of moving the facilities and an advance nonrefundable contribution in aid of construction in the amount of the estimate must be received from the firm, person or persons requesting such relocation. A contribution in aid of construction will not be required in instances where:

(a) The relocation is made for the convenience of the Company.

(b) The relocation is associated with other regularly scheduled conversion or construction work at the same location and can be done at the same time.

C6.6 Accuracy of Test Standards

A The accuracies of all primary reference standards shall be certified as traceable to the National Institute of Standards and Technology (NIST), either directly or through other recognized standards laboratories. These standards shall have their accuracy certified at the time of purchase. Standard cells shall be intercompared regularly and shall have at least 1 of them checked by a standardizing laboratory at intervals of not more than 2 years. Reference standards of resistance, potentiometers, and volt boxes shall be checked at intervals of not more than 3 years.

B Secondary watthour meter standards shall not be in error by more than plus or minus 0.3% at loads and voltages at which they are to be used, and shall not be used to check or calibrate working standards, unless the secondary standard has been checked and adjusted, if necessary, within the preceding 6 months. Each secondary standard watthour meter shall have calibration data available and shall have a history card.

C Secondary standards indicating instruments shall not be in error by more than plus or minus 0.5% of indication at commonly used scale deflection and shall not be used to check or calibrate portable indicating instruments, unless the secondary standard has been checked and adjusted, if necessary, within the preceding 12 months. A calibration record shall be maintained for each standard.

D Regularly used working portable standard watthour meters shall be compared with a secondary standard at least once a month. Infrequently used working standards shall be compared with a secondary standard before they are used.

(Continued on Sheet No. C-51.00)

(Continued from Sheet No. C-50.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.6 Accuracy of Test Standards (Contd)

E Working portable standard watthour meters shall be adjusted so that their percent registration is within 99.7% and 100.3% at 100% power factor and within 99.5% and 100.5% at 50% lagging power factor at all voltages and loads at which the standard may be used. A history and calibration record shall be kept for each working standard.

F The meter accuracies required in this rule for all primary, secondary, and working standards shall be referred to 100%. Service measuring equipment shall be adjusted to within the accuracies required assuming the portable test equipment to be 100% accurate with the calibration correction taken into consideration.

C6.7 Metering Equipment Testing Requirements

A The testing of any unit of metering equipment shall consist of a comparison of its accuracy with a standard of known accuracy. Units which are not properly connected or which do not meet the accuracy or other requirements of these meter and metering equipment rules at the time of testing shall be reconnected or rebuilt to meet such requirements and shall be adjusted to within the required accuracy and as close to zero error as practicable or else their use shall be discontinued.

B Self-contained, single-phase meters, except combination meters (meters which include demand devices or control devices), shall be in compliance with all of the following requirements:

(1) Be checked for accuracy at unity power factor at the point where a meter is installed, at a central testing point, or in a mobile testing laboratory within a period of from 12 months before to 60 days after a meter is placed in service, except as provided for in Section C7.1 A, and not later than 6 months after 192 months of service for a surge-resistant meter and not later than 6 months after 96 months of service for a non-surge-resistant meter.

(2) Notwithstanding the provisions of subdivision (1) of this subrule, upon application to the commission and upon receipt of an order granting approval, the testing of self-contained, single-phase meters in service shall be governed by a quality control plan as follows:

(Continued on Sheet No. C-52.00)

(Continued from Sheet No. C-51.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.7 Metering Equipment Testing Requirements (Contd)

(a) Meters shall be divided into homogeneous groups by manufacturers' types, except as follows:

(i) Certain manufacturers' types shall be further subdivided into separate groups by manufacturers' serial numbers as follows: General Electric type I-30 shall be divided at serial number 20,241,829; Westinghouse type C shall be divided at serial number 16,350,000; Duncan type MF shall be divided at serial number 2,650,000; and Sangamo type J meters shall be divided starting with serial number 10,000,000.

(ii) Non-surge-resistant meters that are installed in non-urban areas shall be treated as separate groups by manufacturers' type.

(b) The meters in each homogeneous group shall then be further subdivided into lots of not less than 301 nor more than 10,000 meters each, except that meters of the most recent design may be combined into the aforementioned lots regardless of manufacturers' type, except that where the number of meters of a single type is 8,001 or more, such number of meters shall be segregated by types for the formation of lots.

(c) From each assembled lot, a sample of the size specified in table A-2, ANSI/ASQC Z1.9-1980, shall be drawn annually using inspection level IV. The sample shall be drawn at random.

(d) The meters in each sample shall be tested for accuracy pursuant to the provisions of these rules.

(e) The test criteria for acceptance or rejection of each lot shall be based on the test at heavy load only and shall be that designated for double specification limits and an acceptable quality level (AQL) that is not higher than 2.50 (normal inspection) as shown in table B-3, ANSI/ASQC Z1.9-1980.

(f) The necessary calculations shall be made pursuant to Example B-3 of ANSI/ASQC Z1.9-1980. The upper and lower specification limits, U and L, shall be 102% and 98%, respectively.

(Continued on Sheet No. C-53.00)

(Continued from Sheet No. C-52.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.7 Metering Equipment Testing Requirements (Contd)

(g) A lot shall be rejected if the total estimated percent defective (p), exceeds the appropriate maximum allowable percent defective (m) as determined from table B-3 as specified in paragraph (e) of this subdivision.

(h) All meters in a rejected lot shall be tested within a maximum period of 48 months and shall be adjusted pursuant to C7.4 or shall be replaced with meters which meet the requirements of C7.4.

(i) During each calendar year, new meter samples shall be drawn as specified in this subdivision from all meters in service, with the exception that lots that have been rejected shall be excluded from the sampling procedure until all meters included in the rejected lots have been tested.

(j) The Company may elect to adopt a mixed variables-attributes sampling plan as outlined in Section A9 of ANSI/ASQC Z1.9-1980, in which case, a lot that is not in compliance with the acceptability criteria of the variables sampling plan shall be resampled the following year using an attributes sampling plan. If the acceptability criteria of the attributes sampling plan are met, the lot shall be considered acceptable and shall be returned to the variables sampling plan the following year. If the acceptability criteria of the attributes sampling plan are not met, then that lot shall be rejected and all meters in the lot shall be tested and adjusted or replaced within a maximum period of 36 months after the second rejection.

(k) This plan does not alter the rules under which customers may request special tests of meters.

(3) Be checked for accuracy in all of the following situations:

(a) When a meter is suspected of being inaccurate or damaged.

(b) When the accuracy of a meter is questioned by a customer. (See Section C7.1)

(c) Before use if a meter has been inactive for more than 1 year after having been in service.

(d) When a meter has been removed from service and has not been tested within the previous 48 months.

(4) Be inspected for mechanical and electrical faults when the accuracy of the device is checked.

(Continued on Sheet No. C-54.00)

(Continued from Sheet No. C-53.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.7 Metering Equipment Testing Requirements (Contd)

(5) Have the register and the internal connections checked before the meter is first placed in service and when the meter is repaired.
(6) Have the connections to the customer's circuits checked when the meter is tested on the premises or when removed for testing.
(7) Be checked for accuracy at 50% power factor when purchased and after rebuilding.
(8) A meter need not be tested or checked for any reason, except on complaint, if the device was tested, checked, and adjusted, if necessary, within the previous 12 months.

C All single-phase meters that are not included in the provisions of subrule (b) of this rule, together with associated equipment, such as demand devices, control devices, and instrument transformer rated meters, shall be in compliance with all of the following requirements:

(1) Be checked for accuracy at unity power factor at the point where a meter is installed, at a central testing point, or in a mobile testing laboratory as follows:

(a) Within a period of from 12 months before to 60 days after a meter is placed in service, except as provided for in Section C7.1.

(b) Not later than 6 months after 144 months of service for a surge-resistant meter and not later than 6 months after 96 months of service for a non-surge-resistant meter.

(c) When a meter is suspected of being inaccurate or damaged.

(d) When the accuracy of a meter is questioned by a customer. See Section C6.7 H

(e) Before use when a meter has been inactive for more than 1 year after having been in service.

(f) When a meter is removed from service and has not been tested within a period equal to 1/2 of the normal test schedule.

(2) Be inspected for mechanical and electrical faults when the accuracy of the device is checked.

(3) Have the register and the internal connections checked before the meter is first placed in service and when the meter is repaired.

(4) Have the connections to the customer's circuits checked when the meter is tested on the premises or when removed for testing.

(Continued on Sheet No. C-55.00)

(Continued from Sheet No. C-54.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTDD)

C6.7 Metering Equipment Testing Requirements (Contd)

(5) Be checked for accuracy at 50% power factor when purchased and after rebuilding.

(6) A meter need not be tested or checked for any reason, except on complaint, if the device was tested, checked, and adjusted, if necessary, within the previous 12 months.

D All self-contained, 3-phase meters and associated equipment shall be in compliance with all of the following requirements:

(1) Be tested for accuracy at unity and 50% power factor as follows:

(a) Before being placed in service.

(b) Not later than 6 months after 120 months of service.

(c) When a meter is suspected of being inaccurate or damaged.

(d) When the accuracy of a meter is questioned by a customer. See Section C6.7 H.

(e) When a meter is removed from service.

(2) Be inspected for mechanical and electrical faults when the accuracy is checked.

(3) Have the register and internal connections checked before the meter is first installed, when repaired, and when the register is changed.

(4) Have the connections to the customer's circuits and multipliers checked when the equipment is tested for accuracy on the customer's premises.

E All transformer-rated, 3-phase meters and associated equipment shall be in compliance with all of the following requirements:

(1) Be checked for accuracy at unity and 50% power factor as follows:

(a) Before being placed in service.

(Continued on Sheet No. C-56.00)

(Continued from Sheet No. C-55.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTDD)

C6.7 Metering Equipment Testing Requirements (Contd)

(b) On the customer's premises within 60 days after installation, unless the transformers are in compliance with the specifications outlined in the American National Standards Institute standard ANSI C-57.13 of 1978 (R1987), which is adopted by reference in these rules and which is available from the Michigan Public Service Commission, P.O. Box 30221, Lansing, Michigan 48909, at a cost as of the time of adoption of this rule of 5 cents per page, plus $13.07 per hour of copying or from the American National Standards Institute, 1430 Broadway, New York, NY 10018, at a cost as of the time of adoption of this rule of $25.00, unless the transformers are of the 0.3 accuracy class, and unless the meter adjustment limits do not exceed plus or minus 1.5% at 50% power factor.

(c) Not later than 6 months after 72 months of service.

(d) When a meter is suspected of being inaccurate or damaged.

(e) When the accuracy is questioned by a customer. See Section C6.7 H.

(f) When a meter is removed from service.

(2) Be inspected for mechanical and electrical faults when the accuracy is checked.

(3) Have the register and internal connections checked before the meter is first placed in service and when the meter is repaired.

(4) Have the connections to the customer's circuits and multipliers checked when the equipment is tested for accuracy on the premises or when removed for testing and when instrument transformers are changed.

(5) Be checked for accuracy at 50% power factor when purchased and after rebuilding.

F Instrument transformers shall be tested in all of the following situations:

(1) When first received, unless a transformer is accompanied by a certified test report by the manufacturer.

(2) When removed from service.

(3) Upon complaint.

(Continued on Sheet No. C-57.00)

(Continued from Sheet No. C-56.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.7 Metering Equipment Testing Requirements (Contd)

(4) When there is evidence of damage.

(5) When an approved check, such as the variable burden method in the case of current transformers, made when the meter is tested indicates that a quantitative test is required.

G Demand meters shall be in compliance with both of the following requirements:

(1) Be tested for accuracy in all of the following situations:

(a) Before a meter is placed in service.

(b) When an associated meter is tested and the demand meter is a block interval non-recording type or a thermal type.

(c) After 2 years of service if the meter is of the recording type, but it is not required if the meter is of the pulse-operated type and the demand reading is checked with the kilowatthour reading each billing cycle.

(d) When a meter is suspected of being inaccurate or damaged.

(e) When the accuracy is questioned by a customer. See Section C6.7 H.

(f) When a meter is removed from service.

(2) Be inspected for mechanical and electrical faults when a meter is tested in the field or in the meter shop.

(3) ANSI/ASQC Z1.9-1980 is adopted by reference in these rules and is available from the Michigan Public Service Commission, P.O. Box 30221, Lansing, Michigan 48909, at a cost as of the time of adoption of this rule of 5 cents per page, plus $13.07 per hour of copying or from the American National Standards Institute, 1430 Broadway, New York, New York 10018, at a cost as of the time of adoption of this rule of $25.00.

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(Continued from Sheet No. C-57.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.7 Metering Equipment Testing Requirements (Contd)

H Customer-requested meter tests.

(1) The Company will make a test of any metering installation upon request of the customer if 12 months or more have elapsed since the last test of the meter in the same location. The test will consist of a test for accuracy, a check of the register, and a check of the meter connections on the customer's premises. A fee of $10.00 will be charged to the customer for all tests of the metering installation requested. If such test reveals meter registration outside of the limits allowed by these rules, the charge will be refunded and a billing adjustment made.

(2) The customer or his or her representative, may be present when his or her meter is tested.

(3) A report of the results of the test shall be made to the customer within a reasonable time after the completion of the test, and a record of the report, together with a complete record of each test, shall be kept on file at the office of the Company.

C6.8 Check of Standards by the Commission

A Upon request of the Commission, the Company shall submit 1 of its portable standard watthour meters and 1 portable indicating voltmeter, ammeter, and wattmeter to a Commission-approved standards laboratory for checking of their accuracy.

B Company shall normally check its own working portable standard watthour meters or instruments against primary or secondary standards and shall calibrate these working standards or instruments before they are submitted with a record of such calibration attached to each of the working standards or instruments.

C6.9 Metering Equipment Records

A A complete record of the most recent test of all metering equipment shall be maintained. The record shall show all of the following information:

(1) Identification and location of unit.

(2) Equipment with which the device is associated.

(3) The date of test.

(4) Reason for the test.

(Continued on Sheet No. C-59.00)

(Continued from Sheet No. C-58.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.9 Metering Equipment Records (Contd)

(5) Readings before and after the test.

(6) A statement as to whether or not the meter creeps and, in case of creeping, the rate.

(7) A statement of meter accuracies before and after adjustment sufficiently complete to permit checking of the calculations employed.

(8) Indications showing that all required checks have been made.

(9) A statement of repairs made, if any.

(10) Identification of the testing standard and the person making the test.

B The Company shall also keep a record for each unit of metering equipment which shows all of the following information:

(1) When the unit was purchased

(2) The unit's cost.

(3) The Company's identification.

(4) Associated equipment.

(5) Essential nameplate date.

(6) The date of the last test.

The record shall also show either the present service location with the date of installation or, if removed from service, the service location from which the unit was removed with the date of removal.

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(Continued from Sheet No. C-59.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.10 Determination of Average Error

If a metering installation is found upon any test to be in error by more than 2% at any test load, the average error shall be determined in 1 of the following ways:

A If the metering installation is used to measure a load which has practically constant characteristics, such as a streetlighting load, the meter shall be tested under similar conditions of load and the accuracy of the meter "as found" shall be considered as the average accuracy.

B If a single-phase metering installation is used on a varying load, the average error shall be the weighted algebraic average of the error at light load and the error at heavy load, the latter being given a weighing of 4 times the former.

C If a polyphase metering installation is used on a varying load, the average error shall be the weighted algebraic average of its error at light load given a weighing of 1, its error at heavy load and 100% power factor given a weighing of 4, and at heavy load and 50% lagging power factor given a weighing of 2.

D If a load, other than the light, heavy, and low power factor load specified for routine testing, is more representative of the customary use of the metering equipment, its error at that load shall also be determined. In this case, the average error shall be computed by giving the error at such load and power factor a weighing of 3 and each of the errors at the other loads (light, heavy, and 50% lagging power factor) a weighing of 1. Each error shall be assigned its proper sign.

C6.11 Adjustment of Bills Because of Meter Errors

A If a meter creeps, if a metering installation is found upon any test to have an average error of more than 2.0%, if a demand metering installation is found upon any test to have an average error of more than 1.0% in addition to the errors allowed under B-6.6, or if a meter registration has been found to be in error due to apparent tampering by person or persons known or unknown, an adjustment of bills for service for the period of inaccuracy shall be made in the case of over-registration and may be made in the case of under- registration.

B The amount of the adjustment shall be calculated on the basis that the metering equipment should be 100% accurate with respect to the testing equipment used to make the test. For single-phase watthour meters, the average accuracy shall be the arithmetic average of the percent registration at light load and at heavy load, giving the heavy load registration a weight of 4 and the light load registration a weight of 1. For polyphase meters, the average accuracy shall be the arithmetic average of the percent registration at light load given a weight of 1 and at heavy load and 100% power factor given a weight of 4 and at heavy load and 50% lagging power factor given a weight of 2.

(Continued on Sheet No. C-61.00)

(Continued from Sheet No. C-60.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.11 Adjustment of Bills Because of Meter Errors (Contd)

C If the date when the error in registration began can be determined, such date shall be the starting point for determination of the amount of the adjustment and shall be subject to subrule (l) of this rule.

D If the date when the error in registration began cannot be determined, it shall be assumed that the error has existed for a period equal to 1/2 of the time elapsed since the meter was installed or 1/2 of the time elapsed since the last test, whichever is later, except as otherwise provided in subrule (f) of this rule and subject to subrule (l) of this rule.

E Recalculation of bills shall be on the basis of the corrected monthly consumption.

F The error in registration due to creep shall be calculated by timing the rate of creeping and by assuming that this creeping affected the registration of the meter for 25.0% of the time since the meter was installed or since the last test, whichever is later.

G If the average error cannot be determined by test because of failure of part or all of the metering equipment, it is permissible to use the registration of check metering installations, if any, or to estimate the quantity of energy consumed based on available data. The customer shall be advised of the failure and of the basis for the estimate of the quantity billed. The same periods of error shall be used as explained in this rule.

H If the recalculated bills indicate that more than $1.00 is due an existing customer or that $2.00 is due a person who is no longer a customer of the Company, the full amount of the calculated difference between the amount paid and the recalculated amount shall be refunded.

I Refunds shall be made to the 2 most recent consumers who received service through the meter found to be in error. In the case of a previous consumer who is no longer a customer of the utility, a notice of the amount due shall be mailed to such previous consumer at his or her last known address, and the Company shall, upon demand made within 3 months thereafter, refund the same.

J If the recalculation of billing indicates that an amount due the utility is equal to or more than the amounts set forth in subrule (h) of this rule as minimum refunds, the utility may bill the customer for the amount due, subject to subrule (l) of this rule.

K Each utility may establish a policy whereby the minimum sum above which it will commence billing for amounts due to under-registration is more than the amounts set forth in subrule (h) of this rule as minimum refunds. The minimum sum established in the utility policy shall be applied in all cases of under- registration to determine whether the customer will be billed for the amount due the utility because of under-registration.

L Except in cases of tampering, the following limitations shall apply to the back- billing of residential, commercial, and industrial customers:

(Continued on Sheet No. C-62.00)

(Continued from Sheet No. C-61.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.11 Adjustment of Bills Because of Meter Errors (Contd)

(1) Backbilling of residential customers and commercial customers with single-phase 240 volt meters is limited to the 1-year period immediately preceding the discovery of the error. The customer shall be given a reasonable time in which to pay the amount of the backbilling and service shall not be discontinued during this time for nonpayment of the amount of the backbilling.

(2) Backbilling of industrial customers and commercial customers not included in subdivision (1) of this subrule is limited to the 1-year period immediately preceding discovery of the error except in instances where the Company has complied with the requirements set forth in these rules governing the frequency and conditions under which a meter shall be tested and the utility could not have detected the error through regular meter readings or the exercise of reasonable diligence in preparing and reviewing a customer's bills and records. In these instances, the Company may backbill a customer for a period of up to 3 years immediately preceding discovery of the error. The customer shall be given a reasonable time in which to pay the amount of the backbilling and service shall not be discontinued during this time for nonpayment of the amount of the backbilling.

C6.12 Reports to be Filed with the Commission

A The Company shall file with the commission, within 30 days after the first day of January of each year, a statement certified to by one of its officers that the Company has complied with all of the requirements set forth in these rules relating to meter standardizing equipment.

B For all meters that are not included in C6.7 B(2), the Company shall file with the commission, on or before the first day of April of each year, its annual tabulation of all its prior-to-adjustment meter test results covering the 12-month period ending December 31. The Company shall summarize, by meter type, all individual meters and overall light and heavy load prior-to-adjustment test results at the power factors as required by these rules. The summary shall be divided into heavy load 100% power factor, light load 100% power factor, and heavy load 50% power factor test results and shall also be divided according to the length of meter test period and types of single-phase and polyphase meters. The summary shall show the number of meters or overall tests found within each of the following accuracy classifications:

(1) No recording.

(2) Creeping.

(3) Equal to or less than 94.0%.

(Continued on Sheet No. C-63.00)

(Continued from Sheet No. C-62.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.12 Reports to be Filed with the Commission (Contd)

(4) 94.1 to 96.0%.

(5) 96.1 to 97.0%.

(6) 97.1 to 98.0%.

(7) 98.1 to 99.0%.

(8) 99.1 to 100.0%.

(9) 100.1 to 101.0%.

(10) 101.1 to 102.0%.

(11) 102.1 to 103.0%.

(12) 103.1 to 104.0%.

(13) 104.1 to 106.0%.

(14) Over 106.0%.

When the Company is subject to multiple state jurisdiction, these accuracy classifications may be modified upon approval of the Commission.

C For all meters that are included in C6.7 B(2) the Company shall file with the Commission, on or before the first day of April, all of the following:

(1) A summary of all samples of meter lots that pass the acceptability criterion as set forth in ANSI/ASQC Z1.9-1980, including complete data on the type of meter, number of meters in lot, size of sample, average months in service since last test, and the computed p (total estimated percent defective in lot) and the corresponding M (maximum allowance percent defective) as determined from table B-3 in ANSI/ASQC Z1.9-1980.

(2) The necessary calculations made pursuant to Example B-3 of ANSI/ASQC Z1.9-1980 shall be retained for each sample drawn. In addition to the actual computation, the data should include the type of meter, number of meters in lot, meter numbers of sample meters, actual prior-to-adjustment test data of each meter tested, and months since last test for each meter in sample. A sample of the aforementioned calculations and data for a lot that passes the acceptability criterion shall be included in the report to the commission.

(Continued on Sheet No. C-64.00)

(Continued from Sheet No. C-63.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.12 Reports to be filed with the Commission (Contd)

(3) A copy of the complete data, as outlined in subdivision (c) of this subrule shall be included for each meter lot that fails to pass the acceptability criteria of the sampling plan employed as set forth in ANSI/ASQC Z1.9-1980.

(4) A report summarizing the testing of all meters in rejected lots. The heavy load preadjustment tests only shall be recorded and the accuracy classifications as established in subrule (b) of this rule shall be used. Each rejected lot shall be reported separately and shall be separated into groups by the number of months since the last test as follows:

a. 0 to 48 months.

b. 49 to 72 months.

c. 73 to 96 months.

d. Over 96 months.

C6.13 Generating and Interchange Station Meter Tests

A Generating and interchange station and watthour meters shall be tested in conjunction with their associated equipment as follows:

(1) At least once every 24 months for generating station meters.

(2) At least once every 12 months for interchange meters.

B The accuracy limits for any particular device shall not be greater than the accuracy limits required elsewhere in these rules.

C6.14 Conversion from Master Metering to Direct Service Metering

A Apartment Buildings and Other Multiple Dwellings:

Where the owners of an apartment building or multiple dwelling choose to convert from a master metering installation to an individual tenant direct service utility metering installation, the Company, at its cost, shall provide the equipment and installation ordinarily provided for a newly constructed direct metered multi-dwelling.

(Continued on Sheet No. C-65.00)

(Continued from Sheet No. C-64.00)

C6 DISTRIBUTION SYSTEMS, LINE EXTENSIONS AND SERVICE CONNECTIONS (CONTD)

C6.14 Conversion from Master Metering to Direct Service Metering (Contd)

B Expiration of Master Meters:

All newly constructed duplexes, apartment buildings, mobile homes and multiple occupancy dwellings receiving electrical service on and after August 1, 1979 shall have individual tenant metering.

C7 GENERAL

The Company complies with all provisions of Order No. U-6400, Rules for Electrical Service, issued by the Michigan Public Service Commission except in the instance of its rules pertaining to electricity meters and certain related transactions with customers. The amended and revised rules relative to these exceptions are stated below.

C7.1 Meter and Associated Device Inspections and Tests

A Every meter and associated device shall be inspected and tested in the meter shop of the Company before being placed in service. The accuracy of each meter shall be certified to be within the tolerances permitted by these rules, except that the Company may rely on the certification of accuracy by the manufacturer on all new self-contained, single-phase meters.

B Meters with associated instrument transformers and phase shifting transformers shall be inspected to determine the proper operation and wiring connections. Inspections shall be made within 60 days after installation by a qualified person who, when possible, should be someone other than the original installer. All self-contained, socket-type meters are excluded from post-installation inspections, except that the original installation shall be inspected when the meter is installed.

C All meters and associated devices shall be tested after they are removed from service unless they are retired because of obsolescence.

(Continued on Sheet No. C-66.00)

(Continued from Sheet No. C-65.00)

C7 GENERAL (CONTD)

C7.2 Metering Electrical Quantities

A All electrical quantities that are to be metered as provided by the tariff shall be metered by commercially acceptable instruments which are owned and maintained by the Company.

B Every reasonable effort shall be made to measure at 1 point all the electrical quantities necessary for billing a customer under a given rate.

C Metering facilities located at any point where energy may flow in either direction and where the quantities measured are used for billing purposes shall consist of meters equipped with ratchets or other devices to prevent reverse registration and shall be so connected as to separately meter the energy flow in each direction.

D Reactive metering shall not be employed for determining the average power factor for billing purposes where energy may flow in either direction or where the customer may generate an appreciable amount of his or her energy requirements at any time, unless suitable directional relays and ratchets are installed to obtain correct registration under all conditions of operation.

E All electric service of the same type rendered under the same rate schedule shall be metered with instruments having like characteristics, except that the Commission may be requested to approve the use of instruments of different types if their use does not result in unreasonable discrimination. Either all of the reactive meters which may run backwards or none of the reactive meters used for measuring reactive power under 1 schedule shall be ratcheted.

C7.3 Nondirect Reading Meters and Meters Operating from Instrument Transformers

A Meters that are not direct reading and meters operating from instrument transformers shall have the multiplier plainly marked on the dial of the instrument or otherwise suitably marked. All charts and magnetic tapes taken from recording meters shall be marked with the date of the record, the meter number, customer, and chart multiplier.

B The register ratio shall be marked on all meter registers.

C The watthour constant for the meter itself shall be shown on all watthour meters.

(Continued on Sheet No. C-67.00)

(Continued from Sheet No. C-66.00)

C7 GENERAL (CONTD)

C7.4 Watthour Meter Requirements

A Watthour meters that are used for measuring electrical quantities supplied shall meet all of the following requirements:

(1) Be of proper design for the circuit on which the meters are used; be in good mechanical and electrical condition; and have adequate insulation, correct internal connections, and correct register.

(2) Not creep at no load with all load wires disconnected at a rate of 1 complete revolution of the moving element in 10 minutes when potential is impressed.

(3) Be accurate to within plus or minus 1.0%, referred to the portable standard watthour meter as a base, at 2 unity power factor loads: light load (l.l.) and heavy load (h.l.). Light load test current for self-contained meters is equal to 10% of the rated test amperes of the meter. Heavy load test current for self-contained meters is between 75% and 100% of the rated test amperes of the meter. Heavy load test current for transformer rated meters is between 75% and 200% of the rated test amperes of the meter. Light load test current for transformer rated meters is between 5% and 10% of the rated test amperes of the meter.

(4) Be accurate to within plus or minus 2.0%, referred to the portable standard watthour meter as a base, at inductive load (i.l.), approximately 50% lagging power factor. Inductive load test current is approximately equal to heavy load test current.

B Polyphase meters shall have their elements in balance within 2.0% at rated test amperes at unity power factor and at approximately 50% lagging power factor.

C Meters that are used with instrument transformers shall be adjusted so that the overall accuracy of the metering installation meets the requirements of this rule.

Meters and associated devices shall be adjusted as close as practical to zero error and within the accuracy limits specified in subrule (a) (3) of this rule.

(Continued on Sheet No. C-68.00)

(Continued from Sheet No. C-67.00)

C7 GENERAL (CONTD)

C7.5 Demand Meters, Registers, and Attachments; Requirements

A A demand meter, demand register, or demand attachment that is used to measure a customer's service shall meet all of the following requirements:

(1) Be in good mechanical and electrical condition.

(2) Have proper constants, indicating scale, contact device, recording tape or chart, and resetting device.

(3) Not register at no load.

(4) Be accurate to the following degrees:

(a) Curve-drawing meters that record quantity-time curves and integrated-demand meters shall be accurate to within plus or minus 2.0% of full scale throughout their working range. Timing elements measuring specific demand intervals shall be accurate to within plus or minus 2.0%, and the timing element which serves to provide a record of the time of day when the demand occurs shall be accurate to within plus or minus 4 minutes in 24 hours.

(b) Lagged-demand meters shall be accurate to within plus or minus 4.0% of full scale at final indication.

C7.6 Requirements as to Instrument Transformer

A Instrument transformers used in conjunction with metering equipment to measure a customer's service shall meet both of the following requirements:

(1) Be in proper mechanical condition and have satisfactory electrical insulation for the service on which used.

(Continued on Sheet No. C-69.00)

(Continued from Sheet No. C-68.00)

C7 GENERAL (CONTD)

C7.6 Requirements as to Instrument Transformer (Contd)

(2) Have characteristics such that the combined inaccuracies of all transformers supplying 1 or more meters in a given installation will not exceed the percentages listed in the following chart:

100% Power Factor		50% Power Factor	
10% Current	100% Current	10% Current	100% Current
1%	.75%	3%	2%

B Meters that are used in conjunction with instrument transformers shall be adjusted so that the overall accuracies will come within the limits specified in this part.

C Instrument transformers shall be tested with the meter with which they are associated by making an overall test or may be checked separately. If the transformers are tested separately, the meters shall also be checked to see that the overall accuracy of the installation is within the prescribed accuracy requirements.

D The results of tests of instrument transformers shall be kept on record and shall be available for use.

E Phase shifting transformers shall have secondary voltages under balanced line voltage conditions within plus or minus 1.0% of the voltage impressed on the primary side of the transformer.

C7.7 Portable Indicating Voltmeters

All portable indicating voltmeters that are used for determining the quality of service voltage to customers shall be checked against a suitable secondary reference standard at least once every 6 months. The accuracy of these voltmeters shall be rated so that the error of the indication is not more than plus or minus 1% of full scale. If the portable indicating voltmeter is found to be in error by more than the rated accuracy at commonly used scale deflections, it shall be adjusted.

(Continued on Sheet No. C-70.00)

(Continued from Sheet No. C-69.00)

C7 GENERAL (CONTD)

C7.8 Meter Testing Equipment

A The Company shall maintain sufficient laboratories, meter testing shops, secondary standards, instruments, and facilities to determine the accuracy of all types of meters and measuring devices used by the Company. The Company may, if necessary, have all or part of the required tests made or its portable testing equipment checked by another utility or agency approved by the Commission and having adequate and sufficient testing equipment to comply with these rules.

B At a minimum, the Company shall keep all of the following testing equipment available:

(1) One or more portable standard watthour meters of a capacity and voltage range adequate to test all watthour meters used by the Company.

(2) Portable indicating instruments that are necessary to determine the accuracy of all instruments used by the Company.

(3) One or more secondary standards to check each of the various types of portable standard watthour meters used for testing watthour meters. Each secondary standard shall consist of an approved portable standard watthour meter kept permanently at 1 point and not used for fieldwork. Standards shall be well compensated for both classes of temperature errors, shall be practically free from errors due to ordinary voltage variations, and shall be free from erratic registration due to any cause.

(4) Suitable standards, which are not used for fieldwork, to check portable instruments used in testing.

C The Company shall provide and use primary standards with accuracies traceable to the United States National Institute of Standards and Technology (NIST).

(Continued on Sheet No. C-71.00)

(Continued from Sheet No. C-70.00)

C8 SURCHARGES AND CREDITS APPLICABLE TO POWER SUPPLY SERVICE

C8.1 Power Supply Cost Recovery (PSCR) Clause

A This Power Supply Cost Recovery Clause permits the monthly adjustment of rates for power supply to allow recovery of the booked costs of fuel and purchased and net interchanged power transactions incurred under reasonable and prudent policies and practices in accordance with 1982 PA 304. All rates for electric service, unless otherwise provided in the applicable rate schedule, shall include a Power Supply Cost Recovery factor.

B The Power Supply Cost Recovery factor is that element of the rates to be charged for electric service to reflect power supply costs incurred by the company and made pursuant to the Power Supply Cost Recovery Clause.

C Effective January 14, 2009 the Power Supply Cost Recovery Factor shall consist of an increase or decrease of .01068 mills per kWh for each full .01 mill increase or decrease in the projected average booked cost of fuel burned for electric generation and purchased and net interchange power incurred above or below a base of 31.26 mills per kWh. Average booked cost of fuel burned and purchased and net interchange power shall be equal to the booked costs in that period divided by that period's net system kWh requirements. Net system kWh requirements shall be the sum of the net kWh generation and net kWh purchased and interchange power.

The following factor(s) were applied to bills rendered during the billing months as indicated below for the calendar years 2012 and 2013.

	2012		2013	
Billing Month	Maximum Authorized Factor ¢/kWh	Actual Factor Billed ¢/kWh	Maximum Authorized Factor ¢/kWh	Actual Factor Billed ¢/kWh
January	0.418	0.418	***0.474***	***0.474***
February	0.418	0.418	***0.474***	***0.474***
March	0.418	0.418	***0.474***	***0.474***
April	0.418	0.418		
May	0.418	0.418		
June	0.418	0.418		
July	0.418	0.418		
August	0.418	0.418		
September	0.418	0.418		
October	0.418	0.418		
November	0.418	0.418		
December	0.418	0.418		

The Company will file a revised Sheet No. C-71.00 monthly, or as necessary, to reflect the factor to be billed the following month.

(Continued on Sheet No. C-72.00)

(Continued from Sheet No. C-71.00)

C8 SURCHARGES AND CREDITS APPLICABLE TO POWER SUPPLY SERVICE (CONTD)

C8.2 ***HOLD FOR FUTURE USE***

C8.3 Enhanced Security Cost Surcharge (ESCS)

On April 3, 2007 the MPSC issued an order in Case No. U-15160 authorizing the ESCS. This surcharge is to recover costs for enhanced security measures incurred at electric generating facilities before January 1, 2006 pursuant to federal or state regulatory security requirements issued after September 11, 2001. The authorized amount has been recovered and the ESCS will terminate on a bills rendered basis effective January 1, 2012.

C8.4 Renewable Energy Plan Surcharge (REPS)

On June 2, 2009, in Case No. U-15806, the MPSC authorized the implementation of the Renewable Energy Plan Surcharge (REPS) in accordance with the Clean, Renewable, and Energy Efficiency Act, 2008 PA295. The REPS is a 20-year levelized surcharge to recover the incremental cost of compliance of the Company's Renewable Energy Plan under 2008 PA295. For all full-service metered customers the REPS is a per meter per month charge which is based on monthly energy consumption as shown in the schedule below. See Sheet C-73.00 for unmetered service. The REPS is effective for bills rendered on and after September 1, 2009.

Residential Rate Schedule:

Metered Service	$3.00 per meter per month

Commercial Secondary and Governmental Rate Schedules:

Metered Service

Monthly Consumption	Customer Surcharge
0 – 400 kWh per month	$4.00 per meter per month
401 – 850 kWh per month	$8.00 per meter per month
851 – 1,650 kWh per month	$12.00 per meter per month
Above 1,650 kWh per month	$16.58 per meter per month

Primary & Industrial Rate Schedules:

Metered Service

Monthly Consumption	Customer Surcharge
0 – 11,500 kWh per month	$16.58 per meter per month
11,501 – 41,500 kWh per month	$140.00 per meter per month
Above 41,500 kWh per month	$187.50 per meter per month

Notes:
(1) The REPS does not apply to ***Municipal Water Pumping Meters***.
(2) The REPS does not be apply to additional meters at a single site that were installed specifically to support interruptible air conditioning, interruptible water heating, net metering, or time-of-day tariffs.

(Continued on Sheet No. C-72.01)

(Continued from Sheet No. C-72.00)

C8.4.5 2010 CHOICE INCENTIVE MECHANISM (2010 CIM)

On December 6, 2011 in Case No. U-16756, the MPSC authorized the implementation of the 2010 Choice Incentive Mechanism. The 2010 CIM ***was*** effective for a 12 month period beginning with service rendered on and after January 1, 2012. ***The 2010 CIM is terminated for service rendered on and after January 1, 2013.***

(Continued on Sheet No. C-73.00)

(Continued from Sheet No. C-72.01)

C8.5 SURCHARGES AND CREDITS APPLICABLE TO POWER SUPPLY SERVICE: Summary of surcharges and credits including PSCR, pursuant to sub-rules C8.1, C8.2, C8.3, C8.4 and C8.4.5 of this rule. (Cents per kilowatthour or percent of base bill unless otherwise noted).

	PSCR (¢/kWh)	REPS (*1*)
Residential		
D1 Residential	0.474	See C8.4
D1.1 Int. Space Conditioning	0.474	See C8.4
D1.2 Time-of-Day	0.474	See C8.4
D1.3 Senior Citizen	0.474	See C8.4
D1.4 Time-of-Day	0.474	See C8.4
D1.5 Supp. Space Heating	0.474	See C8.4
D1.7 Time-of-Day	0.474	See C8.4
D1.8 Dynamic Peak Pricing	0.474	See C8.4
D1.9 Electric Vehicle	0.474	See C8.4
D2 Space Heating	0.474	See C8.4
D5 Water Heating	0.474	See C8.4
D9 Outdoor Lighting	NA	3.8%
Commercial		
D1.1 Int. Space Conditioning	0.474	See C8.4
D1.7 Space Conditioning	0.474	See C8.4
D3 General Service	0.474	See C8.4
D3.1 Unmetered	NA	3.2%
D3.2 Educ. Inst.	0.474	See C8.4
D3.3 Interruptible	0.474	See C8.4
D4 Large General Service	0.474	See C8.4
D5 Water Heating	0.474	See C8.4
D9 Outdoor Lighting	NA	3.2%
R3 Standby (Secondary)	0.474	See C8.4
R7 Greenhouse Lighting	0.474	See C8.4
R8 Space Conditioning	0.474	See C8.4
Industrial		
D6 Primary Supply	0.474	See C8.4
D6.1 Alternative Primary	0.474	See C8.4
D6.2 Educ. Inst.	0.474	See C8.4
D7 Special Manufacturing	0.474	See C8.4
D8 Interruptible Primary	0.474	See C8.4
D10 Schools	0.474	See C8.4
R1.1 Metal Melting	0.474	See C8.4
R1.2 Electric Process Heating	0.474	See C8.4
R3 Standby (Primary)	0.474	See C8.4
R10 Interruptible Supply	NA	See C8.4
Governmental		
E1 Streetlighting	NA	3.2%
E1.1 Energy Only	0.474	See C8.4
E2 Traffic Lights	NA	3.2%
Electric Choice		
EC2 Retail Access	NA	NA

Notes: (1) For REPS unmetered classes, % applies to base bill, NDS and EOS.

(Continued on Sheet No. C-74.00)

(Continued from Sheet No. C-73.00)

C9 SURCHARGES AND CREDITS APPLICABLE TO DELIVERY SERVICE

C9.1 Nuclear Decommissioning Surcharge (NDS)

On January 1987 MPSC Order authorized the establishment of an external trust fund to finance the decommissioning of Fermi 2 Power Plant when its operating license expires. The Order approves a decommissioning surcharge on customer bills under which the funds are collected. Pursuant to Commission Order U-10102 dated January 21, 1994, a revised surcharge became effective with service rendered on and after January 22, 1994. Further, pursuant to Commission Order U-16472 dated October 20, 2011, a revised surcharge became effective with service rendered on and after October 29, 2011.

C9.2 Securitization Bond Charge (SBC) and Securitization Bond Tax Charge (SBTC)

On January 4, 2001 in its Order U-12478, the MPSC authorized the issuance of securitization bonds enabling Detroit Edison's recovery of qualified costs in accordance with the Electric Choice and Electric Reliability Act of 2000. The issuance of the bonds reduced Detroit Edison's overall cost structure and the net cost savings were reflected in 5% reductions in all of Detroit Edison's retail rates. The Securitization Bond Charge was authorized by the MPSC and reflects the payment of principal and interest associated with the bonds as well as recovery of certain servicing and administrative costs. The Securitization Bond Tax Charge reflects the recovery of an income tax liability incurred by the Company arising from its collection of the Securitization Bond principal payments. The Securitization Bond and Securitization Bond Tax Charges are subject to an annual true-up. The current charges appear on Sheet No. C-77.00.

C9.3 Renewable Energy Program Surcharge (REPS)

On November 23, 2004, in its Order in Case No. U-13808, the MPSC authorized funding of a Renewable Energy Program for Detroit Edison through the implementation of a 5-cent per-meter, per billing-cycle surcharge on all meters within the Detroit Edison system for all customers whose rates are no longer capped, pursuant to 2000 PA 141 and then so forth as the caps expire for the remaining customers. This surcharge is effective November 24, 2004 for Commercial & Industrial (C&I) customers >= 15 kW, January 1, 2005 for C&I customers < 15 kW and January 1, 2006 for Residential customers. On August 31, 2006, in its Order approving a settlement agreement in Case No. U-14838, the MPSC suspended the Renewable Energy Program Surcharge until further order of the Commission.

C9.4 Choice Implementation Surcharge (CIS)

On November 23, 2004, in its Final Order in Case No. U-13808, the MPSC authorized a Choice Implementation Surcharge of 0.05 cents per kWh applicable to all metered sales of electricity, effective January 1, 2006. This surcharge recovers the costs associated with implementing the retail electric customer choice program. These costs were also approved by the MPSC in the following cases for the years indicated; Case No. U-12892 (2000), Case No. U-13341 (2001), Case No. U-13738 (2002), and Case No. U-14079 (2003). The Choice Implementation Surcharge was terminated effective for service rendered on and after November 1, 2010. ***The MPSC approved a refund of the CIS over-collection, including interest, in the Final Order in Case No. U-16813. A credit of (0.073) cents per kWh will apply to all metered sales for bills rendered in February 2012.***

(Continued on Sheet No. C-75.00)

(Continued from Sheet No. C-74.00)

C9 SURCHARGES AND CREDITS APPLICABLE TO DELIVERY SERVICE

C9.5 Choice Incentive Mechanism (CIM)

A The Choice Incentive Mechanism (CIM), which commenced on January 14, 2009, determines the change in total non-fuel revenue associated with increases or decreases in annual choice sales from a total "base" choice sales level of 1586 GWH. Annual CIM reconciliation filings will be filed on or before March 31 each year.

B In the event of a decrease in total non-fuel revenue, the total decrease in non-fuel revenue will first be reduced by a "deadband" modifier equal to $7 million. Recoverable non-fuel revenue is limited to 90% of this adjusted amount. Recoverable non-fuel revenue will be allocated to customer classes on an equal percent of revenue basis. Tariff specific surcharges apply only to full-service customers and will be based on a cents per kWh basis for metered customers and on a percent basis for unmetered customers. If the surcharges result in an over or under recovery of recoverable non-fuel revenues such over or under recovery will be deferred and included in the following CIM reconciliation filing.

C In the event of an increase in total non-fuel revenue, the total increase in non-fuel revenue will first be reduced by a "deadband" modifier equal to $7 million. The increase in non-fuel revenue is limited to 90% of this adjusted amount. The balance will be used to first reduce unrecovered regulatory asset balances related to the RARS mechanism (Section 10d(4)) costs.

D Changes in non-fuel revenue will be determined as follows:

	a **Actual Choice Sales GWH**	**b** **Base Choice Sales GWH**	**c** **Choice Sales Change GWH**	**d** **Non-Fuel Price ¢/kWh**	**e** **Increase/ Decrease in Non-Fuel Revenue**
• Residential	TBD	0	a-b	3.8	-c*d
• Commercial	TBD	807	a-b	3.8	-c*d
• Primary excl. Rate D7	TBD	779	a-b	3.6	-c*d
• Rate No. D7	TBD	0	a-b	2.7	-c*d
• Total	TBD	1586	a-b	N/A	Total

(1) In the event of a decrease in total non-fuel revenue, recoverable non-fuel revenue will be determined as described in paragraph B.

(2) In the event of an increase in total non-fuel revenue, the adjusted increase in non-fuel revenue available to reduce the regulatory asset balances related to the RARS mechanism (Section 10d(4)) costs will be determined as described in paragraph C.

E ***Pursuant to Commission Order U-16472 dated October 20, 2011, the Choice Incentive Mechanism is terminated as of the date of the order.***

(Continued on Sheet No. C-76.00)

(Continued from Sheet No. C-75.00)

C9 SURCHARGES AND CREDITS APPLICABLE TO DELIVERY SERVICE (CONTD)

C9.6 Energy Optimization Surcharge (EOS)

On June 2, 2009, in Case No. U-15806, the MPSC authorized the implementation of an Energy Optimization Surcharge (EOS) for electric customers in accordance with the Clean, Renewable, and Energy Efficiency Act, PA295 of 2008. The EOS will be used to fund energy efficiency programs for Detroit Edison customers. ***The EOS rates approved by the MPSC on December 20, 2012 in Case No. U-17049 will be effective beginning with bills rendered in January 2013.*** The total EOS for all residential customers is $0.00***2711*** per kWh or ***1.0%*** for unmetered service. The EOS for all metered Commercial, Industrial, LCC Contract and Governmental customers is a per meter, per month charge which is based on the total monthly energy consumption by rate as shown in the table below or ***0.9%*** for unmetered service.

Voltage	Monthly Consumption	Customers Without Self Directed Plans Energy Optimization Surcharge	Customers With Self Directed Plans Energy Optimization Surcharge
Secondary	0 – 850 kWh	$0.***71***/meter/month	$0.***06***/meter/month
Secondary	851 – 1,650 kWh	$***4.23***/meter/month	$0.***35***/meter/month
Secondary	Above 1,650 kWh	$***18.10***/meter/month	$***1.49***/meter/month
Primary	0 – 11,500 kWh	$***47.91***/meter/month	$***4.24***/meter/month
Primary	Above 11,500 kWh	$***499.89***/meter/month	$***41.98***/meter/month

C9.7 RESTORATION EXPENSE TRACKER MECHANISM (RET) SURCHARGE

On October 4, 2011, the MPSC issued an order in Case No. U-16578, approving the 2010 reconciliation of Detroit Edison's Restoration Expense Tracker (RET) and Line Clearance Tracker (LCT). These trackers allow Detroit Edison to collect from, or refund to customers, the difference between actual spending and a base level of storm restoration and line clearance costs. The surcharges authorized in the order will be applied to residential, commercial, industrial, and governmental bills for a three month period beginning with service rendered on and after November 1, 2011.

C9.7.6 VULNERABLE HOUSEHOLD WARMTH FUND (VHWF) CREDIT

On July 13, 2012, the MPSC issued an Order in case No. U-17027 authorizing a monthly VHWF Credit to be included on customer bills beginning with the August 2012 billing cycle. This per customer credit will continue until Detroit Edison self-implements any portion of a rate change requested in a future rate case, should self-implementation occur, or until the MPSC approves new base rates. The purpose of the VHWF Credit is to remove funding for the Vulnerable Household Warmth Fund from base rates.

(Continued on Sheet No. C-77.00)

(Continued from Sheet No. C-75.00)

C9 SURCHARGES AND CREDITS APPLICABLE TO DELIVERY SERVICE (CONTD)

C9.7.7 RATE REALIGNMENT ADJUSTMENT (U-16472 RRA):

On December 20, 2011, in its Order in Case No. U-16472, the MPSC authorized a U-16472 RRA Surcharge/Credit. The purpose of this surcharge/credit is to adjust rates closer to the cost of providing service to each customer class. The U-16472 RRA is effective for service rendered on and after October 1, 2012.

(Continued on Sheet No. C-77.00)

(Continued from Sheet No. C-76.01)

C9 SURCHARGES AND CREDITS APPLICABLE TO DELIVERY SERVICE: (CONTD)

C9.8 Summary of Surcharges and Credits: Summary of surcharges and credits, pursuant to sub-rules C9.1, C9.2, C9.3, C9.4, C9.5 C9.6 and C9.7 of this rule. Cents per kilowatthour or percent of base bill, unless otherwise noted.

	NDS ¢/kWh	SBC ¢/kWh	SBTC ¢/kWh	EOS(2) ¢/kWh	U-16472 RRA (5) ¢/kWh	Total Delivery Surcharges ¢/kWh	VHWF (3) $/Customer
Residential							
D1 Residential	0.0778	0.428	0.255	***0.2711***	0.1604	***1.1923***	($1.59)
D1.1 Int. Space Conditioning	0.0778	0.428	0.255	***0.2711***	0.1773	***1.2092***	N/A
D1.2 Time-of-Day	0.0778	0.428	0.255	***0.2711***	0.1941	***1.2260***	($1.59)
D1.3 Senior Citizen	0.0778	0.428	0.255	***0.2711***	0.1122	***1.1441***	($1.59)
D1.4 Time-of-Day	0.0778	0.428	0.255	***0.2711***	0.1654	***1.1973***	($1.59)
D1.5 Supp. Space Heating	0.0778	0.428	0.255	***0.2711***	0.1705	***1.2024***	N/A
D1.7 Time-of-Day	0.0778	0.428	0.255	***0.2711***	0.0875	***1.1194***	N/A
D1.8 Dynamic Peak Pricing	0.0778	0.428	0.255	***0.2711***	0.1604	***1.1923***	($1.59)
D1.9 Electric Vehicle	0.0778	0.428	0.255	***0.2711***	0.1604	***1.1923***	N/A
D2 Space Heating	0.0778	0.428	0.255	***0.2711***	0.1787	***1.2106***	($1.33)
D5 Wtr Htg	0.0778	0.428	0.255	***0.2711***	0.1298	***1.1617***	N/A
D9 Outdoor Lighting	0.215%	see note 1	see note 1	1.0%	0.37%		N/A
Commercial							
D1.1 Int. Space Conditioning	0.0778	0.428	0.255	See C9.6	(0.1349)		N/A
D1.7 Space Conditioning	0.0778	0.428	0.255	See C9.6	(0.0973)		N/A
D1.8 Dynamic Peak Pricing	0.0778	0.428	0.255	See C9.6	(0.2009)		($1.35)
D3 General Service	0.0778	0.428	0.255	See C9.6	(0.2009)		($1.35)
D3.1 Unmetered	0.551%	see note 1	see note 1	0.9%	(1.77%)		(0.3%)
D3.2 Educ. Inst.	0.0778	0.428	0.255	See C9.6	NA		($2.64)
D3.3 Interruptible	0.0778	0.428	0.255	See C9.6	(0.1420)		N/A
D4 Large General Service	0.0778	0.428	0.255	See C9.6	(0.2442)		($1.26)
D5 Wtr Htg	0.0778	0.428	0.255	See C9.6	(0.1251)		N/A
D9 Outdoor Lighting	0.215%	see note 1	see note 1	0.9%	0.36%		N/A
R3 Standby Secondary	0.0778	0.428	0.255	See C9.6	(0.2079)		N/A
R7 Greenhouse Lighting	0.0778	0.428	0.255	See C9.6	(0.1062)		N/A
R8 Space Conditioning	0.0778	0.428	0.255	See C9.6	(0.1759)		N/A
Industrial							
D6 Primary Supply	0.0778	0.428	0.255	See C9.6	(0.1532)		($1.30)
D6.1 Alternative Primary	0.0778	0.428	0.255	See C9.6	(0.1031)		($1.30)
D6.2 Educ. Inst.	0.0778	0.428	0.255	See C9.6	NA		($2.22)
D7 Transitional Primary	0.0778	0.428	0.255	See C9.6	0.0676		($1.33)
D8 Interruptible Primary	0.0778	0.428	0.255	See C9.6	(0.1131)		($1.34)
R1.1 Metal Melting	0.0778	0.428	0.255	See C9.6	(0.2510)		($0.15)
D10 Schools	0.0778	0.428	0.255	See C9.6	(0.1532)		($1.30)
R1.2 Electric Process Heating	0.0778	0.428	0.255	See C9.6	(0.2495)		($0.15)
R3 Standby Primary	0.0778	0.428	0.255	See C9.6	(0.2079)		N/A
R10 Interruptible Supply	0.0778	0.428	0.255	See C9.6	0.4317		($1.22)

(Continued on Sheet No. C-77.01)

(Continued from Sheet No. C-77.00)

C9 SURCHARGES AND CREDITS APPLICABLE TO DELIVERY SERVICE: (CONTD)

C9.8 Summary of Surcharges and Credits (Contd):

	NDS ¢/kWh	SBC ¢/kWh	SBTC ¢/kWh	EOS(2) ¢/kWh	*U-16472 RRA (5)* ¢/kWh	*VHWF* (3) $/Customer
Governmental						
E1 Streetlighting	0.172%	See note 1	See note	***0.9***%	0.36%	N/A
E1.1 Energy Only	0.0778	0.428	0.255	See C9.6	(0.1167)	($1.35)
E2 Traffic Lights	0.928%	See note 1	See note 1	***0.9***%	0.36%	(0.1%)
Electric Choice						
EC2 Secondary	0.0778	0.428	0.255	See C9.6	See Note (6)	See Note 4
EC2 Primary	0.0778	0.428	0.255	See C9.6	NA	See Note 4

Notes: (1) The SBC and SBTC are included in this tariff's base rates and will be separately accounted for by Detroit Edison for remittance to the Detroit Edison Securitization Funding L.L.C. (2) For EOS unmetered classes, % applies to base bill and NDS. (3) For VHWF unmetered classes, % applies to total base bill, NDS, EOS, REPS and 2010 CIM. (4) Credit issued to Electric choice customers is based on their service rate. (5) For U-16472 RRA unmetered classes, % applies to total bill before taxes. (6) Applicable to residential choice service only.

(Continued on Sheet No. C-78.00)

(Continued from Sheet No. C-77.01)

C10 TAX ADJUSTMENT AND FRANCHISE FEES

Bills to customers receiving service within the limits of political subdivisions which levy special license fees, franchise fees or any other such fee against the Company or its operation or the production or sale of electric energy shall be increased to offset such special fee or any new or increased special fee, thereby preventing other customers from being compelled to share such local fees.

C11 SCHEDULE OF ON-PEAK HOURS

For Large General Service Rate-D4;
Primary Supply Rate-D6;
Alternative Primary Supply Rate-D6.1;
Interruptible Supply Rate-D8;
Standard Contract Rider-R3

On-peak hours are those hours between 1100 hours and 1900 hours each day, Monday through Friday, legal holidays excluded.

The following will be considered legal holidays for the purpose of applying this schedule: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day. "Monday" holidays, where legally recognized, will be recognized in place of the "traditional" holidays.

Schedule of on-peak hours also applies to on-peak and off-peak kWh charges.

C12 POWER FACTOR DETERMINATION

Where the filed rate requires a determination of power factor, the Company will install a lagging reactive component meter in addition to the kilowatthour meter used for the measurement of energy. From the readings of these two meters, the power factor for the regular billing period will be determined according to the following table:

(Continued on Sheet No. C-79.00)

(Continued from Sheet No. C-78.00)

C12 POWER FACTOR DETERMINATION (CONTD)

C12.1 Ratio of Registration of Reactive Component Meter to Registration of Kilowatthour Meter Power Factor

1.021 and higher		699 and lower
1.020 to .883	.	700 to 749
.882 to 752	.	750 to 799
.751 to .622		.800 to .849
.621 to .000	.	850 to 1.000

Power Factor: A penalty will be applied to all metered quantities in accordance with the following table:

POWER FACTOR	PENALTY
.850 and higher	None
.800 to .849	1%
.750 to .799	2%
.700 to .749	3%

Power factors less than .700 are not permitted and necessary corrective equipment must be installed by the customer. A 25% penalty will be applied to any billing after two consecutive months below .700 power factor and will continue as long as the power factor remains below .700. The first two consecutive months below .700, the penalty will be 3%. Once the customer's power factor exceeds .700, it is necessary to go through two consecutive months below .700 again before the 25% penalty applies.

(Continued on Sheet No. C-80.00)

(Continued from Sheet No. C-79.00)

C13 DEFINITION OF CUSTOMER VOLTAGE LEVEL

C13.1 Transmission Voltage Level – 120 kV and above

A customer is defined as taking service at the transmission voltage level when he is served directly from the transmission system at 120 kV or above, or from the transmission system through a Company-owned substation dedicated or primarily providing service to the customer and located on or immediately adjacent to the customer's premises.

C13.2 Subtransmission Voltage Level - 24 kV to 41.6 kV

A customer is defined as taking service at the subtransmission voltage level when he is served directly from the subtransmission system at voltages from 24 kV to 41.6 kV or from the subtransmission system through a Company-owned substation dedicated or primarily providing service to the customer and located on or immediately adjacent to the customer's premises.

C13.3 Primary Service - Less Than 24 kV

A customer is defined as taking primary service when he is served directly from the primary distribution system at a nominal voltage between 4.8 kV and 13.2 kV who does not qualify as either a transmission voltage customer or a subtransmission voltage customer.

C14 LOW INCOME ENERGY AFFORDABILITY DEMONSTRATION PROJECT

(A) Defined terms used in this Low-Income Energy Affordability Demonstration Project (LIEADP) are as follows:

Account default means a LIEADP customer's failure to pay monthly LIEADP installment amounts causing the LIEADP customer's electric service to be subject to disconnection by a utility for nonpayment or actually disconnected for nonpayment.

Active LIEADP customer means a low income customer who is both currently enrolled in the LIEADP and currently using utility service.

Arrearage credit amount means the amount that would reduce the enrolled LIEADP customer's accrued arrearages to zero as determined based on the customer's accrued arrearages at the time the customer enrolls in the LIEADP program. Arrearage credits will be applied against customer arrearages only.

Current bill balance means for each monthly billing cycle for a LIEADP customer, the difference between such customer's monthly LIEADP installment amount and the actual amount billed for electric service for the billing cycle.

Customer payment means, for purposes of this LIEADP, a payment of a monthly LIEADP installment made from the customer's financial resources.

LIEADP annual reverification date means the calendar date at or before twelve months from the LIEADP customer's LIEADP verification date or most recent LIEADP annual reverification date.

LIEADP customer means a low income customer who participates in the Low Income Energy Affordability Demonstration Project.

LIEADP Grant Funds means the funds disbursed as part of the Low Income Energy Affordability Demonstration Project Grant.

LIEADP project term means the time period during which the Low Income Energy Affordability Demonstration Project tariff is effective.

(Continued on Sheet No. C-82.00)

(Continued from Sheet No. C-81.00)

C14 LOW INCOME ENERGY AFFORDABILITY DEMONSTRATION PROJECT (CONTD)

LIEADP verification date means the actual date on which the LIEADP customer's documentation on his or her household income and household size is accepted as qualifying the customer to participate in the LIEADP program.

Eligible low income customer means a residential utility customer whose household income does not exceed two hundred percent (200%) of the federal poverty guidelines as published by the United States Department of Health and Human Services. A customer will be considered to meet the income eligibility requirement if either (a) the customer's household income for the three months prior to enrollment, if annualized, is two hundred percent or less than the federal poverty guideline for the corresponding household size, or (b) the customer's actual household income for the twelve months prior to enrollment is two hundred percent or less than the federal poverty guideline for the corresponding household size. Additionally, to be an eligible low income customer, the customer must be in arrears and those arrearages must not have accrued as a result of theft or unauthorized use.

Energy Optimization, Energy Efficiency and Weatherization Services means those services offered by utilities or local agencies to provide energy efficiency education, programs and rebates designed to help consumers better manage their energy usage.

Federal poverty guidelines means the poverty guidelines updated periodically in the Federal Register by the United States Department of Health and Human Services under the authority of 42 U.S.C. 9902(2).

Household income means the total gross income before taxes of all household members except earned income of dependent minors under eighteen years old and any income expressly excluded under federal rules for the administration of the Low Income Home Energy Assistance Program (LIHEAP). Gross household income includes, but is not limited to, wages, interest, dividends, annuities, and pensions.

Local agency means a community action agency or other local service provider that assists with the administration of low-income customer assistance programs at the local level.

Low Income Energy Affordability Demonstration Project or LIEADP means the pilot demonstration project designed to address energy affordability within Michigan's low-income residential customer class funded by a Low Income Energy Efficiency Grant awarded by the Commission.

Monthly LIEADP installment amount means for each LIEADP customer, the amount of such customer's household income to be paid each month for electric service.

On-time payment means, for purposes of the LIEADP, a LIEADP installment received by the utility prior to the date that the next bill for electric service is issued.

(Continued on Sheet No. C-83.00)

(Continued from Sheet No. C-82.00)

C14 LOW INCOME ENERGY AFFORDABILITY DEMONSTRATION PROJECT (CONTD)

Unauthorized use of a utility service means theft, fraud, interference, or diversion of service, including but not limited to meter tampering (any act which affects the proper registration of service through a meter), by-passing (unmetered service that flows through a device connected between a service line and customer-owned facilities), and service restoration by anyone other than the utility or its representative.

(B) Participation in the Low-Income Energy Affordability Demonstration Project program will be limited to 3,000 eligible low income customers. Customers will be selected to participate based under the provisions of the Low Income Energy Affordability Demonstration Project approved by the Commission.

(C) The LIEADP project term will commence the day after Michigan Public Service Commission approval of the LIEADP tariff and will terminate the earlier of December 31, 2012 or the date the LIEADP grant funds are exhausted. LIEADP customers will be notified if termination occurs prior to December 31, 2012.

(D) Customers will be required to document personal identification, household income and household size to demonstrate eligibility for participation in the LIEADP. The date of verification will establish the LIEADP verification date. To continue participation in the LIEADP for the entire LIEADP project term, LIEADP customers will be required to document income on an annual basis by the LIEADP annual reverification date.

(E) Customers eligible to participate under the Winter Protection Plan, Rule B2, Consumer Standards and Billing Practices for Electric and Gas Residential Service, Part 9, will be required to waive their rights to participate under the Winter Protection Plan in order to participate in the Low-Income Energy Affordability Demonstration Project program.

(F) Customer payment for participating eligible low income customers will be based on household income compared with Federal poverty guidelines with a minimum payment requirement of $15 per month.

(1) LIEADP payments will be based on the following:

Federal poverty guidelines	***Percentage of Income Payment***
0% – 100%	***The greater of 2% of household income paid in 12 equal monthly payments or a minimum payment of $15 per month***
101% - 150%	***The greater of 3% of household income paid in 12 equal monthly payments or a minimum payment of $15 per month***
151% - 200%	***Current annual bill amount paid in 12 equal monthly payments***

(Continued on Sheet No. C-84.00)

(Continued from Sheet No. C-83.00)

C14 LOW INCOME ENERGY AFFORDABILITY DEMONSTRATION PROJECT (CONTD)

(2) LIEADP customers shall be required to remit their monthly LIEADP installment amounts directly to the utility each month. Utilities shall not charge late payment fees to any LIEADP customer as long as such customer continues to be an active LIEADP customer.

(G) Customers participating in the LIEADP will not accrue an arrearage balance for the current bill balance for each month that the LIEADP customer pays the full monthly LIEADP installment amount.

(H) For each month that the customer pays the full monthly LIEADP installment amount, the current bill balance will be offset by a payment from the LIEADP grant funds provided by a local agency.

(I) To promote energy efficient usage, continued participation in the LIEADP for customers exceeding 115% of historical weather normalized consumption on an annualized basis is at the discretion of the local agency or utility. Historical weather normalized consumption is based on the twelve months of consumption prior to acceptance in the LIEADP.

(J) Customers participating in the LIEADP will receive an arrearage credit equal to historical arrearages at the time of acceptance in the LIEADP program.

(K) Any customer enrolling in the LIEADP program shall also apply to participate in any other energy assistance program for which such customer may be eligible. If a customer is determined to be eligible for energy assistance through other programs, then as a condition of continuing eligibility for the LIEADP program, such customer shall actively participate in any such energy assistance programs that do not require payment from the customer as a condition for participation. Any funds received from these programs will be applied against the customer's bill balance, but will not reduce the LIEADP monthly installment payment.

(L) Any LIEADP customer who is the owner of a residence for which energy optimization, energy efficiency and weatherization services are offered through the LIEADP program shall be required to accept such services as a condition for continuing eligibility for the LIEADP program. If a LIEADP customer resides in a rental property and energy optimization, energy efficiency or weatherization services are offered through the LIEADP for such rental property, such LIEADP customer shall be required to accept such services as a condition for continuing eligibility for the LIEADP program unless the residence owner refuses consent for energy efficiency and weatherization services. A LIEADP customer shall not be required to accept energy optimization, energy efficiency and weatherization services that require payment by the customer. The obligation of a LIEADP customer to accept energy optimization, energy efficiency and weatherization services as provided in this program shall continue as long as the LIEADP customer continues to participate in the LIEADP program.

(Continued on Sheet No. C-85.00)

(Continued from Sheet No. C-84.00)

C14 LOW INCOME ENERGY AFFORDABILITY DEMONSTRATION PROJECT (CONTD)

(M) The utility, a local agency, or other agent or contractor, may (but shall not be required to) send reminders to LIEADP customers in advance of bill due dates to make on-time payments. Payment reminders may be given by telephone, mail, electronic mail or any other communications method.

(N) Customers must make themselves available to discuss utility bills, consumption behavior, and provide program feedback to the utility or local agency to remain eligible for the LIEADP program.

(O) Any LIEADP customer who is offered through the LIEADP program consumer education programs shall be required to accept such services as a condition for continuing eligibility for the LIEADP program. These programs will be made available to customers at their local agencies, readily accessible in their local communities, or offered locally by their electric utility.

(P) Eligibility following account default or disconnection by a utility.

(1) Account default.

(a) If a LIEADP customer fails to pay monthly LIEADP installment amounts and such non-payment causes the customer's eletric service to be subject to disconnection by the utility for non-payment or actually disconnected by the utility for non-payment, it shall be the responsibility of the LIEADP customer to avoid disconnection by paying the LIEADP installment minimum amount due or to have service reconnected as provided by the Commission in Rule B2, Consumer Standards and Billing Practices for Electric and Gas Residential Service, Part 8, Restoration of service (R 460.144). For purposes of this program, the minimum amount to avoid disconnection or to reconnect includes any past due monthly LIEADP installment amounts and other charges the utility is permitted to collect from a customer to avoid disconnection or to reconnect utility service under the Commission's rules. A customer will cease to be an active LIEADP customer if a utility disconnects service to such LIEADP customer for non-payment and utility service remains disconnected for two billing months. A LIEADP customer who has ceased to be an active LIEADP customer as a result of disconnection for non-payment shall be ineligible to participate in the LIEADP program until such customer pays any delinquent amounts including any past due monthly LIEADP installment amounts, and other charges the utility is permitted to impose to reconnect service as provided in R 460.144 (or any successor rule of substantially the same effect). The requirement for a customer to pay delinquent amounts and reconnect charges is a condition to re-enroll in the LIEADP program.

(Continued on Sheet No. C-86.00)

(Continued from Sheet No. C-85.00)

C14 LOW INCOME ENERGY AFFORDABILITY DEMONSTRATION PROJECT (CONTD)

(b) Upon the second account default, the LIEADP customer's participation in the LIEADP program will be suspended for failure to comply with program requirements and such customer will cease to be an active LIEADP customer. The utility will issue a written notice to the affected customer, and the customer will have thirty days after the date of the notice to pay past due monthly LIEADP installment amounts and any other charges the utility is permitted to impose to reconnect service as provided in R 460.133 (or any successor rule of substantially the same effect) if the service has been disconnected. If past due monthly LIEADP installment amounts and any permitted reconnect charges are not paid within thirty days of the date of the notice, the customer will be terminated from the LIEADP program. A LIEADP customer who has been terminated from the LIEADP program will no longer be eligible for participation in the LIEADP program during the LIEADP project term. Upon a third account default, the customer's participation in the LIEADP program will terminate for failure to comply with program requirements and the customer will be ineligible for further participation in the LIEADP program during the LIEADP project term. Upon the third account default, the utility will issue a written termination notice to the affected customer.

(2) Disconnection for unauthorized use of utility service.

If a utility disconnects service to the residence of a LIEADP customer as permitted by Commission rules due to unauthorized use of utility service, the customer shall cease to be eligible to participate in the LIEADP program during the LIEADP project term. No charges for utility service accrued during any period that the customer is ineligible to participate in the LIEADP program, including costs associated with disconnection for unauthorized use of utility service, shall be charged to or paid from the LIEADP Grant funds. This provision is not intended and should not be interpreted as creating new or different standards or procedures for utility response to unauthorized use of utility service or in any determination that unauthorized use of utility service has occurred. This provision addresses only the effect of unauthorized use of utility service, as those acts may be defined by Commission rules, on eligibility to participate in the LIEADP program and reflects that households that participate in unauthorized use of utility service should not benefit from low income assistance made available through the LIEADP program.

(Q) In the event that there is an allegation of fraudulent enrollment regarding a LIEADP customer, the local agency and/or the utility will investigate such allegation. In the event the local agency and/or the utility finds that a LIEADP customer is enrolled in the LIEADP program or continues to participate in the LIEADP program as a result of fraud or deception by the customer or any consumer who is a member of the customer's household, such customer's enrollment in the LIEADP program will be terminated with immediate effect, the customer will be required to make restitution of all payments made from the LIEADP Grant Fund for the benefit of such customer during the period the customer was fraudulently enrolled in the LIEADP program, and the arrearage credits received by such customer during the period the customer was fraudulently enrolled in the LIEADP program will be reversed. In addition, any such customer found to have fraudulently enrolled in the LIEADP program shall be ineligible to participate in the LIEADP program for the remainder of the LIEADP project term.