



PRESS RELEASE

FOR IMMEDIATE RELEASE

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THE EMPIRE DISTRICT ELECTRIC COMPANY FILES REQUEST TO IMPLEMENT DEMAND-SIDE MANAGEMENT PROGRAMS WITH MISSOURI PUBLIC SERVICE COMMISSION

JOPLIN, MO. (October 29, 2013) – The Empire District Electric Company (NYSE: EDE), today filed a request with the Missouri Public Service Commission (MPSC) to implement a portfolio of demand-side management programs. The request, subject to regulatory approval, would implement new energy efficiency programs for customers in 2014. Empire continues to actively develop and promote programs to help its customers save energy.

The request also includes a Demand-Side Program Investment Mechanism (DSIM) that will be added to monthly Empire bills when the new programs are approved for implementation. This additional DSIM charge recovers the cost associated with the new programs and establishes a benefit-sharing mechanism enabling the customer and the Company to benefit from demand-side program savings.

The DSIM charge will appear as a new line-item on customers' bills and be based on the number of kilowatt hours used each month. Under Empire's proposal, the DSIM rate will be reviewed and adjusted by the Commission annually to account for any changes in the actual cost of the energy efficiency programs. Under the efficiency program spending levels proposed by Empire and the DSIM, a Missouri residential customer using 1,000 kWh per month can expect to see an increase of about \$1.85 per month, or approximately 1.46 percent, beginning with the Commission's approval of the new programs.

(more)

By helping customers use energy more efficiently, Empire can more effectively manage energy demand, keep long-term costs more affordable, support environmental initiatives, and defer the construction of new power plants.

Customers may learn more about efficiency programs by visiting Empire's Web site, www.empiredistrict.com, or by calling 800-206-2300.

Based in Joplin, Missouri, The Empire District Electric Company (NYSE: EDE) is an investor-owned, regulated utility providing electricity, natural gas (through its wholly owned subsidiary The Empire District Gas Company), and water service, with approximately 215,000 customers in Missouri, Kansas, Oklahoma, and Arkansas. A subsidiary of the company provides fiber optic services. For more information regarding Empire, visit www.empiredistrict.com.

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The Empire District Electric Company
Example Customer Billing Detail
Adjusted for DSIM

Account Detail

Electric 000011-11-001		For Service at 101 Main Street, Anywhere, MO 11111			
Read for : 00118237 From 07/01/14 to 7/31/ 14 (31 Days) Curr Read - 13701 Prev Read - 12701. Totaling 1,000 Kwh					
7/31/2013	Customer Charge	1x12.52		\$	12.52
7/31/2013	Usage Charge	600 Kwh x	0.11490	\$	68.94
7/31/2013	Usage Charge	400 Kwh x	0.11490	\$	45.96
7/31/2013	Fuel Adjustment Charge	1000 Kwh x	(0.00099)	\$	(0.99)
7/31/2013	Energy Efficiency Program Cost	1000 Kwh x	0.00027	\$	0.27
7/31/2013	MEEIA Energy Efficiency Program Cost	1000 Kwh x	0.00185	\$	1.85
7/31/2013	Anywhere County Tax	\$ 128.55 x.00875		\$	1.12
Current Months Charges:				\$	129.67
Billed Charges:				\$	129.67

P.S.C. Mo. No. 5 Sec. Revised Sheet No.

Canceling P.S.C. Mo. No. 5 Sec. Revised Sheet No.

For ALL TERRITORY

DEMAND-SIDE INVESTMENT MECHANISM RIDER

DSIM RIDER

APPLICATION

The Demand-Side Programs Investment Mechanism Rider ("DSIM Rider") shall be applied to all Missouri retail rate schedules with the exception of lighting schedules.

TERM

This DSIM Rider shall remain in effect until modified or terminated by the Missouri Public Service Commission ("MPSC" or "Commission").

PURPOSE

The purpose of this DSIM Rider is to establish the DSIM Rate(s) by which The Empire District Electric Company ("Empire" or "Company") will recover the DSIM revenue requirement associated with its Commission approved demand-side management ("DSM") programs. The DSIM revenue requirement includes: prudently incurred DSM Program Costs; Shared Benefits; Utility Incentives; and associated Lost Revenues. The DSIM Rate(s) are calculated to recover the DSIM revenue requirement over a twelve (12) month recovery period.

DSIM RATE FORMULA

The DSIM Rate Formula is as follows:

$$\text{DSIM Rate by Class} = (\text{DSIM Revenue Requirement}) / \text{Billing Units (Kilowatt-hours)}$$

Where:

$$\text{DSM Revenue Requirement} = \text{DSM Program Costs} + \text{Shared Benefits} + \text{Utility Incentives} + \text{Lost Revenues} + \text{Prior Period Over/Under amount}$$

Where:

DSM Program Costs = Direct program cost such as customer rebates and indirect costs such as market potential studies, program delivery, program marketing, program administration and regulatory compliance costs, including the development of a Missouri DSM Technical Resource Manual.

Shared Benefits = Benefits of DSM measures installed X Shared Percentage

Benefits = The net present value of lifetime avoided cost associated with the Commission authorized DSM program measures actually installed annually during a DSM program cycle using the kilowatt and kilowatt-hour savings and avoided cost for each measure as set forth in the Company's MEEIA documentation and used to evaluate the cost of effectiveness of each program in the MEEIA filing. These savings and avoided costs shall only be subject to change prospectively (not retroactively) as a result of the periodic Evaluation Measurement and Verification ("EM&V");

Shared Percentage (SP) = Forty-three (43) percent

Utility Incentives = DSM Program Incentives

DSM Program Incentives = The ratio of Actual DSM Energy Savings achieved during a DSM Program Cycle to the the forecast of Target DSM Energy Savings for a corresponding DSM Program Cycle. This is determined retroactively after the programs have undergone Evaluation, Measurement and Verification (EM&V).

Where:

A ratio of	<50%=	\$0
A Ratio of	50%=	\$1,220,000
A ratio of	60%=	\$1,376,000
A ratio of	70%=	\$1,532,000
A ratio of	80%=	\$1,686,000
A ratio of	90%=	\$1,844,000
A ratio of	100%=	\$2,000,000
A ratio of	110%=	\$2,333,000

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DEMAND-SIDE INVESTMENT MECHANISM RIDER
DSIM RIDER

A ratio of	120%=	\$2,667,000
A ratio of	130%=	\$3,000,000

Lost Revenue = Revenue lost due to energy and demand savings from Company DSM Programs approved by the Commission in accordance with 4 CSR 240-20.094, 4 CSR 240-20.093(2)(G)1 and 4 CSR 240-20.093(2)(G)5.

Billing Units = the summation of Class Billing Units (defined below).

And where (for each class of customers as defined below):

Customer Classes (for purposes of this tariff):

Residential = All residential rates

Commercial = Commercial customers taking service on Commercial Service - Schedule CB

Small Heating Service = General Service customers taking service on Small Heating Service - Schedule SH

General Power = Commercial or industrial customers taking service on General Power Service - Schedule GP

Large Power = Customers taking service on the Large Power Service - Schedule LP

Feed Mill and Grain Elevator Service = Customers taking service on Feed Mill and Grain Elevator Service - Schedule PFM

Total Electric Building = Commercial or industrial customers taking service on Total Electric Building Service - Schedule TEB

Miscellaneous Service = Customers taking service on Miscellaneous Service - Schedule MS

Special Transmission Service = Industrial customers taking service on Special Transmission Service - Schedule ST

The billing units exclude the energy associated with Opt-out (defined below) customer usage.

INITIAL RATES

The Initial DSIM Rate(s) shall be determined by application of the DSIM Rate Formula and set out in Attachment A to this DSIM Tariff. The DSIM Rate(s) shall be re-filed annually by May 1 each and shall be accompanied by a set of workpapers sufficient to fully document the calculations of the DSIM Rate(s). The DSIM Rate(s) shall reflect: Annual Forecast DSM Program Costs and the estimate of Shared Benefits earned during the initial year of the DSM Program Cycle. The DSIM Rate(s) so determined shall be effective on July 1 through the following June 30th.

ANNUAL RE-DETERMINATION

On or before May 1 of each year, beginning in 2015, the Company shall file a re-determined DSIM Rate(s) with the Commission. The re-determined DSIM Rate(s) shall be calculated by application of the DSIM Rate Formula and set out in Attachment A to this DSIM Tariff. Each such revised DSIM Rate filing shall be accompanied by a set of workpapers sufficient to fully document the calculations of the revised DSIM Rate(s).

The re-determined DSIM Rate(s) shall reflect DSM Program Costs, Shared Benefits, Utility Incentives, if applicable, and Lost Revenue if applicable, for the upcoming DSM Program year and a true-up adjustment reflecting any over-recovery or under-recovery of prior period(s) DSIM Revenue Requirement (Prior Period Over/Under Amount).

In addition to the Prior Period Over/Under Amount reflecting the difference between the actual DSIM revenues billed by the Company and the Commission approved DSIM Revenue Requirement for the DSM Program year, the Prior Period

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DEMAND-SIDE INVESTMENT MECHANISM RIDER DSIM RIDER

Over/Under Amount will reflect a true-up of the actual DSM program costs, actual Shared Benefits earned, actual Utility Incentives earned, if applicable, and actual Lost Revenues, if applicable. The DSIM Rate(s) so re-determined shall be effective with Commission approval on and after July 1st of the "Filing" year and shall then remain in effect for twelve (12) months ("DSIM Recovery Cycle"). In support of the re-determined rate, the utility shall secure or create, and subsequently retain, workpapers containing all data needed to substantiate its proposed DSIM Rate(s).

CUSTOMER BILLING

The revenue associated with the MEEIA DSIM rider shall be displayed as a separate line item on customer bills. The DSIM revenue billed to each customer will be quantified by multiplying customer usage (kilowatt-hours) by the authorized MEEIA DSIM rate.

OPT-OUT PROVISION FOR QUALIFYING CUSTOMERS

The DSIM charge or charges will not be applied to the bill of qualified Customers requesting and approved to opt-out of the DSM programs under 4 CSR 240-20. Customers exercising this opt-out provision agree to forgo all participation and benefit from the Company's approved DSM Program(s) with the sole exception of Interruptible Service Rider IR.

PRUDENCE REVIEWS

There shall be prudence reviews conducted no less frequently than at twenty-four (24) month intervals in accordance with 4 CSR 240-20.093 (10). Any such costs which are determined by the Commission to have been imprudently incurred or incurred in violation of the terms of the DSIM Rider shall be credited to customers through future DSIM credits.

EVALUATION MEASUREMENT & VERIFICATION

EM&V of Commission authorized DSM programs will be performed by an independent contractor on a two-year cycle. At the end of the third calendar year of DSM Program operation following the evaluation of the EM&V results, the Company's annual re-determination filing will recognize any earned Utility Incentive, if applicable, Lost Revenue, if applicable, and further refine the Shared Benefit calculation for a future DSM Program Cycle and true-up the Shared Benefits from the prior DSM Program Cycle. Thereafter, similar refinements to Utility Incentive, Lost Revenue and Shared Benefits will take place on a two-year cycle.

TRACKING AND MONITORING PROGRAM COSTS, LOST REVENUES, UTILITY INCENTIVES AND SHARED BENEFITS

The Company shall develop and implement appropriate accounting procedures, which provide for separate tracking, accounting, and reporting of all prudently incurred DSM Program costs, Shared Benefits, Lost Revenues, and Utility Incentives incurred or earned by the Company. The procedures used shall enable DSM Program costs to be readily identified and clearly separated from all other costs. The Company shall secure and retain all documents necessary to verify the validity of the program costs for which it is seeking recovery.

The Company shall develop and implement appropriate accounting procedures, which provide for separate tracking, accounting, and reporting of DSIM revenues billed. The procedures shall enable the DSIM revenues to be readily identified and clearly separated from all other revenues. The Company shall secure and retain all documents necessary to verify the accuracy of the DSIM revenues.

The Commission requires an assessment of the benefit and cost effectiveness of all of the Company's DSM programs (except any programs for which the Company has obtained a waiver). The Company shall develop and implement appropriate procedures, which provide for separate tracking of the benefits and the costs associated with the Company's DSM Programs. The data that shall be tracked shall include, but shall not be limited to, information that will enable the Commission to assess the effectiveness of the Company's DSM Programs. The Company shall secure and retain all documents necessary to verify its assessments.

Revised Sheet No. _____

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For ALL TERRITORY

DEMAND-SIDE INVESTMENT MECHANISM RIDER
DSIM RIDER

ATTACHMENT A

Residential per kWh	\$0.00185
Small Commercial (CB) per kWh	\$0.00185
Small Heating (SH) per kWh	\$0.00185
Total Electric Building (TEB) per kWh	\$0.00185
General Power (GP) per kWh	\$0.00185
Large Power (LP) per kWh	\$0.00185
Feed Mill and Grain Elevator (PFM)	\$0.00185
Special Transmission-Praxair (SC-P)	\$0.00185
Special Transmission (ST)	\$0.00185

THE EMPIRE DISTRICT ELECTRIC COMPANY

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Canceling P.S.C. Mo. No. 5 Sec. 1 17th Revised Sheet No. 1

For ALL TERRITORY

RESIDENTIAL SERVICE
SCHEDULE RG

AVAILABILITY:

This schedule is available for residential service to single-family dwellings or to multi-family dwellings within a single building. This schedule is not available for service through a single meter to two or more separate buildings each containing one or more dwelling units.

MONTHLY RATE:

	Summer Season	Winter Season
Customer Access Charge	\$ 12.52	\$ 12.52
The first 600-kWh, per kWh	0.1149	0.1149
Additional kWh, per kWh	0.1149	0.0934

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year.

FUEL ADJUSTMENT CLAUSE:

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00027 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

DEMAND-SIDE INVESTMENT MECHANISM

The above charges on all customers who have not declined to participate in Company's MEEIA Energy Efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6) will be adjusted by an amount provided by the terms and provisions of the Demand-Side Investment Mechanism, Rider DSIM.

PAYMENT:

Bills will be due on or before twenty-one (21) days after the date thereof. If not paid on or before the due date, a late payment charge of 0.5% on the unpaid balance will be applied.

GROSS RECEIPTS, OCCUPATION OR FRANCHISE TAXES:

There will be added to the Customer's bill, as a separate item, an amount equal to the proportionate part of any license, occupation, franchise, gross or other similar fee or tax now or hereafter imposed upon the Company by any municipality or any other governmental authority, whether imposed by ordinance, franchise, or otherwise, in which the fee or tax is based upon a flat sum payment, a percentage of gross receipts, net receipts, or revenues from the sale of electric service rendered by the Company to the Customer. When such tax or fee is imposed on the Company as a flat sum or sums, the proportionate amount applicable to each Customer's bill shall be determined by relating the annual total of such sum(s) to the Company's total annual revenue from the service provided by this tariff within the jurisdiction of the governmental body and the number of customers located within that jurisdiction. The amounts shall be converted to a fixed amount per customer, so that the amount, when accumulated from all customers within the geographic jurisdiction of the governmental body, will equal the amount of the flat sum(s). The fixed amount per customer shall be divided by 12 and applied to each monthly bill as a separate line item. The amount shall remain the same until the flat sum may be changed by the governmental body, in which case this process shall be adjusted to the new flat sum. The amount shall be modified prospectively by the Company anytime it appears, on an annual basis, that the Company is either over-collecting or under-collecting the amount of the flat sum(s) by more than five percent (5%) on an annual basis. Bills will be increased in the proportionate amount only in service areas where such tax or fee is applicable.

CONDITIONS OF SERVICE:

1. Voltage, phase and frequency of energy supplied will be as approved by the Company.
2. Service will be furnished for the sole use of the Customer and will not be resold, redistributed or submetered, directly or indirectly.
3. Service will be supplied through a single meter unless otherwise authorized by the Company. The point of delivery and location of the meter will be at the building wall unless otherwise specifically designated and approved in advance by the Company for each exception.
4. If this schedule is used for service through a single meter to multiple-family dwellings within a single building, each Customer charge and kWh block will be multiplied by the number of dwelling units served in calculating each month's bill.
5. Welding, X-ray, or other equipment characterized by severe or fluctuating demands, will not be served.
6. Intermittent or seasonal service will not be provided.
7. Bills for service will be rendered monthly. At the option of the Company, however, the meters may be read bimonthly with the bill for the alternate month based upon an estimated kWh consumption.
8. The Company Rules and Regulations, P.S.C. Mo. No. 5, Section 5, are a part of this schedule.

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 2 17th Revised Sheet No. 1

Canceling P.S.C. Mo. No. 5 Sec. 2 16th Revised Sheet No. 1

For ALL TERRITORY

COMMERCIAL SERVICE
SCHEDULE CB

AVAILABILITY:

This schedule is available to any general service customer on the lines of the Company whose electric load is not in excess of 40 kW, except those who are conveying electric service received to others whose utilization of same is for residential purposes other than transient or seasonal. Motels, hotels, inns, resorts, etc., and others who provide transient rooms and/or board service and/or provide service to dwellings on a transient or seasonal basis are not excluded from the use of this rate. The Company reserves the right to determine the applicability or the availability of this rate to any specific applicant for electric service.

MONTHLY RATE:

	Summer Season	Winter Season
Customer Access Charge.....	\$ 21.32	\$ 21.32
The first 700-kWh, per kWh.....	0.1237	0.1237
Additional kWh, per kWh.....	0.1237	0.1112

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year.

FUEL ADJUSTMENT CLAUSE:

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00027 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

DEMAND-SIDE INVESTMENT MECHANISM

The above charges on all customers who have not declined to participate in Company's MEEIA Energy Efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6) will be adjusted by an amount provided by the terms and provisions of the Demand-Side Investment Mechanism, Rider DSIM.

PAYMENT:

Bills will be due on or before twenty-one (21) days after the date thereof. If not paid, the above rate plus 5% then applies.

GROSS RECEIPTS, OCCUPATION OR FRANCHISE TAXES:

There will be added to the Customer's bill, as a separate item, an amount equal to the proportionate part of any license, occupation, franchise, gross or other similar fee or tax now or hereafter imposed upon the Company by any municipality or any other governmental authority, whether imposed by ordinance, franchise, or otherwise, in which the fee or tax is based upon a flat sum payment, a percentage of gross receipts, net receipts, or revenues from the sale of electric service rendered by the Company to the Customer. When such tax or fee is imposed on the Company as a flat sum or sums, the proportionate amount applicable to each Customer's bill shall be determined by relating the annual total of such sum(s) to the Company's total annual revenue from the service provided by this tariff within the jurisdiction of the governmental body and the number of customers located within that jurisdiction. The amounts shall be converted to a fixed amount per customer, so that the amount, when accumulated from all customers within the geographic jurisdiction of the governmental body, will equal the amount of the flat sum(s). The fixed amount per customer shall be divided by 12 and applied to each monthly bill as a separate line item. The amount shall remain the same until the flat sum may be changed by the governmental body, in which case this process shall be adjusted to the new flat sum. The amount shall be modified prospectively by the Company anytime it appears, on an annual basis, that the Company is either over-collecting or under-collecting the amount of the flat sum(s) by more than five percent (5%) on an annual basis. Bills will be increased in the proportionate amount only in service areas where such tax or fee is applicable.

CONDITIONS OF SERVICE:

1. The voltage, phase and frequency of energy supplied will be as approved by the Company.
2. Service will be furnished for the sole use of the Customer and will not be resold, redistributed or submetered, directly or indirectly.
3. Service will be supplied through a single meter unless otherwise authorized by the Company. The point of delivery and location of the meter will be at the building wall unless otherwise specifically designated and approved in advance by the Company for each exception.
4. Where the Customer's use of welding, or other equipment characterized by fluctuating or severe demands, necessitates the installation of additional or increased facilities (including distribution transformers, service conductors or secondaries) solely to serve such Customer, the applicable provisions of Rider XC will apply in amendment to the provisions of this schedule.
5. Living quarters incidental to commercial or industrial operations in the same building will only be served together with these operations through a single meter and billed under this or other applicable commercial industrial rates. Living quarters detached from commercial or industrial buildings will only be served under applicable residential schedules.

THE EMPIRE DISTRICT ELECTRIC COMPANY

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Canceling P.S.C. Mo. No. 5 Sec. 2 16th Revised Sheet No. 2

For ALL TERRITORY

SMALL HEATING SERVICE
SCHEDULE SH

AVAILABILITY:

This schedule is available to any general service customer on the lines of the Company whose average load is not in excess of 40 kW during the Summer Season and where the electric service supplied is the only source of energy at the service location and the customer permanently installs and regularly uses electric space-heating equipment for all internal space-heating comfort requirements. However, this schedule is not available to those who are conveying electric service received to others whose utilization of same is for residential purposes other than transient or seasonal. Motels, hotels, inns, resorts, etc., and others who provide transient rooms and/or board service and/or provide service to dwellings on a transient or seasonal basis are not excluded from the use of this rate. The Company reserves the right to determine the applicability or the availability of this rate to any specific applicant for electric service.

MONTHLY RATE:

	Summer Season	Winter Season
Customer Access Charge	\$ 21.32	\$ 21.32
The first 700-kWh, per kWh	0.1194	0.1194
Additional kWh, per kWh	0.1194	0.0892

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year.

FUEL ADJUSTMENT CLAUSE:

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00027 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

DEMAND-SIDE INVESTMENT MECHANISM

The above charges on all customers who have not declined to participate in Company's MEEIA Energy Efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6) will be adjusted by an amount provided by the terms and provisions of the Demand-Side Investment Mechanism, Rider DSIM.

PAYMENT:

Bills will be due on or before twenty-one (21) days after the date thereof. If not paid, the above rate plus 5% then applies.

GROSS RECEIPTS, OCCUPATION OR FRANCHISE TAXES:

There will be added to the Customer's bill, as a separate item, an amount equal to the proportionate part of any license, occupation, franchise, gross or other similar fee or tax now or hereafter imposed upon the Company by any municipality or any other governmental authority, whether imposed by ordinance, franchise, or otherwise, in which the fee or tax is based upon a flat sum payment, a percentage of gross receipts, net receipts, or revenues from the sale of electric service rendered by the Company to the Customer. When such tax or fee is imposed on the Company as a flat sum or sums, the proportionate amount applicable to each Customer's bill shall be determined by relating the annual total of such sum(s) to the Company's total annual revenue from the service provided by this tariff within the jurisdiction of the governmental body and the number of customers located within that jurisdiction. The amounts shall be converted to a fixed amount per customer, so that the amount, when accumulated from all customers within the geographic jurisdiction of the governmental body, will equal the amount of the flat sum(s). The fixed amount per customer shall be divided by 12 and applied to each monthly bill as a separate line item. The amount shall remain the same until the flat sum may be changed by the governmental body, in which case this process shall be adjusted to the new flat sum. The amount shall be modified prospectively by the Company anytime it appears, on an annual basis, that the Company is either over-collecting or under-collecting the amount of the flat sum(s) by more than five percent (5%) on an annual basis. Bills will be increased in the proportionate amount only in service areas where such tax or fee is applicable.

CONDITIONS OF SERVICE:

1. The voltage, phase and frequency of energy supplied will be as approved by the Company.
2. Service will be furnished for the sole use of the Customer and will not be resold, redistributed or submetered, directly or indirectly.
3. Service will be supplied through a single meter unless otherwise authorized by the Company. The point of delivery and location of the meter will be at the building wall unless otherwise specifically designated and approved in advance by the Company for each exception.
4. Where the Customer's use of welding, or other equipment characterized by fluctuating or severe demands, necessitates the installation of additional or increased facilities (including distribution transformers, service conductors or secondaries) solely to serve such Customer, the applicable provisions of Rider XC will apply in amendment to the provisions of this schedule.

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 2 17th Revised Sheet No. 3

Canceling P.S.C. Mo. No. 5 Sec. 2 16th Revised Sheet No. 3

For ALL TERRITORY

GENERAL POWER SERVICE
SCHEDULE GP

AVAILABILITY:

This schedule is available for electric service to any general service Customer except those who are conveying electric service received to others whose utilization of same is purely for residential purposes other than transient or seasonal. Motels, hotels, inns, resorts, etc., and others who provide transient rooms and board service or room service and/or provide service to dwellings on a transient or seasonal basis are not excluded from the use of this rate. The Company reserves the right to determine the applicability or the availability of this rate to any specific applicant for electric service.

MONTHLY RATE:	Summer Season	Winter Season
CUSTOMER ACCESS CHARGE	\$ 67.00	\$ 67.00
DEMAND CHARGE:		
Per kW of Billing Demand	7.070	5.510
FACILITIES CHARGE		
per kW of Facilities Demand.....	1.998	1.998
ENERGY CHARGE:		
First 150 hours use of Metered Demand, per kWh.....	0.0870	0.0752
Next 200 hours use of Metered Demand, per kWh	0.0683	0.0619
All additional kWh, per kWh	0.0617	0.0614

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year. If an interval data recorder is required for billing purposes, the Customer Charge will be \$248.77.

FUEL ADJUSTMENT CLAUSE:

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00027 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

DEMAND-SIDE INVESTMENT MECHANISM

The above charges on all customers who have not declined to participate in Company's MEEIA Energy Efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6) will be adjusted by an amount provided by the terms and provisions of the Demand-Side Investment Mechanism, Rider DSIM.

DETERMINATION OF BILLING DEMAND:

The monthly Metered Demand will be determined from the highest fifteen minute integrated kilowatt demand registered during the month by a suitable demand meter. The monthly Billing Demand will be the monthly Metered Demand or 40 kW, whichever is greater.

DETERMINATION OF MONTHLY FACILITIES DEMAND:

The monthly Facilities Demand will be determined by a comparison of the current month's metered demand and the metered demand recorded in each of the previous 11 months. If there are less than 11 previous months of data, all available data from previous months will be used. The monthly Facilities Demand will be the maximum demand as determined by this comparison or 40 kW, whichever is greater.

TRANSFORMER OWNERSHIP:

Where the Customer supplies all facilities (other than metering equipment) for utilization of service at the voltage of the Company's primary line feeding to such location, a reduction of \$0.348 per kW will apply to the Facilities Charge.

METERING ADJUSTMENT:

The above rate applies for service metered at secondary voltage. Where service is metered at the voltage of the primary line feeding to such location, metered kilowatts and kilowatt-hours will be reduced prior to billing by multiplying metered kilowatts and kilowatt-hours by 0.9806.

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 2 9th Revised Sheet No. 3a

Canceling P.S.C. Mo. No. 5 Sec. 2 8th Revised Sheet No. 3a

For ALL TERRITORY

GENERAL POWER SERVICE
SCHEDULE GP

MINIMUM MONTHLY BILL:

During any month in which service is rendered, the minimum monthly bill will be the Customer Charge plus the Demand Charge plus the Facilities Charge.

PAYMENT:

The above rate applies only if the bill is paid on or before fourteen (14) days after the date thereof. If not so paid, the above rate plus 5% then applies.

GROSS RECEIPTS, OCCUPATION OR FRANCHISE TAXES:

There will be added to the Customer's bill, as a separate item, an amount equal to the proportionate part of any license, occupation, franchise, gross or other similar fee or tax now or hereafter imposed upon the Company by any municipality or any other governmental authority, whether imposed by ordinance, franchise, or otherwise, in which the fee or tax is based upon a flat sum payment, a percentage of gross receipts, net receipts, or revenues from the sale of electric service rendered by the Company to the Customer. When such tax or fee is imposed on the Company as a flat sum or sums, the proportionate amount applicable to each Customer's bill shall be determined by relating the annual total of such sum(s) to the Company's total annual revenue from the service provided by this tariff within the jurisdiction of the governmental body and the number of customers located within that jurisdiction. The amounts shall be converted to a fixed amount per customer, so that the amount, when accumulated from all customers within the geographic jurisdiction of the governmental body, will equal the amount of the flat sum(s). The fixed amount per customer shall be divided by 12 and applied to each monthly bill as a separate line item. The amount shall remain the same until the flat sum may be changed by the governmental body, in which case this process shall be adjusted to the new flat sum. The amount shall be modified prospectively by the Company anytime it appears, on an annual basis, that the Company is either over-collecting or under-collecting the amount of the flat sum(s) by more than five percent (5%) on an annual basis. Bills will be increased in the proportionate amount only in service areas where such tax or fee is applicable.

CONDITIONS OF SERVICE:

1. Voltage, phase and frequency of service will be as approved by the Company. No service will be provided hereunder at voltages higher than the Company's standard primary voltage.
2. More than one class of service, as to character of voltage, phase or frequency, if separately metered, will not be combined for billing.
3. Service will be supplied through a single meter unless otherwise authorized by the Company. The point of delivery and location of the meter will be at the building wall unless otherwise specifically designated and approved in advance by the Company for each exception.
4. Service will be furnished for the sole use of the Customer and will not be resold, redistributed or submetered, directly or indirectly.
5. Living quarters incidental to commercial or industrial operations in the same building will only be served together with these operations through a single meter and billed under this or other applicable commercial industrial schedules. Living quarters detached from commercial or industrial buildings will only be served under applicable residential schedules.
6. The term of service will not be less than one (1) year. Intermittent or seasonal service will not be provided.
7. Bills for service will be rendered monthly.
8. The Company Rules and Regulations, P.S.C. Mo. No. 5, Section 5, are a part of this schedule.
9. Where the customer's use of welding, or other equipment characterized by fluctuating or severe demands, or the need for multiple or oversized transformers, necessitates the installation of additional or increased facilities (including distribution transformers, service conductors or secondaries) solely to serve such customer, the applicable provisions of Rider XC will apply in amendment to the provisions of this schedule.

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 2 18th Revised Sheet No. 4Canceling P.S.C. Mo. No. 5 Sec. 2 17th Revised Sheet No. 4For ALL TERRITORYLARGE POWER SERVICE
SCHEDULE LP

AVAILABILITY:

This schedule is available for electric service to any general service Customer except those who are conveying electric service received to others whose utilization of same is for residential purposes other than transient or seasonal. Motels, hotels, inns, resorts, etc., and others who provide transient room and board service or room service and/or provide service to dwellings on a transient or seasonal basis are not excluded from the use of this rate. The Company reserves the right to determine the applicability or the availability of this rate to any specific applicant for electric service.

MONTHLY RATE:	Summer Season	Winter Season
CUSTOMER ACCESS CHARGE.....	\$ 247.73	\$ 247.73
DEMAND CHARGE:		
Per kW of Billing Demand	13.70	7.57
FACILITIES CHARGE		
per kW of Facilities Demand	1.649	1.649
ENERGY CHARGE:		
First 350 hours use of Metered Demand, per kWh	0.0671	0.0596
All additional kWh, per kWh	0.0363	0.0350

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year.

To be eligible for this schedule, the customer agrees to provide, at the Customer's expense, an analog telephone line to the metering location(s), for use by the Company to retrieve interval metering data for billing and load research purposes. This telephone line must be available to the Company between the hours of midnight and 6:00am each day.

FUEL ADJUSTMENT CLAUSE:

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00027 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

DEMAND-SIDE INVESTMENT MECHANISM

The above charges on all customers who have not declined to participate in Company's MEEIA Energy Efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6) will be adjusted by an amount provided by the terms and provisions of the Demand-Side Investment Mechanism, Rider DSIM.

DETERMINATION OF BILLING DEMAND:

The monthly Metered Demand will be determined from the highest fifteen minute integrated kilowatt demand registered during the month by a suitable demand meter. The monthly Billing Demand will be the monthly Metered Demand, or 1000 kW, whichever is greater.

DETERMINATION OF MONTHLY FACILITIES DEMAND:

The monthly Facilities Demand will be determined by a comparison of the current month's metered demand and the metered demand recorded in each of the previous 11 months. If there are less than 11 previous months of data, all available data from previous months will be used. The monthly Facilities Demand will be the maximum demand as determined by this comparison or 1000 kW, whichever is greater.

TRANSFORMER OWNERSHIP:

If the Company supplies a standard transformer and secondary facilities, a secondary facility charge of \$0.342 per kW of facilities demand will apply, otherwise, Rider XC will apply, unless Customer supplies their own secondary facilities.

SUBSTATION FACILITIES CREDIT:

The above facilities charge does not apply if the stepdown-substation and transformer are owned by the Customer.

METERING ADJUSTMENT:

The above rate applies for service metered at primary voltage. Where service is metered at secondary voltage, metered kilowatts and kilowatt-hours will be increased prior to billing by multiplying metered kilowatts and kilowatt-hours by 1.0237.

Where service is metered at transmission voltage, metered kilowatts and kilowatt-hours will be reduced prior to billing by multiplying kilowatts and kilowatt-hours by 0.9756.

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THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 2 17th Revised Sheet No. 6

Canceling P.S.C. Mo. No. 5 Sec. 2 16th Revised Sheet No. 6

For ALL TERRITORY

FEED MILL AND GRAIN ELEVATOR SERVICE
SCHEDULE PFM

AVAILABILITY:

This schedule is available for electric service to any custom feed mill or grain elevator.

MONTHLY RATE:

	Summer Season	Winter Season
Customer Access Charge	\$ 27.65	\$ 27.65
The first 700-kWh, per kWh	0.1802	0.1802
Additional kWh, per kWh	0.1802	0.1637

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year.

PAYMENT:

The above rate applies only if the bill is paid on or before twenty-one (21) days after the date thereof. If not so paid, the above rate plus 5% then applies.

FUEL ADJUSTMENT CLAUSE:

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00027 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

DEMAND-SIDE INVESTMENT MECHANISM

The above charges on all customers who have not declined to participate in Company's MEEIA Energy Efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6) will be adjusted by an amount provided by the terms and provisions of the Demand-Side Investment Mechanism, Rider DSM.

GROSS RECEIPTS, OCCUPATION OR FRANCHISE TAXES:

There will be added to the Customer's bill, as a separate item, an amount equal to the proportionate part of any license, occupation, franchise, gross or other similar fee or tax now or hereafter imposed upon the Company by any municipality or any other governmental authority, whether imposed by ordinance, franchise, or otherwise, in which the fee or tax is based upon a flat sum payment, a percentage of gross receipts, net receipts, or revenues from the sale of electric service rendered by the Company to the Customer. When such tax or fee is imposed on the Company as a flat sum or sums, the proportionate amount applicable to each Customer's bill shall be determined by relating the annual total of such sum(s) to the Company's total annual revenue from the service provided by this tariff within the jurisdiction of the governmental body and the number of customers located within that jurisdiction. The amounts shall be converted to a fixed amount per customer, so that the amount, when accumulated from all customers within the geographic jurisdiction of the governmental body, will equal the amount of the flat sum(s). The fixed amount per customer shall be divided by 12 and applied to each monthly bill as a separate line item. The amount shall remain the same until the flat sum may be changed by the governmental body, in which case this process shall be adjusted to the new flat sum. The amount shall be modified prospectively by the Company anytime it appears, on an annual basis, that the Company is either over-collecting or under-collecting the amount of the flat sum(s) by more than five percent (5%) on an annual basis. Bills will be increased in the proportionate amount only in service areas where such tax or fee is applicable.

CONDITIONS OF SERVICE:

1. The voltage, phase and frequency of energy supplied will be as approved by the Company.
2. Service will be supplied through a single meter unless otherwise authorized by the Company. The point of delivery and location of the meter will be at the building wall unless otherwise specifically designated and approved in advance by the Company for each exception.
3. Service will be furnished for the sole use of the Customer and will not be resold, redistributed or submetered, directly or indirectly.
4. The term of service will not be less than one (1) year. Intermittent or seasonal service will not be provided.
5. Bills for service will be rendered monthly.
6. The Company Rules and Regulations, P.S.C. Mo. No. 5, Section 5, are a part of this schedule.
7. No new customers will be accepted on this rate.

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 2 17th Revised Sheet No. 7Canceling P.S.C. Mo. No. 5 Sec. 2 16th Revised Sheet No. 7For ALL TERRITORYTOTAL ELECTRIC BUILDING SERVICE
SCHEDULE TEB

AVAILABILITY:

This schedule is available to any general services customers on the lines of the Company for total electric service except those customers who are conveying electric service to others whose utilization of the same is for residential purposes other than transient or seasonal. Motels, hotels, inns, etc., and others who provide transient room and/or room and board service and/or provide service to dwellings on a transient or seasonal basis are not excluded from the use of this rate. The Company reserves the right to determine the applicability or the availability of this rate to any specific applicant for electric service.

MONTHLY RATE:

	Summer Season	Winter Season
CUSTOMER ACCESS CHARGE.....	\$ 66.99	\$ 66.99
DEMAND CHARGE:		
Per kW of Billing Demand	3.30	2.71
FACILITIES CHARGE		
per kW of Facilities Demand	1.997	1.997
ENERGY CHARGE:		
First 150 hours use of Metered Demand, per kWh.....	0.1016	0.0777
Next 200 hours use of Metered Demand, per kWh.....	0.0796	0.0630
All additional kWh, per kWh	0.0721	0.0619

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year. If an interval data recorder is required for billing purposes, the Customer Charge will be \$248.77.

FUEL ADJUSTMENT CLAUSE:

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00027 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

DEMAND-SIDE INVESTMENT MECHANISM

The above charges on all customers who have not declined to participate in Company's MEEIA Energy Efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6) will be adjusted by an amount provided by the terms and provisions of the Demand-Side Investment Mechanism, Rider DSIM.

DETERMINATION OF BILLING DEMAND:

The monthly Metered Demand will be determined from the highest fifteen minute integrated kilowatt demand registered during the month by a suitable demand meter. The monthly Billing Demand will be the monthly Metered Demand or 40 kW, whichever is greater.

DETERMINATION OF MONTHLY FACILITIES DEMAND:

The monthly Facilities Demand will be determined by a comparison of the current month's metered demand and the metered demand recorded in each of the previous 11 months. If there are less than 11 previous months of data, all available data from previous months will be used. The monthly Facilities Demand will be the maximum demand as determined by this comparison or 40 kW, whichever is greater.

TRANSFORMER OWNERSHIP:

Where the Customer supplies all facilities (other than metering equipment) for utilization of service at the voltage of the Company's primary line feeding to such location, a reduction of \$0.348 per kW will apply to the Facilities charge.

METERING ADJUSTMENT:

The above rate applies for service metered at secondary voltage. Where service is metered at the voltage of the primary line feeding to such location, metered kilowatts and kilowatt-hours will be reduced prior to billing by multiplying metered kilowatts and kilowatt-hours by 0.9806.

MINIMUM MONTHLY BILL:

During any month in which service is rendered, the minimum monthly bill will be the Customer charge plus the demand charge plus the Facilities Charge.

PAYMENT:

The above rate applies only if the bill is paid on or before fourteen (14) days after the date thereof. If not so paid, the above rate plus 5% then applies.

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

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THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 2 13th Revised Sheet No. 9Canceling P.S.C. Mo. No. 5 Sec. 2 12th Revised Sheet No. 9For ALL TERRITORYSPECIAL TRANSMISSION SERVICE CONTRACT: PRAXAIR
SCHEDULE SC-P

AVAILABILITY:

This schedule is available for electric service to PRAXAIR, INC. (Customer) as stated in the contract for power service between THE EMPIRE DISTRICT ELECTRIC COMPANY (Company) and PRAXAIR, INC. ("the contract").

MONTHLY RATE:

	Summer Season	Winter Season
CUSTOMER ACCESS CHARGE.....	\$ 246.47	\$ 246.47
ON-PEAK DEMAND CHARGE		
Per kW of Billing Demand	23.95	16.27
SUBSTATION FACILITIES CHARGE		
Per kW of Facilities Demand.....	0.481	0.481
ENERGY CHARGE, per kWh:		
On-Peak Period	0.0515	0.0365
Shoulder Period	0.0416	
Off-Peak Period	0.0321	0.0303

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year. The On-Peak hours will be weekdays, excluding holidays, from 12:00 p.m. through 7:00 p.m. during the Summer Season and 6:00 a.m. through 10:00 p.m. during the Winter Season. The Shoulder hours will be weekends from 12:00 p.m. through 9:00 p.m. and weekdays from 9:00 a.m. through 12:00 p.m. and 7:00 p.m. through 10:00 p.m. during the Summer Season. All other hours are Off-Peak. Holidays include New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day, as specified by the North American Electric Reliability Council (NERC).

FUEL ADJUSTMENT CLAUSE:

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00027 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

DEMAND-SIDE INVESTMENT MECHANISM

The above charges on all customers who have not declined to participate in Company's MEEIA Energy Efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6) will be adjusted by an amount provided by the terms and provisions of the Demand-Side Investment Mechanism, Rider DSM.

DETERMINATION OF DEMANDS (CPD, MFD, ID):

An appropriate level of demand at the time of the Company's system peak shall be determined for PRAXAIR under this Schedule. This Customer Peak Demand ("CPD") shall be either PRAXAIR's actual maximum measured kW demand during a peak period, or a calculated amount based upon conditions involving PRAXAIR's actual or expected operations, and agreed upon between Company and PRAXAIR.

CURTAILMENT LIMITS:

The number of Curtailment Events in a Curtailment Year shall be no more than thirteen (13). Each Curtailment Event shall be no less than two or no more than eight consecutive hours and no more than one occurrence will be required per day unless needed to address a system reliability event. The cumulative hours of curtailment per Customer shall not exceed one hundred hours (100) during each Curtailment Year. The Curtailment Contract Year shall be June 1 through May 31.

DETERMINATION OF BILLING DEMAND:

The monthly "On-Peak Demand" shall be determined as being the highest fifteen (15) minute integrated kilowatt demand registered by a suitable demand meter during the peak hours as stated above. In no event shall the Peak Demand be less than the lesser of 6000 kW or Customer's MFD for Customers that have contracted interruptible capacity as specified in the contract or any future amendments thereto.

DETERMINATION OF MONTHLY FACILITIES DEMAND:

The monthly "Substation Facilities Demand" shall be determined as being the highest fifteen (15) minute integrated demand registered by a suitable demand meter during all hours. In no event shall Substation Facilities Demand, if applicable be less than the greater of 6000 kW and Customer's CPD for Customers that have contracted interruptible capacity as specified in the contract or any future amendments thereto.

METERING ADJUSTMENT:

The above rates apply for service metered at transmission voltage. Where service is metered at substation voltage, metered kilowatts and kilowatt-hours will be increased prior to billing by multiplying metered kilowatts and kilowatt-hours by 1.0086.

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THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 2 12th Revised Sheet No. 13Canceling P.S.C. Mo. No. 5 Sec. 2 11th Revised Sheet No. 13For ALL TERRITORYSPECIAL TRANSMISSION SERVICE
SCHEDULE ST

AVAILABILITY:

This schedule is available for electric service to any general service Customer who has signed a service contract with THE EMPIRE DISTRICT ELECTRIC COMPANY. The Company shall supply, sell and deliver electric power at transmission or substation voltage, and the Customer shall take and pay for said power under the provisions of the contract.

NET MONTHLY RATE:

	Summer Season	Winter Season
CUSTOMER ACCESS CHARGE.....	\$ 246.47	\$ 246.47
ON-PEAK DEMAND CHARGE		
Per kW of Billing Demand.....	23.95	16.27
SUBSTATION FACILITIES CHARGE		
Per kW of Facilities Demand	0.481	0.481
ENERGY CHARGE, per kWh:		
Peak Period	0.0515	0.0365
Shoulder Period	0.0416	
Off-Peak Period	0.0321	0.0303

The Summer Season will be the first four monthly billing periods billed on and after June 16, and the Winter Season will be the remaining eight monthly billing periods of the calendar year. The Peak hours will be weekdays, excluding holidays, from 12:00 p.m. through 7:00 p.m. during the Summer Season and 6:00 a.m. through 10:00 p.m. during the Winter Season. The Shoulder hours will be weekends from 12:00 p.m. through 9:00 p.m. and weekdays from 9:00 a.m. through 12:00 p.m. and 7:00 p.m. through 10:00 p.m. during the Summer Season. All other hours are Off-Peak.

FUEL ADJUSTMENT CLAUSE:

The above charges will be adjusted in an amount provided by the terms and provisions of the Fuel Adjustment Clause, Rider FAC.

ENERGY EFFICIENCY COST RECOVERY:

The above charges will be adjusted to include a charge of \$0.00027 per kWh on all customers who have not declined to participate in Company's energy efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6).

DEMAND-SIDE INVESTMENT MECHANISM

The above charges on all customers who have not declined to participate in Company's MEEIA Energy Efficiency programs under P.S.C. Rule 4 CSR 240-20.094(6) will be adjusted by an amount provided by the terms and provisions of the Demand-Side Investment Mechanism, Rider DSIM.

DETERMINATION OF BILLING DEMAND:

The monthly "On-Peak Demand" shall be determined as being the highest fifteen (15) minute integrated kilowatt demand registered by a suitable demand meter during the peak hours as stated above. In no event shall Peak Demand be less than the lesser of 6000 kW or Customer's MFD for Customers that have contracted interruptible capacity as specified in the contract or any future amendments thereto.

DETERMINATION OF MONTHLY FACILITIES DEMAND:

The monthly "Substation Facilities Demand" if applicable, shall be determined as being the highest fifteen (15) minute integrated demand registered by a suitable demand meter during all hours. In no event shall Substation Facility Demand, if applicable, be less than the greater of 6000 kW and Customer's CPD for Customers that have contracted interruptible capacity as specified in the contract or any future amendments thereto.

METERING ADJUSTMENT:

The above rates apply for service metered at transmission voltage. Where service is metered at substation voltage, metered kilowatts and kilowatt-hours will be increased prior to billing by multiplying kilowatts and kilowatt-hours by 1.0086.

MINIMUM MONTHLY BILL:

Except as provided in the above-mentioned contract, the Minimum Monthly Bill shall be the Customer Charge plus the On-Peak Demand Charge plus any applicable Facilities Charge.

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 8a

Canceling P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 8a

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

C. Residential Lighting/Appliance Program

APPLICATION:

This programs is designed to secure energy savings by incentivizing the purchase of ENERGY STAR® qualified lighting and appliances by Empire's Missouri residential customers through incentive rebates. The Empire District Company's (Company) participation in such financial incentives is limited to the program budgets approved by the Missouri Public Service Commission in EO-2014-0030.

AVAILABILITY:

The program is voluntary and available on a first-come, first-served basis to any of Company's Missouri residential customers.

PROGRAM GOALS:

Program goals include:

- Help residential customers reduce their electricity bills.
- Educate residential customers about the program and the benefits of efficient lighting and appliances.
- Develop partnerships with retailers to market the program.
- Demonstrate persistent energy savings.
- Encourage energy saving behavior and awareness.

TERMS & CONDITIONS:

1. Instant rebates will be applied to CFLs and LEDs at the point-of-purchase, varying depending upon the type of lighting, manufacturer and the associated retail cost.
2. Mail-in rebates will be available to customers that provide proof of purchase for efficient appliances, including:
 1. ENERGY STAR Indoor and Outdoor Fixtures
 2. Efficient Nightlight
 3. ENERGY STAR Dehumidifier
 4. ENERGY STAR Refrigerator
 5. ENERGY STAR 2-Speed Pool Pump
3. Empire will engage a third-party contractor to implement the program. The contractor's duties may include:
 - Establish relationships with lighting manufacturers and retailers throughout the Empire service territory.
 - Process incentives.
 - Track program data.
 - Provide in-store promotional materials and retail sales staff training.
 - Market the mail-in rebate program.

TERM:

This program and tariff shall be effective from the date of Commission approval through December 31, 2016, unless terminated earlier by the Commission.

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 7th Revised Sheet No. 8b

Canceling P.S.C. Mo. No. 5 Sec. 4 6th Revised Sheet No. 8b

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

D. Appliance Recycling Program

APPLICATION:

The program encourages residential customers to remove inefficient refrigerators and freezers from the electric system and dispose of them in an environmentally safe and responsible manner.

The program will provide an incentive to customers that turn-in their old, inefficient refrigerator(s) or freezer(s). The Empire District Electric Company's (Company) participation in such financial incentives is limited to the program budgets approved by the Missouri Public Service Commission (Commission) in EO-2014-0030.

AVAILABILITY:

This program is voluntary and available on a first-come, first-served basis to any of the Company's residential customers located in Missouri.

PROGRAM GOALS:

Program goals include:

- Educate customers about the benefits of recycling their inefficient appliances.
- Reduce household and small commercial energy consumption.
- Influence consumer behavior by encouraging customers to avoid replacing their second refrigerator or freezer after it is recycled.
- Promote appliance recycling.

TERMS & CONDITIONS:

1. Customers are limited to 2 rebates per program year.
2. The refrigerator or freezer must be in working condition, between 10 and 30 cubic feet in size and at least five years of age.
3. The refrigerators and freezers will be picked-up at no cost to the customer.
4. Empire plans to select a third-party implementation contractor that specializes in appliance recycling and has access to a recycling facility.
5. The duties of the implementation contractor may include scheduling, appliance pickup, recycling and disposal, and incentive processing.

TERM:

This program and tariff shall be effective from the date of Commission approval through December 31, 2016, unless terminated earlier by the Commission.

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 6th Revised Sheet No. 8c

Canceling P.S.C. Mo. No. 5 Sec. 4 5th Revised Sheet No. 8c

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

E. High Efficiency Residential Central Air Conditioning Rebate Program

APPLICATION:

The High Efficiency Residential Central Air Conditioning Rebate Program (Program) is designed to encourage more effective utilization of electric energy through the use of more energy efficient residential central air conditioning equipment and heat pumps by providing a financial incentive to customers in the form of a rebate. The Empire District Electric Company's (Company) participation in such financial incentives is limited to the program budgets approved by the Missouri Public Service Commission (Commission) in Case. No EO-2014-0030.

AVAILABILITY:

The Program is voluntary and available on a first-come, first-served basis to any residential customer, owner of residential rental property or builder of residential structures in Missouri who is receiving electric service from the Company. Customers will be eligible to receive financial incentives for:

- Early retirement of heat pump systems which are in operable condition and at least five (5) years of usage
- Purchase and installation of efficient central air conditioners, heat pumps, furnace fan motors, bathroom exhaust fans and programmable thermostats.

PROGRAM GOALS:

Program goals are:

- Educate customers on the benefits of installing high-efficiency HVAC
- Develop partnerships with contractors to bring efficient systems to the market
- Help reduce customers electric usage
- Build customer confidence in their liability of savings estimates

TERMS & CONDITIONS:

1. This Program will provide rebates to all Participants that purchase and install appropriately sized high-efficiency central air conditioning equipment or heat pumps, or replace existing equipment with appropriately sized higher-efficiency units after the original effective date of this tariff. The available rebates are as follows:

• CAC SEER 15	\$400
• CAC SEER 16	\$450
• CAC SEER 17	\$500
• Heat Pump SEER 15	\$400
• Heat Pump SEER 16	\$450
• Heat Pump SEER 17	\$500
• Early Retirement HP SEER 16	\$600
• Early Retirement HP SEER 17	\$700
• Furnace Fan Motor	\$40
• HE Bathroom Exhaust Fan	\$20
• Programmable Thermostat	\$15
2. Empire plans to retain an implementation contractor to perform the following:
 - Engage local HVAC contractors' participation
 - Market program
 - Process rebates
 - Provide program tracking
 - Provide program assurance/quality control
3. The Company will make annual training on Manual J calculations and System Charging and Airflow available to installers of central air conditioning equipment and heat pumps. This training will be made available at least one time per year.

EVALUATION:

An initial evaluation of the program based on the first two program years will be conducted during the third program year unless the CPC approves advancing or delaying the evaluation.

TERM:

This program and tariff shall be effective from the date of Commission approval through December 31, 2016, unless terminated earlier by the Commission.

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 8d

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 8d

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

F. Whole House Efficiency Program

APPLICATION:

This program is designed to encourage whole-house improvements to existing homes by enhancing home energy audits and promoting comprehensive retrofit services. The Empire District Electric Company's (Company) participation in financial incentives related to this program is limited to the program budgets approved by the Missouri Public Service Commission in EO-2014-0030.

AVAILABILITY:

This program is voluntary and available on a first-come, first-served basis to any residential customer, or owner of residential rental property in Missouri who is receiving electric service from the Company.

PROGRAM GOALS:

Program goals include:

- Demonstrate persistent energy savings.
- Encourage energy-saving behavior and whole house improvements to existing homes.
- Help residential customers reduce their consumption of electricity

TERMS & CONDITIONS:

1. The program will consist of 2 Tiers:
 - Tier 1: Direct Install. A home energy audit will identify potential efficiency improvements. The program will offer the audit and installation of measures at no cost to the customer.
 - Measures included in the program: air sealing, faucet aerators, low-flow showerhead, water heater temperature setback, advanced power strip, water heater tank wrap, hot water pipe insulation and CFLs.
 - Tier 2: Insulation. Customers that have completed Tier 1 are eligible for incentives for the purchase and installation of attic insulation and an incentive rebate of \$300.
2. Empire plans to engage a contractor to implement the program as planned. The contractor's duties may include:
 - Engage customers and schedule appointments
 - Hire staff/engage local contractors to conduct audits and measure installations
 - Process rebates
 - Track program costs, measures installed and program benefits
 - Provide program quality assurance

TERM:

This program and tariff shall be effective from the date of Commission approval through December 31, 2016, unless terminated earlier by the Commission.

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 8e

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Original Sheet No. 8e

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

G. Weatherization Program

APPLICATION:

The Residential Weatherization Program (Program) is designed to provide energy education and weatherization assistance, primarily for lower income customers. This Program is intended to assist customers through conservation, education and weatherization in reducing their use of energy. The Empire District Electric Company's (Company) participation in program's financial incentives is limited to the program budgets approved by the Missouri Public Service Commission (Commission) in Case No. ER-2014-0030.

ADMINISTRATION:

The program will be administered by the Economic Security Corporation, the Ozark Area Community Action Corporation and the West Central Missouri Community Action Agency, also known in this tariff as Social Agencies, in accordance to an established formula. This formula, calculated by Missouri Department of Economic Development Division of Energy (DED-DE), allocates the dollars between the Social Agencies based on the total Empire accounts enrolled with Social Agency and the percentage of households in poverty within the Social Agency's service region. The formula is: (% of total Empire accounts by Social Agency times $\frac{1}{2}$ of the annual funds available to the Social Agencies) plus (% of estimated poverty households accounts by Social Agency times $\frac{1}{2}$ of the annual funds available to the Social Agencies).

TERMS & CONDITIONS:

1. The program will offer grants for weatherization services to eligible customers. Customer eligibility will be determined by federal low income weatherization assistance program guidelines published by the U.S. Department of Energy (USDOE). The program will be primarily directed to lower income customers.
2. The total amount of grants offered to a customer will be determined by the federal low income weatherization assistance program guidelines. These funds will focus on measures that reduce electricity usage associated with electric heat, air conditioning, refrigeration, lighting, etc.
3. Program funds made available to the Social Agencies cannot be used for administrative costs except those incurred by the Social Agencies that are directly related to qualifying and assisting customers under this program. The amount of reimbursable administrative costs per participating household shall not exceed 15% of the total expenditures for each participating household.
4. Social Agencies and Company agree to consult with Staff, the Office of the Public Counsel, MDNR, and other members of the DSM advisory group during the term of the Program.
5. With the assistance of Social Agencies, the Company shall submit a report on the Program to the DSM advisory group on or before April 16, 2015 and on the same date for each succeeding year in which the Program continues. Each report will address the progress of the Program, and provide an accounting of the funds received and spent on the Program during the preceding calendar year. The report will include the following information with breakdowns for each of the participating social agencies:
 - a. Program funds provided by Company.
 - b. Amount of administrative funds retained by the social agency.
 - c. Number of weatherization jobs completed and total cost (excluding administrative funds) of jobs completed.
 - d. Number of weatherization jobs "in progress" at the end of the calendar year.
 - e. Number, type and total cost of baseload measures (non-heating) installed.
6. If one of the Social Agencies is unable to place the total dollars allocated, the unspent funds may be reallocated among the remaining Social Agencies.

TERM:

This program and tariff shall be effective from the date of Commission approval through December 31, 2016, unless terminated earlier by the Commission.

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 8f

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Original Sheet No. 8f

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

H. Low-Income New Home Program

APPLICATION:

The Low-Income New Home Program (Program) is designed to promote energy efficiency in affordable new homes for low income customers served under The Empire District Electric Company's ("Company") Residential Service Schedule RG. This Program is intended as a partnership between the Company and non-profit organizations, such as, Habitat for Humanity, and local government community development organizations (Organizations). The Company's participation in such financial incentives is limited to the program budgets approved by the Missouri Public Service Commission (Commission) in Case No. EO-2014-0030.

ADMINISTRATION:

The Company will administer the program, but will rely on the Organization submitting the application to qualify the home-buyer as low-income according to local standards.

TERMS & CONDITIONS:

1. The Program will provide financial incentives for increased energy efficiency in the building shell insulation and for high-efficiency central air conditioners (CAC), heat pumps (HP), refrigerators, and lighting fixtures. This Program is specifically directed toward the low-income community. The Program applies to single-unit residences and multi-unit housing, which for the first program year will be limited to duplex units.
2. The total available incentive per residential dwelling home is \$1,100. This incentive may be a combination of any of the following:
 - a. The financial incentive for the CAC or HP with a SEER of 14 or greater will be set at the full incremental cost for the unit, up to a maximum of \$400. The incremental cost is based on a 13 SEER unit. The HP incentive will be the same as an incentive for a CAC with the equivalent SEER.
 - b. Up to \$200 may be allocated toward the purchase of, or the upgrade to, a higher-efficiency model of an Energy Star® rated refrigerator.
 - c. Up to \$100 may be allocated toward the purchase of Energy Star® rated lighting fixtures.
 - d. Of the total funds allocated, an incentive of full incremental cost is available for improvements in the building shell as shown below.
 - i. Attic insulation of R-38 or higher with baseline of R-30 for incentives, and/or
 - ii. Exterior wall insulation of R-19 or better with a baseline of R-13, and/or
 - iii. Floor insulation of R-19 or better with a baseline of R-13.
3. Funds will be available on a "first-come, first-served" basis until the annual funds have been exhausted. Funding to the Organization will occur upon the receipt and review of paid invoices. An Organization must notify the Company of its intent to participate in this program prior to purchasing materials by completing the Notice of Intent and returning it as indicated on the form. This form may be obtained by calling 417-625-6519 or 1-800-639-0077 extension 6519.

TERM:

This Program and tariff shall be effective from the date of Commission approval through December 31, 2016, unless terminated earlier by the Commission.

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 8g

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Original Sheet No. 8g

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

I. School Energy Education Program

APPLICATION:

The program offers a set of classroom activities and a kit of low-cost energy and water efficiency products to sixth-grade students within the Empire service territory. The program helps build awareness of energy conservation among children and can impact customers at all income levels. The Empire District Electric Company's (Company) financial incentive in this program is limited to the program budgets approved by the Missouri Public Service Commission (Commission) in EO-2014-0030.

PROGRAM GOALS:

Program goals include:

- Educate students about the benefits of efficiency and the opportunities to reduce energy consumption.
- Increase awareness of and participation in other Company energy efficiency programs.
- Long-term energy savings through enhanced education and awareness of energy efficiency among students and parents.

TERMS & CONDITIONS:

1. Teachers will receive education materials including lesson plans, program videos, classroom posters and supplemental activities.
2. Each student in the program receives an Energy Education Kit, which can include products such as:
 - CFLs and Nightlight
 - Natural Resources Fact Chart
 - Digital Water / Air Thermometer
 - FilterTone® Alarm
 - High-Efficiency Showerhead
 - Toilet Leak Detector Tablets
 - Flow Rate Test Bag
 - Mini Tape Measure
3. Empire plans to engage a third-party implementation contractor whose duties may include recruiting and training teachers, tracking participation, and providing support to students and teachers.

TERM:

This program and tariff shall be effective from the date of Commission approval through December 31, 2016, unless terminated earlier by the Commission.

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 8hCanceling P.S.C. Mo. No. 5 Sec. 4 1st Original Sheet No. 8hFor ALL TERRITORYPROMOTIONAL PRACTICES
SCHEDULE PRO

J. Missouri Commercial and Industrial Facility Rebate Program

APPLICATION:

The Missouri Commercial and Industrial Facility Rebate Program (Program) is designed to encourage more effective utilization of electric energy through energy efficiency improvements in the building shell or through the replacement of inefficient electrical equipment with efficient electrical equipment, by providing a rebate for a portion of the costs of the improvements and for energy audit and the related upgrades that improve efficient use of electricity. The Empire District Electric Company's participation in such financial incentives is limited to the program budgets approved by the Missouri Public Service Commission (Commission) in Case No. EO-2014-0030.

DEFINITIONS:

Administrator – The Company will administer the program.

Participant – Electric customer in rate schedules CB, SH, GP, LP, PFM, TEB, SC-P, and ST being served by the Company in its Missouri electric service territory that elects to purchase electrical energy efficiency upgrades through the Program, and has not opted out of these programs under Missouri Public Service Commission Rule 4 CSR 240-20.094(6).

Prescriptive Rebates - Pre-qualified prescriptive rebates are available to all customers identified as participants. Rebates are available for new construction and retrofits. The rebated measures, including lighting, HVAC equipment, motors and variable frequency drives, are proven technologies that are readily available with known performance characteristics.

Custom Rebates - Equipment that does not qualify for a prescriptive rebate will be eligible for a custom rebate. Custom rebates will be available to all Commercial and Industrial customers listed as Participants. Applications must be pre-approved by Empire before equipment is purchased and installed to ensure they produce a Societal Benefit-Cost Test of 1.05 or higher and have an incremental payback greater than two years. Incentives are calculated as the lesser of the following:

\$0.30 per kWh savings
Fifty (50) percent of the incremental costs

AVAILABILITY:

The Program is voluntary and available on a first-come, first-served basis to any commercial or industrial facility of a customer identified as a Participant until funds for that year have been expended. A customer may still be eligible for custom rebates on additional measures if some, but not all of the measures in a facility qualify for prescriptive rebates. Additionally, one customer may submit multiple rebate applications for different measures, each of which will be evaluated on its own merits. Similar measures that are proposed in different facilities or buildings will be evaluated separately. However, no customer, including those with multiple facilities or buildings, may receive more than \$20,000 in incentives for any program year.

TERMS & CONDITIONS:

This Program will provide rebates to Participants that install, replace or retrofit qualifying electric savings measures, such as HVAC systems, motors, lighting, or motors. Terms of the rebate are:

1. Prescriptive Rebates for measures such as including lighting, HVAC equipment, motors and variable frequency drives are available to all customers identified as Participants. A listing of the Prescriptive Rebates may be found on the Company's website, www.empiredistrict.com. If a measure is eligible for a Prescriptive Rebate, it is not eligible for a Custom Rebate on the same measure. A customer may apply for the prescriptive rebates by accessing the application on the Company's website and forwarding the application along with the invoice, if the items have been purchased, to any of the following contacts:

E-Mail: energy.efficiency@empiredistrict.com

Fax: 417-625-5173 Attn: Energy Efficiency Programs

For ALL TERRITORY

PROMOTIONAL PRACTICES SCHEDULE PRO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 8j

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Original Sheet No. 8j

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

K. Small Business Lighting Program

APPLICATION:

The Missouri Small Business Lighting Program is designed to offer eligible customers a free lighting energy audit that includes information on potential energy savings as well as incentives that cover up to seventy percent (70%) of the equipment and installation costs. The Empire District Electric Company's (Company) participation in such financial incentives is limited to the program budget approved by the Missouri Public Service Commission (Commission) in EO-2014-0030.

AVAILABILITY:

This program is available on a first-come, first-served basis to non-residential customers located in Missouri with an average electric demand of less than 250 kW per year. Eligible measures include permanent interior lighting fixtures and ballasts, such as T5 lamps, LED exit signs, pulse-start metal halides and occupancy sensors.

PROGRAM GOALS:

Program goals include:

- Effectively installing efficient equipment through the program.
- Educating commercial customers about the benefits of new energy efficient lighting technologies.
- Helping commercial customers reduce their electricity bills.
- Building consumer confidence in the reliability of savings estimates through an educated sales force and a highly tailored program approach.

TERMS & CONDITIONS:

1. Empire plans to select an implementation contractor that will provide the lighting audit and information on lighting incentives.
2. Incentives will be assigned directly to the contractor, so that the value of utility incentives is reduced directly from the sale price of the project.
3. The contractor's duties may include:
 - Marketing and promotional activities
 - Screening eligible measures
 - Selecting and managing lighting contractors
 - Tracking program results
4. The implementation contractor may contact business owners, operators, property owners and tenants as well as participate in trade association and business organization events.

TERM:

This tariff and program shall be effective from the date of Commission approval through December 31, 2016 unless terminated earlier by Commission.

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The Empire District Electric Company
Analysis of DSIM Impact By Rate Class

<u>Description</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>
Residential-Monthly					
Average Usage	1,107	1,107	1,107	1,107	1,107
Average Bill	\$ 131.62	\$ 131.62	\$ 131.62	\$ 131.62	\$ 131.62
DSIM Impact	\$ 2.05	\$ 2.47	\$ 2.91	\$ 2.56	\$ 2.39
Percentage	1.56%	1.87%	2.21%	1.95%	1.81%
Commercial-Monthly					
Average Usage	1,444	1,444	1,444	1,444	1,444
Average Bill	\$ 192.60	\$ 192.60	\$ 192.60	\$ 192.60	\$ 192.60
DSIM Impact	\$ 2.67	\$ 3.22	\$ 3.79	\$ 3.34	\$ 3.12
Percentage	1.39%	1.67%	1.97%	1.73%	1.62%
General Power-Monthly (A)					
Average Usage	40,738	40,738	40,738	40,738	40,738
Average Bill	\$ 3,989.72	\$ 3,989.72	\$ 3,989.72	\$ 3,989.72	\$ 3,989.72
DSIM Impact	\$ 75.37	\$ 90.81	\$ 107.06	\$ 94.27	\$ 87.91
Percentage	1.89%	2.28%	2.68%	2.36%	2.20%
Large Power-Monthly (A)					
Average Usage	1,439,173	1,439,173	1,439,173	1,439,173	1,439,173
Average Bill	\$ 111,738.89	\$ 111,738.89	\$ 111,738.89	\$ 111,738.89	\$ 111,738.89
DSIM Impact	\$ 2,662.47	\$ 3,207.92	\$ 3,782.15	\$ 3,330.25	\$ 3,105.74
Percentage	2.38%	2.87%	3.38%	2.98%	2.78%

Note A: Excludes non-participating Opt Out customers and Missouri Lighting Accounts

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Appendix H

DSM Potential Studies

For an analysis of DSM Potential in Empire's service area see Volume 5 of Empire's 2013 Integrated Resource Plan, EO-2013-0547, with an emphasis of review on Section 2 of Volume 5. The table of contents of Volume 5 of Empire's IRP is also included in Appendix H.

HC

VOLUME 5

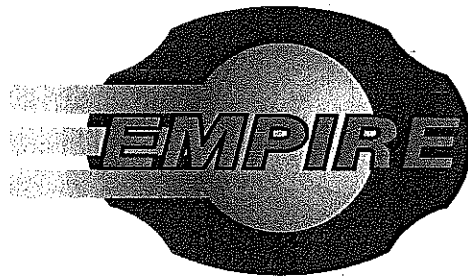
DEMAND-SIDE RESOURCE ANALYSIS

**THE EMPIRE DISTRICT
ELECTRIC COMPANY**

4 CSR 240-22.050

CASE NO. EO-2013-0547

JULY 2013



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Appendix I

Preferred Plan

For an analysis of Empire's Preferred Integrated Resource Plan, including demand-side management, see Volume 1 of Empire's 2013 Integrated Resource Plan, EO-2013-0547, with an emphasis of review on the demand-side components. The table of contents of Volume 1 of Empire's IRP is also included in Appendix I.

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VOLUME 1

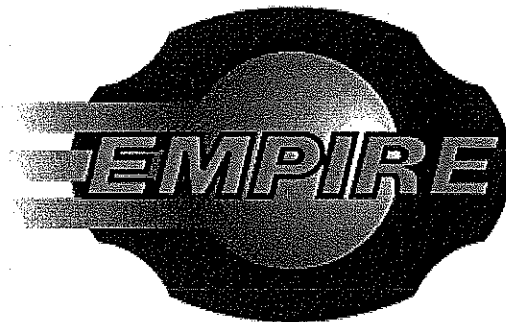
**INTEGRATED RESOURCE PLAN (IRP)
EXECUTIVE SUMMARY**

**THE EMPIRE DISTRICT ELECTRIC COMPANY
(EMPIRE)**

4 CSR 240-22

CASE NO. EO-2013-0547

JULY 2013



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Appendix J

Evaluation, Measurement & Verification Plan

For an analysis of DSM Potential in Empire's service area see Volume 5 of Empire's 2013 Integrated Resource Plan, EO-2013-0547, with an emphasis of review on Section 7 of Volume 5. The table of contents of Volume 5 of Empire's IRP is also included in Appendix H.

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VOLUME 5

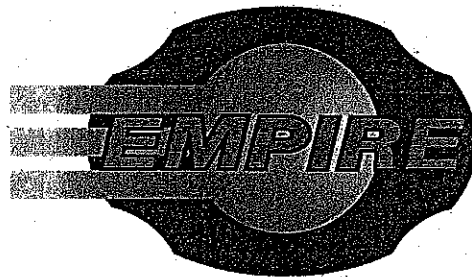
DEMAND-SIDE RESOURCE ANALYSIS

**THE EMPIRE DISTRICT
ELECTRIC COMPANY**

4 CSR 240-22.050

CASE NO. EO-2013-0547

JULY 2013



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**STATE OF MISSOURI
PUBLIC SERVICE COMMISSION**

At a session of the Public Service
Commission held at its office in
Jefferson City on the 27th day of
June, 2012.

In the Matter of Empire District Electric Company's)
2010 Utility Resource Filing Pursuant to CSR 240-22) **File No. EO-2011-0066**

In the Matter of The Empire District Electric Company's)
Application Concerning Demand-Side Programs)
and a Demand-Side Program Investment Mechanism) **File No. EO-2012-0206**

**ORDER APPROVING SECOND NONUNANIMOUS
STIPULATION AND AGREEMENT**

Issue Date: June 27, 2012

Effective Date: July 3, 2012

On September 3, 2010, The Empire District Electric Company ("Empire") filed its 2010 Integrated Resource Planning Filing ("IRP"); File Number EO-2011-0066. The Commission accepted that plan when it approved an unopposed Nonunanimous Stipulation and Agreement, effective on April 27, 2012. That file was subsequently closed.

On February 28, 2012, Empire filed an application seeking approval of demand-side programs and for authority to establish a Demand Side Management Investment Mechanism tracker; File Number EO-2012-0206. Since its filing, the parties have held numerous technical conferences.

On June 6, 2012, Empire, the Commission's Staff, the Office of the Public Counsel, the Missouri Department of Natural Resources, and Dogwood Energy, L.L.C. (collectively, the "Signatories") filed their Second Nonunanimous Stipulation and Agreement ("Second

Agreement") in File Number EO-2011-0066. This filing re-opened this file, but the Second Agreement affects the outcome of File Number EO-2012-0206. Praxair, Inc., ("Praxair") and The Missouri Joint Municipal Electric Utility Commission (MJMEUC) have represented that they do not oppose the Second Agreement.

Essentially, the Second Agreement provides that Empire will withdraw its pending Missouri Energy Efficiency Investment Act ("MEEIA") filing in File No. EO-2012-0206 and file a new application under the Commission's MEEIA rules after Empire makes its next Chapter 22 triennial compliance filing. The Signatories state that Empire is in the process of completing its required Demand-Side Management ("DSM") market potential study and that withdrawing its MEEIA filing will afford Empire the opportunity to complete its study and use the results of that study to provide for a comprehensive Chapter 22 triennial compliance filing, due on April 1, 2013, followed by a comprehensive MEEIA filing.

Commission Rule 4 CSR 240-2.115 provides that if no objection is made to a non-unanimous stipulation and agreement within seven days of its filing, the stipulation and agreement may be treated as unanimous. No participant to this matter objected within the seven day deadline, nor were any comments or responses filed by the response deadline. Because no participant has filed a timely objection to the Second Agreement, it will be treated as a unanimous agreement.

Based on the Commission's independent and impartial review of the unopposed Second Agreement, the Commission finds that the Second Agreement is consistent with the public interest and shall approve it.

THE COMMISSION ORDERS THAT:

1. The Second Nonunanimous Stipulation and Agreement filed on June 6, 2012, in File Number EO-2011-0066, is approved. The provisions of the Second Agreement are incorporated into this order, as if fully set forth, unconditionally and without modification. The signatory parties shall comply with the terms of the Second Agreement. A copy of the agreement will be attached to this order as Appendix A.

2. The Empire District Electric Company shall file notice of withdrawing its pending Missouri Energy Efficiency Investment Act filing in File No. EO-2012-0206 no later than seven days after the effective date of this order.

3. This order shall become effective on July 3, 2012.

4. This file shall be closed on July 11, 2012.

BY THE COMMISSION



Steven C. Reed
Secretary

(S E A L)

Gunn, Chm., Jarrett, Kenney, and
Stoll, CC., concur.

Stearley, Deputy Chief Regulatory Law Judge

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of The Empire District Electric	)	
Company's Application for Approval of	)	
Demand-Side Programs and for Authority to	)	File No. EO-2012-0206
Establish a Demand-Side Programs Investment	)	
Mechanism.	)	

In the Matter of The Empire District Electric	)	
Company's 2010 Utility Resource Filing	)	File No. EO-2011-0066
Pursuant to 4 CSR 240-22.	)	

EMPIRE'S NOTICE OF WITHDRAWAL OF MEEIA APPLICATION

COMES NOW The Empire District Electric Company ("Empire"), by and through counsel, and, pursuant to the *Order Approving Second Nonunanimous Stipulation and Agreement* issued by the Missouri Public Service Commission ("Commission") in File Nos. EO-2012-0206 and EO-2011-0066, withdraws its Application submitted in File No. EO-2012-0206 on February 28, 2012, and submits this Notice of Withdrawal. In support thereof, Empire respectfully states as follows:

1. On February 28, 2012, Empire filed its Application in Commission File No. EO-2012-0206 seeking approval, pursuant to RSMo. §393.1075 (the Missouri Energy Efficiency Investment Act ("MEEIA")), of a new Missouri demand-side management ("DSM") portfolio, including four new DSM programs, and for the authority to establish a Demand Side Management Investment Mechanism ("DSIM") rider. Numerous technical conferences were held in the matter to discuss Empire's proposed DSM portfolio and DSIM rider.

2. On June 6, 2012, Empire and certain other parties to Empire's 2010 Integrated Resource Planning ("IRP") proceeding, Commission File No. EO-2011-0066, filed their Second Nonunanimous Stipulation and Agreement ("Second Agreement"). This Second Agreement was approved by the Commission in its *Order Approving Second Nonunanimous Stipulation and Agreement* dated June 27, 2012, effective July 3, 2012, issued in the IRP proceeding and in the MEEIA proceeding (File No. EO-2012-0206). The Second Agreement provides for Empire to

withdraw its MEEIA Application, and the Commission's *Order Approving Second Nonunanimous Stipulation and Agreement* directs Empire to "file notice of withdrawing its pending Missouri Energy Efficiency Investment Act filing in File No. EO-2012-0206 no later than seven days after the effective date of this order."

WHEREFORE, pursuant to the Second Agreement and the Commission's *Order* approving the same, Empire hereby withdraws its MEEIA Application and respectfully submits this Notice of Withdrawal. Empire requests such relief as is just and proper under the circumstances.

BRYDON, SWEARENGEN & ENGLAND P.C.

By:

/s/ Diana C. Carter
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ATTORNEYS FOR THE EMPIRE DISTRICT
ELECTRIC COMPANY

Certificate of Service

I hereby certify that copies of the foregoing have been mailed, hand-delivered, or transmitted by facsimile or electronic mail on this 5th day of July, 2012, to all counsel of record.

/s/ Diana C. Carter

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of Empire District Electric)	
Company's 2010 Filing Pursuant to)	File No. EO-2011-0066
4 CSR 240 -22 Electric Utility)	
Resource Planning)	

SECOND NONUNANIMOUS STIPULATION AND AGREEMENT

Come now The Empire District Electric Company ("Empire" or "Company"), the Staff of the Missouri Public Service Commission ("Staff"), the Office of the Public Counsel, the Missouri Department of Natural Resources, and Dogwood Energy, LLC (collectively, the "Signatories") and hereby submit to the Missouri Public Service Commission ("Commission") this *Second Nonunanimous Stipulation and Agreement* ("Agreement"):

Background

1. On April 1, 2011, various parties to Empire's 2010 Chapter 22 Filing, this docket, File No. EO-2011-0066, filed a *Nonunanimous Stipulation and Agreement* ("2011 Agreement"). On April 27, 2011, the Commission entered its *Order Approving Nonunanimous Stipulation and Agreement and Accepting Integrated Resource Plan* ("2011 Order") which approved the 2011 Agreement.

2. The 2011 Agreement contained various provisions relating to a filing to be made by Empire pursuant to the Missouri Energy Efficiency Investment Act (MEEIA) statute and rules, as well as various provisions relating to Empire's existing and potential portfolio of demand-side management (DSM) programs.

3. In pertinent part, the 2011 Agreement provided a time frame for Empire to request the Commission's approval of identified DSM programs and a demand-side

programs investment mechanism (DSIM) pursuant to the Commission's MEEIA rules¹ and indicated a commitment by Empire to continue its existing DSM portfolio.²

¹ The Commission's MEEIA rules include 4 CSR 240-3.163, 4 CSR 240-3.164, 4 CSR 240-20.093 and 4 CSR 240-20.094, which all became effective on May 30, 2011.

² 7. The Signatories anticipate that the filing schedule in the Commission's revised Chapter 22 subsection 4 CSR 240-22.080(1) will require Empire to file its next Chapter 22 triennial compliance filing by April 1, 2013. The Signatories agree that there is not adequate time prior to the anticipated April 1, 2013 filing date to resolve all of Empire's September 2010 filing's alleged deficiencies through a revised filing in this case and to allow the Signatories adequate time to focus their attention and efforts on Empire's next Chapter 22 triennial compliance filing. The Signatories agree to focus their time and resources on Empire's next Chapter 22 triennial compliance filing, provided that Empire agrees to the following:

b. As specified in Paragraph 9, Empire agrees to work with the Stakeholder Advisory Group to request the Commission's approval to implement new demand-side programs, including the demand-side programs in Empire's preferred resource plan in the September 2010 filing, after the effective date of the Commission's MEEIA rules;

9. As referenced in 7.b., the Signatories agree to the following provisions with respect to planning and implementation of new demand-side programs during the period between the effective date of this Agreement and Empire's anticipated April 2013 filing. This period will be referred to as the "interim period":

a. New demand-side programs whose implementation was described during the interim period in the September 2010 filing include (1) an ENERGY STAR® washing machine rebate program, (2) a Residential High Efficiency Lighting program, and (3) a Home Energy Comparison Reports program.

b. As referenced in Paragraph 7.b., to augment the demand-side resource portfolio contained in the resource acquisition strategy in the September 2010 filing, three additional demand-side programs will be considered. These programs are a refrigerator recycling program, an ENERGY STAR® refrigerator rebate program and a pilot ENERGY STAR® dehumidifier rebate program.

c. Empire will, unless advised otherwise by at least two non-utility members of the Stakeholder Advisory Group, request the Commission's approval of: 1) the demand-side programs identified in Paragraphs 9.a. and 9.b., except as described in part 9.d., and 2) a demand-side programs investment mechanism ("DSIM") within nine months of the effective date of the Commission's MEEIA rules during the interim period.

d. If the revised ENERGY STAR® dehumidifier standard has not been published at the time specified in Paragraph 9.c., then the pilot ENERGY STAR® dehumidifier rebate program shall be considered at a later time than the other demand-side programs listed in Paragraphs 9.a. and 9.b. Empire, in consultation with the Stakeholder Advisory Group, shall consider this program for implementation during the interim period, within three months following the publication by the U.S. Environmental Protection Agency's revised standard for ENERGY STAR® dehumidifiers.

e. Alternative Demand-Side Programs Cost Recovery Mechanism: In the event the cost recovery provisions of the MEEIA rules are not in effect, the parties will support a reasonable request for an Accounting Authority Order authorizing the Company to accumulate the costs associated with new demand-side programs in regulatory asset accounts as the program(s) costs are incurred, unless a mechanism concerning these costs is established in File No. ER-2011-0004. The amortization of these deferred program costs and the recovery of these deferred program costs from the Company's customers, if not later addressed by a DSIM, shall be addressed in the Company's subsequent electric general rate proceeding.

11. The Signatories agree to the following provisions with respect to Empire's existing demand-side programs. Empire shall consult with the Stakeholder Advisory Group concerning the future of Empire's existing portfolio of energy efficiency programs under MEEIA or the Commission's MEEIA rules. If

4. On February 28, 2012, Empire submitted its application for Commission approval of its proposed demand-side programs and for authority to establish a DSIM tracker in File No. EO-2012-0206 ("MEEIA filing").

Superseding Agreement

5. For various reasons, described below, the Signatories agree to supersede the time constraints identified in Paragraph 7.b., Paragraphs 9.c. – 9.e., and Paragraph 11. of the 2011 Agreement.

6. The effect of superseding the 2011 Agreement, as described below, will be to allow Empire to withdraw its pending MEEIA filing in File No. EO-2012-0206 and to file a new application under the Commission's MEEIA rules after Empire makes its next Chapter 22 triennial compliance filing.³

7. The Signatories agree that the benefits afforded by incorporating the results of Empire's upcoming Chapter 22 triennial compliance filing into its new MEEIA filing justify the relatively short delay. Empire is in the process of completing a DSM market potential study as required by paragraph 13.c. of the 2011 Agreement. Withdrawing its MEEIA filing will afford Empire the opportunity to complete its study and use the results of that study to provide for a comprehensive Chapter 22 triennial compliance filing due April 1, 2013, and then a comprehensive MEEIA filing.

Empire determines, in consultation with the Stakeholder Advisory Group, that a continuation or modification of any or all of the existing programs is warranted, Empire shall file for approval of the such programs and for approval of a DSIM under the MEEIA or the Commission's MEEIA rules within nine (9) months of the effective date of the Commission's MEEIA rules. Empire agrees to work with the Stakeholders Advisory Group and a demand-side consultant, if necessary, to analyze the levels of participation and the incentive levels for each of Empire's existing demand-side programs and develop a plan that will maximize the savings attributable to each program while maintaining Total Resource Cost levels of 1.0 or greater.

³ Empire is required, under 4 CSR 240-22.080(3), to submit its next Chapter 22 triennial compliance filing by April 1, 2013.

8. Empire renews its commitment to continue its current DSM programs until such time as a new MEEIA filing is approved, rejected, or modified by the Commission with the agreement of Empire; and all Signatories agree not to propose any additional DSM programs or changes to Empire's existing DSM programs for implementation prior to such time as a new MEEIA filing is approved, rejected, or modified by the Commission with the agreement of Empire. Nothing in this paragraph is intended to limit the parties in the case docketed to address Empire's upcoming Chapter 22 triennial compliance filing in alleging deficiencies and proposing remedies in response to that filing.

9. Empire agrees to meet with the parties to File Nos. EO-2011-0066 and EO-2012-0206 within 30 days of its Chapter 22 triennial compliance filing due April 1, 2013, to discuss any cost effective Realistic Achievable Potential (RAP) DSM portfolio contained in Empire's 2013 Preferred Plan pursuant to Chapter 22. Empire agrees to make its new MEEIA filing within 90 days of that meeting, unless agreed otherwise by the parties to File Nos. EO-2011-0066 and EO-2012-0206.

10. For purposes of paragraph 9.c. – 9.e. of the 2011 Agreement, the Signatories agree that the definition of "interim period," provided in Paragraph 9 of the 2011 Agreement shall be superseded with the meaning: the period between the effective date of this Agreement and four (4) months following when Empire makes its next Chapter 22 triennial compliance filing, unless agreed otherwise by the parties to File Nos. EO-2011-0066 and EO-2012-0206.

11. For purposes of Paragraphs 9.c. – 9.e. and Paragraph 11 of the 2011 Agreement, the Signatories agree that the time constraint of "within nine (9) months of

the effective date of the Commission's MEEIA rules" shall be superseded by the time constraint of: four (4) months following when Empire makes its next Chapter 22 triennial compliance filing, unless agreed otherwise by the parties to File Nos. EO-2011-0066 and EO-2012-0206.

12. Counsel for Praxair, Inc., ("Praxair") and counsel for The Missouri Joint Municipal Electric Utility Commission (MJMEUC) have represented that Praxair and MJMEUC do not oppose this agreement.

Effect of this Agreement

13. None of the Signatories shall be deemed to have approved or acquiesced in any question of Commission authority, the interpretation of specific provisions of the Commission's Chapter 22 rule, the interpretation of compliance with specific provisions the Stipulation and Agreement reached in File No. ER-2010-0130, accounting authority order principle, cost of capital methodology, capital structure, decommissioning methodology, ratemaking or procedural principle, valuation methodology, cost of service methodology or determination, depreciation principle or method, rate design methodology, jurisdictional allocation methodology, cost allocation, cost recovery, or question of prudence, that may underlie this Agreement, or for which provision is made in this Agreement.

14. This Agreement represents a negotiated settlement. Except as specified herein, the Signatories to this Agreement shall not be prejudiced, bound by, or in any way affected by the terms of this Agreement: (i) in any future proceeding; (ii) in any proceeding currently pending under a separate docket; and/or (iii) in this proceeding

should the Commission decide not to approve this Agreement, or in any way condition its approval of same.

15. This Agreement does not constitute a waiver of any Signatory's rights regarding appeal of the Commission's MEEIA rules or any other provision of law or limit those rights in any way. This Agreement does not constitute a waiver of any Signatory's right to object to or oppose any filing or action made or taken by Empire, including filings or actions made or taken pursuant to this Agreement. In the event that the Commission does not approve and adopt the terms of this Agreement in total, or approves this Agreement with modifications or conditions that a Signatory objects to, it shall be void and no Signatory shall be bound, prejudiced, or in any way affected by any of the agreements or provisions hereof.

16. When approved and adopted by the Commission, this Agreement shall constitute a binding agreement between the Signatories hereto. The Signatories shall cooperate in defending the validity and enforceability of this Agreement and the operation of this Agreement according to its terms. Nothing in this Agreement is intended to impinge, restrict or limit in any way any party's discovery powers.

17. This Agreement does not constitute a contract with the Commission. Acceptance of this Agreement by the Commission shall not be deemed as constituting an agreement on the part of the Commission to forego, during the term of this Agreement, the use of any discovery, investigative or other power of the Commission. Thus, nothing in this Agreement is intended to impinge or restrict in any manner the exercise by the Commission, or of any Signatory, of any statutory right, including the right to access information, or any statutory obligation.

Commission Approval

18. If the Commission has questions for the Signatories, the Signatories will make available, at any on-the-record session, their experts/witnesses and attorneys so long as all Signatories have had adequate notice of that session. The Signatories agree to cooperate in presenting this Agreement to the Commission for approval, and will take no action, direct or indirect, in opposition to the request for approval of this Agreement.

19. The provisions of this Agreement have resulted from extensive negotiations among the Signatories and the provisions are interdependent. If the Commission does not unconditionally approve this Agreement without modification, and notwithstanding its provision that it shall become void thereon, neither this Agreement, nor any matters associated with its consideration by the Commission, shall be considered or argued to be a waiver of the rights that any Signatory has to a hearing on the issues presented by the Agreement, for cross-examination, or for a decision in accordance with Section 536.080 RSMo 2000 or Article V, Section 18 of the Missouri Constitution, and the Signatories shall retain all procedural and due process rights as fully as though this Agreement had not been presented for approval, and any suggestions or memoranda, testimony or exhibits that have been offered or received in support of this Agreement shall thereupon become privileged as reflecting the substantive content of settlement discussions and shall be stricken from and not be considered as part of the administrative or evidentiary record before the Commission for any further purpose whatsoever.

20. In the event the Commission accepts the specific terms of this Agreement without modification, the Signatories waive their respective rights to call, examine and

cross-examine witnesses, pursuant to Section 536.070(2) RSMo 2000; their respective rights to present oral argument and written briefs pursuant to Section 536.080.1 RSMo 2000; their respective rights to the reading of the transcript by the Commission pursuant to Section 536.080.2 RSMo 2000; their respective rights to seek rehearing, pursuant to Section 386.500 RSMo 2000; and their respective rights to judicial review pursuant to Section 386.510 RSMo 2000. This waiver applies only to a Commission Report and Order respecting this Agreement issued in this proceeding, and does not apply to any matters raised in any subsequent Commission proceeding, or any matters not explicitly addressed by this Agreement.

WHEREFORE, the Signatories respectfully request the Commission accept this Agreement and issue an order approving this Agreement.

Respectfully submitted,

THE EMPIRE DISTRICT ELECTRIC
COMPANY

/s/ Diana C. Carter

Diana C. Carter, MBE 50527

Attorney for

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COMMISSION

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MISSOURI DEPARTMENT OF NATURAL
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Attorney for Missouri Department of Natural
Resources

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing have been mailed, hand-delivered, or transmitted by facsimile or electronic mail to all counsel of record this 6th day of June, 2012.

/s/ Sarah Kliethermes

**STATE OF MISSOURI
PUBLIC SERVICE COMMISSION**

At a session of the Public Service
Commission held at its office in
Jefferson City on the 27th day of
June, 2012.

In the Matter of Empire District Electric Company's)
2010 Utility Resource Filing Pursuant to CSR 240-22) **File No. EO-2011-0066**

In the Matter of The Empire District Electric Company's)
Application Concerning Demand-Side Programs)
and a Demand-Side Program Investment Mechanism) **File No. EO-2012-0206**

**ORDER APPROVING SECOND NONUNANIMOUS
STIPULATION AND AGREEMENT**

Issue Date: June 27, 2012

Effective Date: July 3, 2012

On September 3, 2010, The Empire District Electric Company ("Empire") filed its 2010 Integrated Resource Planning Filing ("IRP"); File Number EO-2011-0066. The Commission accepted that plan when it approved an unopposed Nonunanimous Stipulation and Agreement, effective on April 27, 2012. That file was subsequently closed.

On February 28, 2012, Empire filed an application seeking approval of demand-side programs and for authority to establish a Demand Side Management Investment Mechanism tracker; File Number EO-2012-0206. Since its filing, the parties have held numerous technical conferences.

On June 6, 2012, Empire, the Commission's Staff, the Office of the Public Counsel, the Missouri Department of Natural Resources, and Dogwood Energy, L.L.C. (collectively, the "Signatories") filed their Second Nonunanimous Stipulation and Agreement ("Second

Agreement”) in File Number EO-2011-0066. This filing re-opened this file, but the Second Agreement affects the outcome of File Number EO-2012-0206. Praxair, Inc., (“Praxair”) and The Missouri Joint Municipal Electric Utility Commission (MJMEUC) have represented that they do not oppose the Second Agreement.

Essentially, the Second Agreement provides that Empire will withdraw its pending Missouri Energy Efficiency Investment Act (“MEEIA”) filing in File No. EO-2012-0206 and file a new application under the Commission’s MEEIA rules after Empire makes its next Chapter 22 triennial compliance filing. The Signatories state that Empire is in the process of completing its required Demand-Side Management (“DSM”) market potential study and that withdrawing its MEEIA filing will afford Empire the opportunity to complete its study and use the results of that study to provide for a comprehensive Chapter 22 triennial compliance filing, due on April 1, 2013, followed by a comprehensive MEEIA filing.

Commission Rule 4 CSR 240-2.115 provides that if no objection is made to a non-unanimous stipulation and agreement within seven days of its filing, the stipulation and agreement may be treated as unanimous. No participant to this matter objected within the seven day deadline, nor were any comments or responses filed by the response deadline. Because no participant has filed a timely objection to the Second Agreement, it will be treated as a unanimous agreement.

Based on the Commission’s independent and impartial review of the unopposed Second Agreement, the Commission finds that the Second Agreement is consistent with the public interest and shall approve it.

THE COMMISSION ORDERS THAT:

1. The Second Nonunanimous Stipulation and Agreement filed on June 6, 2012, in File Number EO-2011-0066, is approved. The provisions of the Second Agreement are incorporated into this order, as if fully set forth, unconditionally and without modification. The signatory parties shall comply with the terms of the Second Agreement. A copy of the agreement will be attached to this order as Appendix A.

2. The Empire District Electric Company shall file notice of withdrawing its pending Missouri Energy Efficiency Investment Act filing in File No. EO-2012-0206 no later than seven days after the effective date of this order.

3. This order shall become effective on July 3, 2012.

4. This file shall be closed on July 11, 2012.

BY THE COMMISSION



Steven C. Reed
Secretary

(S E A L)

Gunn, Chm., Jarrett, Kenney, and
Stoll, CC., concur.

Stearley, Deputy Chief Regulatory Law Judge

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of Empire District Electric)	
Company's 2010 Filing Pursuant to)	File No. EO-2011-0066
4 CSR 240 -22 Electric Utility)	
Resource Planning)	

NONUNANIMOUS STIPULATION AND AGREEMENT

Pursuant to 4 CSR 240-22.080(8), The Empire District Electric Company ("Empire" or "Company"), the Staff of the Missouri Public Service Commission ("Staff"), the Office of the Public Counsel ("OPC"), the Missouri Department of Natural Resources ("MDNR"), and Dogwood Energy, LLC ("Dogwood") (collectively, the "Signatories") hereby submit to the Missouri Public Service Commission ("Commission") this Stipulation and Agreement ("Agreement") to remedy all alleged deficiencies and concerns expressed by the non-Empire Signatories in this case.

The agreements set forth in this Agreement apply to Empire's September 2010 Chapter 22 compliance filing ("September 2010 filing") and to Empire's next Chapter 22 triennial compliance filing, scheduled for April 1, 2013 ("April 2013 filing"). All references to Chapter 22 provisions in this Agreement are to the Chapter 22 rules that were in place at the time of Empire's September 2010 filing. All references to revised Chapter 22 rules in this Agreement are to the Commission's Chapter 22 rules which become effective as a result of the rulemaking process in File No. EX-2010-0254.

In support hereof, the Signatories offer as follows:

BACKGROUND

1. On February 26, 2010, Empire requested variances and clarifications from the Chapter 22 rules in File No. EE-2010-0246. The Commission issued an Order Granting Application for Variance in the same case on June 16, 2010. On September 3, 2010, Empire submitted its September 2010 filing in File No. EO-2011-0066.
2. On January 3, 2011, Staff, MDNR, and Dogwood submitted reports identifying alleged deficiencies and concerns with Empire's September 2010 filing.
3. 4 CSR 240-22.080(8) provides that if the Staff, OPC or any intervenor finds deficiencies in a utility's filing, they shall work with the electric utility and the other parties in an attempt to reach a joint agreement on a plan to remedy the identified deficiencies. The parties have worked together to develop such a joint agreement, and those efforts have resulted in this Agreement.
4. MDNR identified 33 alleged deficiencies in Empire's September 2010 filing and for several of these deficiencies proposed that Empire be required to revise aspects of its September 2010 filing. Staff identified eight alleged deficiencies and three concerns, while Dogwood identified four alleged deficiencies/concerns.

AGREEMENTS

5. The "effective date" of the Missouri Energy Efficiency Investment Act of 2009, § 393.1075, RSMO, Supp. 2009, ("MEEIA") rules (proposed rules 4 CSR 240-3.163, 4 CSR 240-3.164, 4 CSR 240-20.093 and 4 CSR 240-20.094) is defined as the date thirty days after the publication of the MEEIA rules in the Code of State Regulations, unless specified as a later date by the Commission, for purposes of this agreement. This definition will apply to all references to the effective date of the Commission's MEEIA

rules in this document and in Appendix A. This reference is intended only to identify specific provisions of the presently-proposed rule and is not intended to express any position with respect to any judicial review or any other actions regarding the presently-proposed rules or any result thereof.

6. Where work papers or data request responses include models or spreadsheets or similar information originally in a commonly available format where inputs or parameters may be changed to observe changes in inputs, if available in that original format, the party providing the work paper or response shall provide this type of information in that original format with formulas intact. All parties shall provide its work papers to the Signatories in electronic format by e-mailing or by delivery of a compact disk or other electronic storage media. However, if such materials from outside consultants are proprietary, the parties agree to discuss whether it is necessary to produce those materials and, if so, the appropriate handling of the materials before the information is provided.
7. The Signatories anticipate that the filing schedule in the Commission's revised Chapter 22 subsection 4 CSR 240-22.080(1) will require Empire to file its next Chapter 22 triennial compliance filing by April 1, 2013. The Signatories agree that there is not adequate time prior to the anticipated April 1, 2013 filing date to resolve all of Empire's September 2010 filing's alleged deficiencies through a revised filing in this case and to allow the Signatories adequate time to focus their attention and efforts on Empire's next Chapter 22 triennial compliance filing. The Signatories agree to focus their time and resources on Empire's next Chapter 22 triennial compliance filing, provided that Empire agrees to the following:

- a. As specified in Paragraph 8, Empire agrees to confer with the other Signatories in a Stakeholder Advisory Group process on specific aspects of the Commission's revised Chapter 22 rules and associated documentation for purposes of the April 2013 filing as set out in this Agreement;
- b. As specified in Paragraph 9, Empire agrees to work with the Stakeholder Advisory Group to request the Commission's approval to implement new demand-side programs, including the demand-side programs in Empire's preferred resource plan in the September 2010 filing, after the effective date of the Commission's MEEIA rules;
- c. As specified in Paragraph 12, Empire reaffirms that specific provisions from File No. EE-2010-0246 shall apply to its April 2013 filing;
- d. As specified in Paragraph 13, Empire agrees to consider and incorporate relevant provisions of the Commission's MEEIA rules into its development of planning objectives and resource acquisition strategy for its April 2013 filing; and,
- e. Empire agrees to the additional provisions specified in this Agreement that are intended to resolve allegations of deficiencies and concerns that the non-Empire Signatories identified in Empire's September 2010 filing and prevent those types of alleged deficiencies in Empire's April 2013 filing.

The Commission's Chapter 22 process is designed to produce a Company endorsed resource acquisition strategy. In order for the resource planning process to be meaningful, it must reflect the input of, and be endorsed by, Empire's management. By signing this Agreement, Empire verifies management's endorsement of this Agreement.

- 8. As referenced in Paragraph 7.a., Empire agrees to undertake the Stakeholder Advisory Group process set out in this Agreement. The Stakeholder Advisory Group process is intended to assist Empire in its selection of analytic methods and to facilitate Empire's collection and use of new data for its April 2013 filing. The Stakeholder Advisory Group shall fulfill the stakeholder group functions set forth in 4 CSR 240-22.050(3)(F) and 4 CSR 240-22.080(5) of the Commission's revised Chapter 22 rules and any additional functions set forth in this agreement. The members of the Stakeholder Advisory Group shall be the Signatories to this Agreement, and other entities that join pursuant to other agreement or law, including 4 CSR 240-22.020(56) of the Commission's revised Chapter

22 rules. Parties to File Nos. ER-2011-0004 and EO-2011-0066 shall have the opportunity to elect to join the Stakeholder Advisory Group. The Signatories agree to show good faith in working to resolve any and all outstanding issues as they arise. The Signatories further agree to the schedule of the Stakeholder Advisory Group activities set out in Appendix A, "Stakeholder Advisory Group Process Agreement." The Stakeholder Advisory Group process outlined in Appendix A is not intended to be an exhaustive list of the issues to be addressed by the Stakeholder Advisory Group. The Stakeholder Advisory Group process will address methodological and documentation issues in the following five (5) areas:

- a. Empire's load analysis and load forecast;
 - b. Empire's screening and integrated resource analysis of supply-side resources, including resource options related to compliance with environmental regulation and including customer-sited combined heat and power ("CHP") installations;
 - c. Empire's screening and integrated resource analysis of energy efficiency and demand response resources;
 - d. Empire's analysis of uncertain factors and risk analysis; and
 - e. Empire's planning objectives and contingency planning.
9. As referenced in 7.b., the Signatories agree to the following provisions with respect to planning and implementation of new demand-side programs during the period between the effective date of this Agreement and Empire's anticipated April 2013 filing. This period will be referred to as the "interim period":
- a. New demand-side programs whose implementation was described during the interim period in the September 2010 filing include (1) an ENERGY STAR® washing machine rebate program, (2) a Residential High Efficiency Lighting program, and (3) a Home Energy Comparison Reports program.
 - b. As referenced in Paragraph 7.b., to augment the demand-side resource portfolio contained in the resource acquisition strategy in the September 2010 filing, three additional demand-side programs will be considered. These programs are a refrigerator recycling program, an ENERGY STAR® refrigerator rebate program and a pilot ENERGY STAR® dehumidifier rebate program.

- c. Empire will, unless advised otherwise by at least two non-utility members of the Stakeholder Advisory Group, request the Commission's approval of: 1) the demand-side programs identified in Paragraphs 9.a. and 9.b., except as described in part 9.d., and 2) a demand-side programs investment mechanism ("DSIM") within nine months of the effective date of the Commission's MEEIA rules during the interim period.
 - d. If the revised ENERGY STAR® dehumidifier standard has not been published at the time specified in Paragraph 9.c., then the pilot ENERGY STAR® dehumidifier rebate program shall be considered at a later time than the other demand-side programs listed in Paragraphs 9.a. and 9.b. Empire, in consultation with the Stakeholder Advisory Group, shall consider this program for implementation during the interim period, within three months following the publication by the U.S. Environmental Protection Agency's revised standard for ENERGY STAR® dehumidifiers.
 - e. Alternative Demand-Side Programs Cost Recovery Mechanism: In the event the cost recovery provisions of the MEEIA rules are not in effect, the parties will support a reasonable request for an Accounting Authority Order authorizing the Company to accumulate the costs associated with new demand-side programs in regulatory asset accounts as the program(s) costs are incurred, unless a mechanism concerning these costs is established in File No. ER-2011-0004. The amortization of these deferred program costs and the recovery of these deferred program costs from the Company's customers, if not later addressed by a DSIM, shall be addressed in the Company's subsequent electric general rate proceeding.
10. Empire shall engage a contractor to assist it in conducting the potential study to be used in the April 2013 filing as described in Appendix A, paragraph 16, and the design of any DSM programs that stem from the study. Among the possible program designs, Empire will include the following additional programs mentioned at the October 20, 2010 IRP meeting held in Jefferson City:
- i. Residential Building Shell Thermal Measures;
 - ii. Residential New Construction Measures;
 - iii. Commercial/Industrial Retrofit program;
 - iv. Future Lighting Programs.
- a. Prior to requesting Commission approval of new demand-side programs, including new demand-side programs identified in Paragraph 9.a. and 9.b., Empire agrees to confer with the Stakeholder Advisory Group concerning program participation levels, design and implementation at least quarterly.
11. The Signatories agree to the following provisions with respect to Empire's existing demand-side programs. Empire shall consult with the Stakeholder Advisory Group concerning the future of Empire's existing portfolio of energy efficiency programs under MEEIA or the Commission's MEEIA rules. If Empire determines, in consultation with the Stakeholder Advisory Group, that a continuation or modification of any or all of the

existing programs is warranted, Empire shall file for approval of the such programs and for approval of a DSIM under the MEEIA or the Commission's MEEIA rules within nine (9) months of the effective date of the Commission's MEEIA rules. Empire agrees to work with the Stakeholders Advisory Group and a demand-side consultant, if necessary, to analyze the levels of participation and the incentive levels for each of Empire's existing demand-side programs and develop a plan that will maximize the savings attributable to each program while maintaining Total Resource Cost levels of 1.0 or greater.

12. As referenced in Paragraph 7.c., Empire agrees that the following provisions, to which it agreed in File No. EE-2010-0246, shall apply to its April 2013 filing:

- a. Paragraph 5, Empire/MDNR Joint Statement of Position and Agreed Language Regarding Economic Variables, May 4, 2010, File No. EE-2010-0246:

Empire agrees to provide full disclosure of its load forecasting methodology, to include a description of all assumptions, equations and the rationale for any decisions made concerning any adjustments made to the data used to develop the forecast. As one aspect of this disclosure, Empire will describe any assumptions concerning future economic conditions that influenced or were incorporated into the company's specification or assignment of values to variables, coefficients or relationships in the equations used to forecast load over the 20-year planning horizon. Empire will provide all work papers supporting the IRP load forecast when it is completed. In addition, Empire's IRP load forecast work papers will be provided to MDNR in an electronic format.

- b. Staff's Recommendation to Grant Variances and Clarification Requested by Empire For its 2010 Electric Resource Planning Submission, March 31, 2010, File No. EE-2010-0246, Paragraph 30:

This outlines Empire's prior agreement with Staff to develop a plan addressing the feasibility of changing the Company's forecasting method for the IRP filing that will follow the September 2010 filing. This plan will include a proposed time line and cost estimate that can be used for further discussions. The plan will consider the use of economic variables; forecasting at the class cost of service level; and the requirements in the Load Analysis and Forecasting rule that will be in place at the time of the IRP filing that is subsequent to the September 2010 filing.

13. As referenced in Paragraph 7.d., Empire agrees to consider and incorporate the following into its planning and development strategy for demand-side resources:

- a. The MEEIA rules;
- b. Section 393.1075, RSMo Supp. 2009, Paragraph 4 - Empire shall incorporate a goal of achieving all cost-effective demand-side savings as an explicit planning objective and 4 CSR 240-20.094(2)(A) and (B) shall be used as a guideline to review progress toward an expectation that Empire's demand-side programs can achieve a goal of all cost-effective demand-side savings;
- c. A current market potential study. The current market potential study shall use primary data and analysis for the utility's service territory. The determination of whether to conduct a market potential study for the utility's service territory or for all statewide investor-owned electric utilities shall be at the discretion of the electric utility. If the current market potential study of the electric utility that is filing for approval of demand-side programs or a demand-side program plan is part of a statewide investor-owned electric utilities market potential study, the sampling methodology shall reflect each utility's service territory and shall provide statistically significant results for that utility. To the extent that primary data for each utility service territory is unavailable or insufficient, the market potential study may also rely on or be supplemented by data from secondary sources and relevant data from other geographic regions. The current market potential study shall be prepared by an independent third party with opportunities for commission staff and stakeholder review and input in the planning stages of the analysis including review of assumptions and methodology in advance of the performance of the study, and shall include at least the following:
 1. Complete documentation of all assumptions, definitions, methodologies, sampling techniques, and other aspects of the current market potential study;
 2. Clear description of the process used to identify the broadest possible list of measures and groups of measures for consideration;
 3. Clear description of the process used to determine technical potential, economic potential, maximum achievable potential, and realistic achievable potential for a twenty (20)-year planning horizon for major end-use groups (e.g., lighting, space heating, space cooling, refrigeration, motor drives, etc.) for each customer class; and
 4. Identification and discussion of the twenty (20)-year baseline energy and demand forecasts. If the baseline energy and demand forecasts in the current market potential study differ from the baseline forecasts in the utility's most recent 4 CSR 240-22 triennial compliance filing, the current market potential study shall provide a comparison of the two (2) sets of forecasts and a discussion of the reasons for any differences between the two (2) sets of forecasts. The twenty (20)-year baseline energy and demand forecasts shall account for the following:
 - A. Discussion of the treatment of all of the utility's customers who have opted out;
 - B. Changes in building codes and/or appliance efficiency standards;

- C. Changes in customer combined heat and power applications; and
- D. Third party and other naturally occurring demand-side savings.

4 CSR 240-22.010 Policy Objectives

14. MDNR Load Forecast ("LF") Alleged Deficiency #1 states MDNR's view that Empire's load forecast is not credible and that this shortcoming constitutes a deficiency that would cause the utility's resource acquisition strategy to fail to meet the requirements identified in 4 CSR 240-22.010(2)(A)–(C). To resolve the alleged deficiency, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.
15. MDNR Demand-Side Management ("DSM") Alleged Deficiency #1 states MDNR's view that Empire's filing has not met the requirement in 4 CSR 240-22.010(2) to "consider and analyze demand-side efficiency and energy management measures on an equivalent basis with supply-side alternatives in the resource planning process." MDNR additionally cites §22.060(4)(D), §22.060(3) and §22.070(2)(K) related to this requirement. To resolve the alleged deficiency, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.

4 CSR 240-22.030 Load Analysis and Forecasting

16. Staff's Concern A states: Lack of underlying economic data weakens confidence in the load analysis and load forecasts and is the primary driver for the total number of variances from 4 CSR 240-22.030. Although Empire had waivers in this area (File No. EE-2010-0246), in order to resolve this concern, Empire agrees to address this issue in

the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.

17. Staff's Concern B states: Empire's energy and demand load forecasts' growth rates seem high when considering (1) expectations for the current economic recession, and (2) energy and demand load forecasts' growth rates of other Missouri electric utilities. To resolve this concern, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.
18. MDNR-LF-Alleged Deficiency #2 states that Empire's base case forecast is overly optimistic in its expectation of future load growth. In addition, MDNR alleges that the Company's support for its assumptions and statistical models is insufficient. Support for these statements appears in pages 8-19 of the GDS consultant report that MDNR submitted with its January 3, 2011 comments. (§22.030(8)(H)). To resolve the alleged deficiency, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.
19. MDNR-LF-Alleged Deficiency #3 states that the support for Empire's development of its high case and low case load forecasts is unclear and inadequate. In addition, MDNR alleges that the basis for the high case and low case load forecasts appears to be biased toward stronger growth than can be supported by Empire's analysis. Support for these statements appears in the GDS report. (§22.030(7), §22.060(3), §22.070(2)(A)). To resolve the alleged deficiency, Empire agrees to address this issue in the Stakeholder

Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.

20. MDNR-LF-Alleged Deficiency #4 states that in preparing its load forecast, Empire has not considered economic or demographic drivers other than customer growth. In addition, MDNR alleges that Empire has not taken into account changes in the price of electricity, price of competitive energy sources, or personal income. Nor has Empire completed the utility analysis required by §22.030(8)(C). MDNR additionally cites the requirements of §22.030(5)(B)(2)(A), §22.030(6), §2.060(4)(C) and §22.030(8)(C). Although Empire had Commission approved waivers in this area for its September 2010 filing, in order to resolve the alleged deficiency, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.
21. The resolution of the load forecast deficiencies alleged in Paragraphs 16, 17 and 18 is based in part on the provisions for a feasibility study set forth in Paragraphs 11.b. and 21 of this Agreement and on the Stakeholder Advisory Group's involvement in reviewing and providing recommendations based on the feasibility study. The consultant's tasks will include identifying feasible alternatives for revising the forecast methodology to incorporate economic and demographic variables into the load analysis and forecasting. Empire agrees to conduct a feasibility study about changing the load analysis and forecasting methodology described in paragraph 12 of this Agreement for the April 2013 filing and to present the findings to the Stakeholder Advisory Group. A consultant will be involved in the feasibility study. Decisions on revisions to the load analysis and forecasting methodology and how the load analysis and forecasting is eventually

conducted will be guided by the results of the feasibility study and the Stakeholder Advisory Group.

22. In addition to the requirements of the load analysis and forecasting feasibility study outlined in Paragraph 11 and 20 of this Agreement, the load analysis and forecasting feasibility study will review internal and external data sources for their adequacy and appropriateness and provide an analytic structure and statistical model that will allow Empire to produce a set of load forecasts. The resulting statistical model should at a minimum control for multicollinearity and autocorrelation, use a standard set of statistical tests, and provide a robust estimate of the load forecasts' error bands over the 20-year planning horizon. The results of Empire's load forecasts will also be compared to load forecasts made by other electric utilities, both within and outside Missouri to the extent those forecasts are publicly available.

4 CSR 240-22.040 Supply-Side Resource Analysis

23. MDNR-Supply-Alleged Deficiency #1 states that Empire did not fully consider options for alternative supply side resources. Specifically, MDNR suggests that:
- a. Utility scale photovoltaic ("PV") options were not considered in the utility's supply-side resource analysis. Empire's treatment of biomass options is very limited;
 - b. In addition, a more thorough analysis of both PV and biomass generation should have been performed. (§22.040(1)); and,
 - c. Volume 4 does not document any screening of utility-scale CHP installations; nor does Volume 3 document any screening of customer-based CHP installation.
24. MDNR-Supply-Alleged Deficiency #2 states that Empire did not document the accuracy of its fuel price forecasts and alleges that Empire has provided no evidence that it has

considered the accuracy of previous fuel price forecasts prepared by Ventyx as a criterion for selecting that firm as a provider of fuel price forecasts. While the utility relied on Ventyx for most fuel prices, it also relied on EIA for coal data. Thus, MDNR suggests that Empire also needs to consider EIA assumptions and examine its use (or non-use) of the EIA alternative cases when complying with applicable Chapter 22 rules (specifically with 4 CSR 240-22.040(5)(A)).

25. MDNR-Supply-Alleged Deficiency #3 states that Empire did not document critical uncertain factors related to fuel prices. Furthermore, MDNR alleges that Empire has not provided sufficient documentation related to how each fuel price forecast was prepared, nor has Empire clearly identified the critical uncertain factors that drive the fuel price forecasts (from Ventyx and the EIA) and the range of forecasts it has offered. (§22.040(8)(A)(2)).
26. In order to resolve the alleged deficiencies in Paragraphs 23-25, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing. The focus of the Stakeholder Advisory Group concerning this issue will be to assure that the screening process considers the full range of possible supply sources including utility-scale and customer-sited renewable and distributed generation; and to assure the reliability of base, high and low projections for inputs such as fuel prices.
27. Dogwood identifies issues with the information Empire relies upon in evaluating supply-side solutions to future capacity needs. To resolve these issues, Empire agrees to address the subject in the Stakeholder Advisory Group process used in the development of its April 2013 filing as set out in Appendix A (discussion to be completed with other supply-side screening discussions) and to effectively evaluate PPA alternatives. Dogwood

identifies issues regarding integration and reliability associated with use of intermittent generation. To resolve these issues, Empire agrees to address the subject in the Stakeholder Advisory Group process used in the development of its April 2013 filing as set out in Appendix A (discussion to be completed with other supply-side screening discussions) and to explicitly address it in the April 2013 filing.

4 CSR 240-22.050 Demand-Side Resource Analysis

28. Staff's Alleged Deficiency #1 states: Empire did not develop its initial estimates of demand-side programs' load impacts based on the best available information from in-house research, vendors, consultants, industry research groups, national laboratories or other credible sources – 4 CSR 240-22.050(7)(A)1. To resolve this alleged deficiency, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.
29. Staff's Alleged Deficiency #2 states: Empire has not complied with the requirement in the May 12, 2010, Stipulation and Agreement in its most recent general rate case, File No. ER-2010-0130, to analyze a moderate (1%) DSM portfolio and an aggressive (2%) DSM portfolio in its 2010 IRP compliance filing. To remedy this concern, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Paragraph 32 of this agreement.
30. Staff's Alleged Deficiency #3 states: Empire did not identify, develop or screen the technical potential of end-use measures for residential and small commercial rate structures to achieve demand savings – 4 CSR 240-22.050(1). To remedy this concern,

Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.

31. MDNR-DSM-Alleged Deficiency #2 states that Empire failed to conduct a bottom-up demand-side analysis as prescribed in 4 CSR 240-22.050, which prescribes that the utility shall identify a reasonably comprehensive set of demand-side measures, screen these measures based on prescribed tests, combine measures that pass screening into programs that are designed according to best practices, screen the programs and incorporate all programs that are found to be cost-effective into at least one alternative resource plan. A critical aspect of the bottom-up approach to program screening is estimating program participation (§22.050(7)(A)). MDNR alleges that Empire placed severe budget constraints on the estimate of program participants, contrary to the provisions and intent of the rule. To resolve this alleged deficiency, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.
32. MDNR-DSM- Alleged Deficiency #3 states that Empire failed to honor its agreement in File ER-2010-0130 to model and fully analyze two demand-side management program portfolios (moderate and aggressive), with a goal of achieving annual electric energy (sales) and demand savings (peak) equivalent to 1% by 2015 and 2% by 2020. In its April 2013 filing, Empire agrees to model and fully analyze two demand-side management program portfolios with a goal of achieving annual electric energy (MWh) and demand savings (MW) equivalent to 1% by 2015 and 2% by 2020. The calculation of these savings shall be based on the methodology described in Appendix A, Paragraph

17. "Fully analyze" means the two demand-side alternative portfolios (moderate and aggressive), will be analyzed to the same level of detail as the other alternate plans considered in the April 2013 filing. This includes the same treatment during integrated resource analysis and risk analysis and the calculation of required performance measures. These two alternative resource plans will be analyzed in addition to any plans required by the Commission's revised Chapter 22 rules. If the alternative resource plan based on maximum achievable potential that is required by 4 CSR 240-22.050 of the Commission's revised Chapter 22 rules is sufficiently similar to one of the alternative resource plans required in this paragraph, the maximum achievable potential resource plan may substitute for one of the plans required in this paragraph.

33. MDNR-DSM-Alleged Deficiency #4 states MDNR's concern that the demand-side potential study filed by Empire imposes an arbitrary budget constraint on its estimates of maximum achievable potential, contrary to standard industry analytic practice. MDNR states that as a result, the potential study is materially deficient in that it fails to address the amount of cost-effective demand-side savings that could be obtained in Empire's Missouri service territory. To resolve this concern and alleged deficiency, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.
34. MDNR-DSM-Alleged Deficiency #5 states MDNR's concern that the load reductions from demand-side savings being considered in Empire's demand-side and integrated resource analysis are significantly lower than those achieved in a number of other jurisdictions and that these comparisons raise doubts concerning the credibility of Empire's effort to fulfill the goal stated in MEEIA (§393.1075.4 RSMo) of "achieving all

cost-effective demand-side savings." To resolve this alleged deficiency, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.

35. MDNR-DSM-Alleged Deficiency #6 states MDNR's concern that Empire's demand-side portfolio does not include any programs directed at consumer electronics or plug loads, nor does it include any programs directed at residential lighting after 2017. To resolve this alleged deficiency, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing as set out in Appendix A.
36. MDNR-DSM-Alleged Deficiency #7 states that Empire has not provided details of any analysis of interactive effects conducted within the technical potential study as required by 4 CSR 240-22.050(6)(B). To resolve this alleged deficiency, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.
37. MDNR-DSM-Alleged Deficiency #8 states that Empire failed to perform a stand-alone Probable Environmental Benefits Test to screen end-use measures as required by 4 CSR 240-22.050(3)(G). To resolve this alleged deficiency, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.
38. MDNR-DSM-Alleged Deficiency #9 states that Empire failed to estimate the technical potential of each end-use measure that passes the probable environmental benefits screening test. (4 CSR 204-22.050(4)). This issue is resolved by Empire's agreement to address this issue in the stakeholder process used in the development of its April 2013 filing and set out in Appendix A. Empire agrees to provide supporting calculations and

assumptions to the other non-Empire Signatories following guidelines that will be developed in the Stakeholder Advisory Group process as set out in Appendix A.

39. MDNR-DSM-Alleged Deficiency #10 states that Empire has not provided any worksheets or other documentation that show the assumptions made or how it developed its assessment of the technical, economic, maximum achievable and realistic achievable potential levels for energy and demand savings. To resolve this alleged deficiency, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing as set out in Appendix A
40. MDNR-DSM-Alleged Deficiency #11 states that the general delivery plan for the new DSM programs in the filing is not comprehensive and does not provide the information required to develop a detailed marketing plan as set out in 4 CSR 240-22.050(6)(D). This issue is resolved by Empire's agreement, in consultation with the Stakeholder Advisory Group, to request Commission approval of new demand-side programs and for approval of a DSIM under the MEEIA or the Commission's MEEIA rules as set out in Paragraph 9 of this Agreement and Appendix A
41. MDNR-DSM-Alleged Deficiency #12 states that the evaluation plans described at the end of each program summary in Volume IV of the September 2010 filing are not adequate for the purpose of conducting process or impact evaluation plans of the demand-side programs associated with its preferred resource plan as set out in 4 CSR 240-22.050(9). This issue is resolved by Empire's agreement in consultation with the Stakeholder Advisory Group to request Commission approval of new demand-side programs and for Commission approval of a DSIM under the MEEIA or the

Commission's MEEIA rules as set out in Paragraph 9 of this Agreement and Appendix A.

42. MDNR-DSM-Alleged Deficiency #13 states that Empire has not clearly defined whether residential tenants and commercial lessees are eligible to participate in its DSM programs. (§22.050(1)(B)). To resolve this issue, Empire agrees to address the issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing as set out in Appendix A.
43. MDNR-DSM-Alleged Deficiency #14 states that although Empire did consider residential solar photovoltaic and wind renewable energy programs in its technical potential analysis, the Company's analysis is deficient in that the same measures were not considered in the commercial and industrial sector analysis. (§22.050(1)(D)). To resolve this issue, Empire agrees to address the issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing as set out in Appendix A.
44. MDNR-DSM-Alleged Deficiency #15 states that it is not clear that Empire has performed any sensitivity analysis related to utility marketing and delivery costs for demand-side programs. (§22.070(2)(L)). To resolve this issue, Empire agrees to address the issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and meet the requirements set out in Appendix A.
45. MDNR-DSM-Alleged Deficiency #16 states that Empire has not provided any worksheets or other documentation that show the assumptions or how it developed its assessment of the technical, economic, maximum achievable and realistic achievable potential levels for energy and demand savings. To resolve this alleged deficiency, Empire agrees to address this documentation issue in the Stakeholder Advisory Group

process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.

46. MDNR-DSM-Alleged Deficiency #17 states MDNR's concern that in the demand-side portfolios developed by Empire, demand-side programs directed to the different customer sectors do not appear to be balanced. In particular, no demand-side savings are available in the commercial and industrial sectors until 2015. To resolve this alleged deficiency, Empire agrees to review the customer sector balance of its DSM portfolios in the Stakeholder Advisory Group process used in the development of its April 2013 filing.

4 CSR 240-22.060 Integrated Resource Analysis

47. Staff's Alleged Deficiency #4 states: Empire did not treat supply-side and demand-side resources on a logically consistent and economically equivalent basis - 4 CSR 240-22.060(4)(D). To resolve this issue, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.
48. Staff's Alleged Deficiency #5 states: Empire did not design its alternative resource plans to satisfy the 4 CSR 240-22.010(2)(A) objective to consider and analyze demand-side efficiency and energy management measures on an equivalent basis with supply-side alternatives in the resource planning process per 4 CSR 240-22.060(1). To resolve this issue, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.
49. Staff's Alleged Deficiency #6 states: Empire has not complied with MEEIA by not valuing demand-side investments equal to traditional investments in supply and delivery

infrastructure. To resolve this issue, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.

4 CSR 240-22.070 Risk Analysis and Strategy Selection

50. Staff's Alleged Deficiency #7 states: Empire did not conduct a preliminary sensitivity analysis of the uncertain factors listed in the rule - 4 CSR 240-22.-070(2). To resolve this issue, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.
51. Staff's Alleged Deficiency #8 states: Empire's preferred resource plan does not meet the MEEIA goal of achieving all cost-effective demand-side savings. To resolve these issues, Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.
52. MDNR alleged the following Deficiencies and Remedies related to Empire's analysis of uncertain factors and risk analysis:
 - a. MDNR-Risk-Alleged Deficiency #1: Failure to consider Customer Count as an Uncertain Factor;
 - b. MDNR-Risk- Alleged Deficiency #2: Failure to Test Smart Grid Development;
 - c. MDNR-Risk- Alleged Deficiency #3: Failure to Test Other Possible Candidates for Critical Uncertain Factors;
 - d. MDNR-Risk- Alleged Deficiency #4: Inadequate Testing of Energy Efficiency Resource Standard;
 - e. MDNR- Risk- Alleged Deficiency #5: Failure to Test Uncertain Factors Using Sensitivity Analysis;
 - f. MDNR-Risk- Alleged Deficiency #8: Failure to Explain Aggregation of Uncertain Factors (Concern); and,

- g. MDNR-Risk- Alleged Deficiency #9 - Critical Uncertain Factors too broadly Defined (Concern).

53. To resolve these issues, Empire agrees to address these issues in the Stakeholder Advisory Group process used in the development of its April 2013 filing. The Stakeholder Advisory Group Process will review and consider the more detailed statement of these issues that are presented in the comments filed by MDNR on January 3, 2011. Empire agrees to conduct and report on an extensive review of uncertain factors for submission to a quantitative sensitivity analysis to identify critical uncertain factors, such as those required in revised Chapter 22 at 4 CSR 240-22.060(6)(C).¹ Empire agrees to take special care in this analysis to identify the interactions and correlations between critical uncertain factors. MDNR alleged the following Deficiencies related to Empire's contingency planning:

- a. MDNR-Risk-Alleged Deficiency #6: Failure to Identify Limits of Preferred Plan; and,
- b. MDNR-Risk-Alleged Deficiency #7: Failure to Identify Contingency Options.

To resolve these issues, Empire agrees to address these issues in the Stakeholder Advisory Group process used in the development of its April 2013 filing. The Stakeholder Advisory Group Process will review and consider the more detailed statement of these issues that are presented in the comments filed by MDNR on January 3, 2011. The Stakeholder Advisory Group will review the requirements of revised Chapter 22 rules and advise Empire regarding Empire's meeting the full range of these

¹ 4 CSR 240-22.060(6)(C): The utility shall describe and document its assessment of the potential uncertainty associated with the load impact estimates of the demand-side candidate resource options or portfolios. The utility shall estimate – 1. The impact of the uncertainty concerning the customer participation levels by estimating and comparing the maximum achievable potential and realistic achievable potential of each demand-side candidate resource option or portfolio; and 2. The impact of uncertainty concerning the cost effectiveness by identifying uncertain factors affecting which end-use resources are cost effective. The utility shall identify how the menu of

requirements. “Contingency planning” includes developing methods of assessing the interaction of critical uncertain factors, developing realistic estimates of the impact of extreme events on Empire’s load forecast, and developing a monitoring plan.

54. Dogwood-Covariant Risk Concern- Although it is not expressly a part of the Chapter 22 rules, Dogwood identifies issues regarding Empire’s lack of full consideration of covariant risks. Empire agrees to participate in industry meetings regarding best practices of covariant risk analysis and otherwise address the subject in the Stakeholder Advisory Group process used in the development of Empire’s April 2013 as set out in Appendix A.

4 CSR 240-22.080 Filing Schedule and Requirements

55. Staff’s Concern C: Alleges that Empire’s September 2010 filing is not organized around each of the sections and subsections within 4 CSR 240-22, which makes it difficult for stakeholders to review the filing for its compliance with the 4 CSR 240-22 rules. To resolve this issue Empire agrees to address this issue in the Stakeholder Advisory Group process used in the development of its April 2013 filing and to meet the requirements set out in Appendix A.
56. Dogwood identifies concerns about the degree to which information in Empire’s September 2010 filing is not either publicly available or subject to proprietary classification rather than highly confidential. To resolve this concern, Empire agrees to compare its September 2010 filing and the designation of highly confidential information to the highly confidential, proprietary and non-proprietary designation used by other

cost effective end-use measures changes with these uncertain factors and shall estimate how these changes affect the load impact estimates associated with the demand-side candidate resource options.

Missouri utilities in their latest Chapter 22 compliance filings. Empire will further re-file its September 2010 IRP Executive Summary with revised confidentiality classifications within 30 days of the date of this Agreement.

EFFECT OF NON-UNANIMOUS STIPULATION AND AGREEMENT

57. None of the Signatories shall be deemed to have approved or acquiesced in any question of Commission authority, the interpretation of specific provisions of the Commission's Chapter 22 rule, the interpretation of compliance with specific provisions the Stipulation and Agreement reached in File No. ER-2010-0130, accounting authority order principle, cost of capital methodology, capital structure, decommissioning methodology, ratemaking or procedural principle, valuation methodology, cost of service methodology or determination, depreciation principle or method, rate design methodology, jurisdictional allocation methodology, cost allocation, cost recovery, or question of prudence, that may underlie this Nonunanimous Stipulation and Agreement, or for which provision is made in this Nonunanimous Stipulation and Agreement.
58. This Nonunanimous Stipulation and Agreement represents a negotiated settlement. Except as specified herein, the Signatories to this Nonunanimous Stipulation and Agreement shall not be prejudiced, bound by, or in any way affected by the terms of this Nonunanimous Stipulation and Agreement: (i) in any future proceeding; (ii) in any proceeding currently pending under a separate docket; and/or (iii) in this proceeding should the Commission decide not to approve this Nonunanimous Stipulation and Agreement, or in any way condition its approval of same.
59. This Nonunanimous Stipulation and Agreement does not constitute a waiver of any Signatory's rights regarding appeal of the Commission's MEEIA rules or any other

provision of law or limit those rights in any way. This Nonunanimous Stipulation and Agreement does not constitute a waiver of any Signatory's right to object to or oppose any filing or action made or taken by Empire, including filings or actions made or taken pursuant to this Nonunanimous Stipulation and Agreement. In the event that the Commission does not approve and adopt the terms of this Nonunanimous Stipulation and Agreement in total, or approves this Nonunanimous Stipulation and Agreement with modifications or conditions that a Signatory objects to, it shall be void and no Signatory shall be bound, prejudiced, or in any way affected by any of the agreements or provisions hereof.

60. When approved and adopted by the Commission, this Nonunanimous Stipulation and Agreement shall constitute a binding agreement between the Signatories hereto. The Signatories shall cooperate in defending the validity and enforceability of this Nonunanimous Stipulation and Agreement and the operation of this Nonunanimous Stipulation and Agreement according to its terms. Nothing in this Nonunanimous Stipulation and Agreement is intended to impinge, restrict or limit in any way any party's discovery powers, including the right to access information and investigate matters related to Empire.
61. This Nonunanimous Stipulation and Agreement does not constitute a contract with the Commission. Acceptance of this Nonunanimous Stipulation and Agreement by the Commission shall not be deemed as constituting an agreement on the part of the Commission to forego, during the term of this Nonunanimous Stipulation and Agreement, the use of any discovery, investigative or other power of the Commission. Thus, nothing in this Nonunanimous Stipulation and Agreement is intended to impinge or

restrict in any manner the exercise by the Commission, or of any Signatory, of any statutory right, including the right to access information, or any statutory obligation.

COMMISSION APPROVAL

62. If the Commission has questions for the Signatories, the Signatories will make available, at any on-the-record session, their experts/witnesses and attorneys so long as all Signatories have had adequate notice of that session. The Signatories agree to cooperate in presenting this Nonunanimous Stipulation and Agreement to the Commission for approval, and will take no action, direct or indirect, in opposition to the request for approval of this Nonunanimous Stipulation and Agreement.
63. The provisions of this Nonunanimous Stipulation and Agreement have resulted from extensive negotiations among the Signatories and the provisions are interdependent. If the Commission does not unconditionally approve this Nonunanimous Stipulation and Agreement without modification, and notwithstanding its provision that it shall become void thereon, neither this Nonunanimous Stipulation and Agreement, nor any matters associated with its consideration by the Commission, shall be considered or argued to be a waiver of the rights that any Signatory has to a hearing on the issues presented by the Nonunanimous Stipulation and Agreement, for cross-examination, or for a decision in accordance with Section 536.080 RSMo 2000 or Article V, Section 18 of the Missouri Constitution, and the Signatories shall retain all procedural and due process rights as fully as though this Nonunanimous Stipulation and Agreement had not been presented for approval, and any suggestions or memoranda, testimony or exhibits that have been offered or received in support of this Nonunanimous Stipulation and Agreement shall thereupon become privileged as reflecting the substantive content of settlement

discussions and shall be stricken from and not be considered as part of the administrative or evidentiary record before the Commission for any further purpose whatsoever.

64. In the event the Commission accepts the specific terms of this Nonunanimous Stipulation and Agreement without modification, the Signatories waive their respective rights to call, examine and cross-examine witnesses, pursuant to Section 536.070(2) RSMo 2000; their respective rights to present oral argument and written briefs pursuant to Section 536.080.1 RSMo 2000; their respective rights to the reading of the transcript by the Commission pursuant to Section 536.080.2 RSMo 2000; their respective rights to seek rehearing, pursuant to Section 386.500 RSMo 2000; and their respective rights to judicial review pursuant to Section 386.510 RSMo 2000. This waiver applies only to a Commission Report and Order respecting this Nonunanimous Stipulation and Agreement issued in this proceeding, and does not apply to any matters raised in any subsequent Commission proceeding, or any matters not explicitly addressed by this Nonunanimous Stipulation and Agreement.

WHEREFORE, the Signatories respectfully request the Commission accept this Nonunanimous Stipulation and Agreement and issue an order approving this Nonunanimous Stipulation and Agreement.

Respectfully submitted,

THE EMPIRE DISTRICT ELECTRIC COMPANY

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CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing have been mailed, hand-delivered, or transmitted by facsimile or electronic mail to all counsel of record this 1st day of April, 2010.

/s/ Sarah Kliethermes

The Empire District Electric Company
STAKEHOLDER ADVISORY GROUP PROCESS
Appendix A
To Non-Unanimous Stipulation and Agreement

STAKEHOLDER ADVISORY GROUP PROCESS

1. The Signatories reserve the right to take any disputes concerning implementation of the action items related to this process and the Empire 2013 IRP to the Commission for resolution, by a filing in this docket, and all other remedies available under applicable law.
2. The Stakeholder Advisory Group will consist of the Signatories to the Agreement and other entities as set forth in Paragraph 8 of the NonUnanimous Stipulation and Agreement.
3. A general schedule for the Stakeholder Advisory Group activities and meetings is listed at Table A-2 at the end of this Appendix. The dates and times of the Stakeholder Advisory Group meetings will be determined by the Stakeholder Advisory Group but meetings shall be held no less frequently than quarterly.
4. Empire shall consult with the Stakeholder Advisory Group concerning its compliance with this Appendix in conformity with the schedule of activities set forth in Table A-2.

Load Analysis and Forecast

5. Following the review of a feasibility study designed to focus on changing the Company's load analysis and forecasting methodology for the April 2013 filing, the Stakeholder Advisory Group will advise Empire on the direction it should take in this area. The feasibility study will include input from a consultant. Information about this study is specified in Paragraphs 12b and 21 of the Non-Unanimous Stipulation and Agreement.

6. Empire shall document all assumptions, models and other inputs used by Empire or its consultants for developing the analysis and conclusions required to comply with Paragraph 5 of this Appendix. Empire shall provide the documentation to Signatories in a machine-readable format, when applicable, such as electronically readable spreadsheets, as specified in Paragraph 6 of the Non-Unanimous Stipulation and Agreement.

Demand-Side Resource Analysis

7. Empire shall contact other regulated electric utilities in Missouri, Kansas, Arkansas, and Oklahoma to discuss to the extent possible their demand-side management programs' design, and implementation issues and confer with the Stakeholder Advisory Group to develop program designs and practices that will support a successful implementation of the three additional programs provided in Paragraph 9 of the Non-Unanimous Stipulation and Agreement following approval of the programs under the MEEIA or the Commission's MEEIA rules.
8. Empire shall contact other electric and natural gas utilities in Missouri to discuss the potential for joint programs to deliver building shell thermal measures for residential customers with (1) natural gas utilities whose service territories overlap with Empire's and (2) electric utilities whose service territories are contiguous with Empire's, and confer with the Stakeholder Advisory Group regarding these discussions. Empire shall also evaluate the cost effectiveness of at least one joint program to deliver building shell thermal measures for residential customers in its April 2013 compliance filing.
9. Empire shall consult with the Stakeholder Advisory Group regarding entry into a contract with an outside evaluator to complete a process and impact evaluation of

each new demand-side program approved under the MEEIA or the Commission's MEEIA rules, after 12 – 24 months of full program operation.

10. In consultation with the Stakeholder Advisory Group, Empire shall oversee a consultant to produce a demand-side market potential study that results in estimates of technical, economic, realistic achievable potential (RAP) and maximum achievable potential (MAP) for energy (MWh) and demand (MW) savings in Empire's service territory that are not budget-constrained.
11. The analysis referenced in Paragraph 10 shall include but shall not necessarily be limited to a market potential study that at minimum meets the requirements of the MEEIA and the Commission's MEEIA rules. In consultation with the Stakeholder Advisory Group, Empire shall engage a qualified consulting firm to conduct this study. Empire shall solicit and consider input from the Stakeholder Advisory Group concerning the initial RFP and the project requirements. The Stakeholder Advisory Group shall determine a set of project milestones and shall be provided interim results when these milestones are reached. Empire shall provide the Stakeholder Advisory Group with information and consider the comments of the members of the Stakeholder Advisory Group on the methodology, progress and results of the study.
12. Empire shall consult with the Stakeholder Advisory Group about the creation of demand-side resource programs, the conduct of demand-side screening analyses, the construction of demand-side resource portfolios, and planning for demand-side resource implementation and evaluation. Estimates of program participation shall be an aspect of developing potential demand-side programs and subjecting them to cost effectiveness screening as under applicable law and as described below:

(3) The utility shall develop potential demand-side programs that are designed to deliver an appropriate selection of end-use measures to each market segment. The utility shall describe and document its potential demand-side program planning and design process which shall include at least the following activities and elements:

(A) Review demand-side programs that have been implemented by other utilities with similar characteristics and identify programs that would be applicable for the utility;

(B) Identify, describe, and document market segments that are numerous and diverse enough to provide relatively complete coverage of the major classes and decision-makers identified in subsection (1)(A) and that are specifically defined to reflect the primary market imperfections that are common to the members of the market segment;

(C) Identify a comprehensive list of end-use measures and demand-side programs considered by the utility and develop menus of end-use measures for each demand-side program. The demand-side programs shall be appropriate to the shared characteristics of each market segment. The end-use measures shall reflect technological changes in end-uses that may be reasonably anticipated to occur during the planning horizon;

(D) Assess how advancements in metering and distribution technologies that may be reasonably anticipated to occur during the planning horizon affect the ability to implement or deliver potential demand-side programs;

(E) Design a marketing plan and delivery process to present the menu of end-use measures to the members of each market segment and to persuade decision-makers to implement as many of these measures as may be appropriate to their situation. When appropriate, consider multiple approaches such as rebates, financing, and direct installations for the same menu of end-use measures;

(F) Evaluate, describe, and document the feasibility, cost reduction potential, and potential benefits of statewide marketing and outreach programs, joint programs with natural gas utilities, upstream market transformation programs, and other activities. In the event that statewide marketing and outreach programs are preferred, the utilities shall develop joint programs in consultation with the stakeholder group;

(G) Estimate the characteristics needed for the twenty (20)-year planning horizon to assess the cost effectiveness of each potential demand-side program, including:

1. An assessment of the demand and energy reduction impacts of each stand-alone end-use measure contained in each potential demand-side program;

2. An assessment of how the interactions between end-use measures, when bundled with other end-use measures in the potential demand-side program, would affect the stand-alone end-use measure impact estimates;

3. An estimate of the incremental and cumulative number of program participants and end-use measure installations due to the potential demand-side program;

4. For each year of the planning horizon, an estimate of the incremental and cumulative demand reduction and energy savings due to the potential demand-side program; and

5. For each year of the planning horizon, an estimate of the costs, including:

- A. The incremental cost of each stand-alone end-use measure;

B. The cost of incentives paid by the utility to customers or utility financing to encourage participation in the potential demand-side program. The utility shall consider multiple levels of incentives paid by the utility for each end-use measure within a potential demand-side program, with corresponding adjustments to the maximum achievable potential and the realistic achievable potential of that potential demand-side program;

C. The cost of incentives to customers to participate in the potential demand-side program paid by the entities other than the utility;

D. The cost to the customer and to the utility of technology to implement a potential demand-side program;

E. The utility's cost to administer the potential demand-side program; and

F. Other costs identified by the utility;

(H) A tabulation of the incremental and cumulative number of participants, load impacts, utility costs, and program participant costs in each year of the planning horizon for each potential demand-side program; and

(I) The utility shall describe and document how it performed the assessments and developed the estimates pursuant to subsection (3)(G) and shall provide documentation of its sources and quality of information.

(4) The utility shall develop potential demand-side rates designed for each market segment to reduce the net consumption of electricity or modify the timing of its use. The utility shall describe and document its demand-side rate planning and design process and shall include at least the following activities and elements:

(A) Review demand-side rates that have been implemented by other utilities and identify whether similar demand-side rates would be applicable for the utility taking into account factors such as similarity in electric prices and customer makeup;

(B) Identify demand-side rates applicable to the major classes and decision-makers identified in subsection (1)(A). When appropriate, consider multiple demand-side rate designs for the same major classes;

(C) Assess how technological advancements that may be reasonably anticipated to occur during the planning horizon, including advanced metering and distribution systems, affect the ability to implement demand-side rates;

(D) Estimate the input data and other characteristics needed for the twenty (20)-year planning horizon to assess the cost effectiveness of each potential demand-side rate, including:

1. An assessment of the demand and energy reduction impacts of each potential demand-side rate;

2. An assessment of how the interactions between multiple potential demand-side rates, if offered simultaneously, would affect the impact estimates;

3. An assessment of how the interactions between potential demand-side rates and potential demand-side programs would affect the impact estimates of the potential demand-side programs and potential demand-side rates;

4. For each year of the planning horizon, an estimate of the incremental and cumulative demand reduction and energy savings due to the potential demand-side rate; and

5. For each year of the planning horizon, an estimate of the costs of each potential demand-side rate, including:

A. The cost of incentives to customers to participate in the potential demand-side rate paid by the utility. The utility shall consider multiple levels of incentives to achieve customer participation in each potential demand-side rate, with corresponding adjustments to the maximum achievable potential and the realistic achievable potentials of that potential demand-side rate;

B. The cost to the customer and to the utility of technology to implement the potential demand-side rate;

C. The utility's cost to administer the potential demand-side rate; and

D. Other costs identified by the utility;

(E) A tabulation of the incremental and cumulative number of participants, load impacts, utility costs, and program participant costs in each year of the planning horizon for each potential demand-side program;

(F) Evaluate how each demand-side rate would be considered by the utility's Regional Transmission Organization (RTO) in resource adequacy determinations, eligibility to participate as a demand response resource in RTO markets for energy, capacity, and ancillary services; and

(G) The utility shall describe and document how it performed the assessments and developed the estimates pursuant to subsection (4)(D) and shall document its sources and quality of information.

(5) The utility shall describe and document its evaluation of the cost-effectiveness of each potential demand-side program developed pursuant to section (3) and each potential demand-side rate developed pursuant to section (4). All costs and benefits shall be expressed in nominal dollars.

(A) In each year of the planning horizon, the benefits of each potential demand-side program and each potential demand-side rate shall be calculated as the cumulative demand reduction multiplied by the avoided demand cost plus the cumulative energy savings multiplied by the avoided energy cost. These calculations shall be performed both with and without the avoided probable environmental costs. The utility shall describe and document the methods, data, and assumptions it used to develop the avoided costs.

1. The utility avoided demand cost shall include the capacity cost of generation, transmission, and distribution facilities, adjusted to reflect reliability reserve margins and capacity losses on the transmission and distribution systems, or the corresponding market-based equivalents of those costs. The utility shall describe and document how it developed its avoided demand cost, and the capacity cost chosen shall be consistent throughout the triennial compliance filing.

2. The utility avoided energy cost shall include the fuel costs, emission allowance costs, and other variable operation and maintenance costs of generation facilities, adjusted to reflect energy losses on the transmission and distribution systems, or the corresponding market-based equivalents of those costs. The utility shall describe and document how it developed its avoided energy cost, and the energy costs shall be consistent throughout the triennial compliance filing.

3. The avoided probable environmental costs include the effects of the probable environmental costs calculated pursuant to 4 CSR 240-22.040(2)(B) on the utility avoided demand cost and the utility avoided energy cost. The utility shall describe and document how it developed its avoided probable environmental cost.

(B) The total resource cost test shall be used to evaluate the cost-effectiveness of the potential demand-side programs and potential demand-side rates. In each year of the planning horizon-

1. The costs of each potential demand-side program shall be calculated as the sum of all incremental costs of end-use measures that are implemented due to the program (including both utility and participant contributions) plus utility costs to administer, deliver, and evaluate each potential demand-side program;

2. The costs of each potential demand-side rate shall be calculated as the sum of all incremental costs that are due to the rate (including both utility and participant contributions) plus utility costs to administer, deliver, and evaluate each potential demand-side rate; and

3. For purposes of this test, the costs of potential demand-side programs and potential demand-side rates shall not include lost revenues or utility incentive payments to customers.

(C) The utility cost test shall also be performed for purposes of comparison. In each year of the planning horizon—

1. The costs of each potential demand-side program and potential demand-side rate shall be calculated as the sum of all utility incentive payments plus utility costs to administer, deliver, and evaluate each potential demand-side program or potential demand-side rate;

2. For purposes of this test, the costs of potential demand-side programs and potential demand-side rates shall not include lost revenues; and

3. The costs shall include, but separately identify, the costs of any rate of return or incentive included in the utility's recovery of demand-side program costs.

(D) The present value of program benefits minus the present value of program costs over the planning horizon must be positive or the ratio of annualized benefits to annualized costs must be greater than one (1) for a potential demand-side program or potential demand-side rate to pass the utility cost test or the total resource cost test. The utility may relax this criterion for programs that are judged to have potential benefits that are not captured by the estimated load impacts or avoided costs, including programs required to comply with legal mandates.

(E) The utility shall provide results of the total resource cost test and the utility cost test for each potential demand-side program evaluated pursuant to subsection (5)(B) and for each potential demand-side rate evaluated pursuant to subsection (5)(C) of this rule, including a tabulation of the benefits (avoided costs), demand-side resource costs, and net benefits or costs.

(F) If the utility calculates values for other tests to assist in the design of demand-side programs or demand-side rates, the utility shall describe and document the tests and provide the results of those tests.

(G) The utility shall describe and document how it performed the cost effectiveness assessments pursuant to section (5) and shall describe and document its methods and its sources and quality of information.

These estimates shall not be limited by budget constraints that are exogenous to the screening process. In consultation with the Stakeholder Advisory Group, Empire shall incorporate all programs that are found to be cost-effective into at least one alternative resource plan.

Integrated Resource Plan and Risk Analysis

13. Empire shall apply the provisions of Paragraph 32 of the Non-Unanimous Stipulation and Agreement to its April 2013 filing by modeling and fully analyzing two demand-side management program portfolios (moderate and aggressive), with a goal of achieving incremental annual electric energy (MWh) and demand savings (MW) equivalent to 1% by 2015 and 2% by 2020.

The basic methodology for calculating these savings levels shall be as follows and may be further clarified and refined as set forth in Table A.1 of this Appendix A.

- (i) For a given reference year, establish the targeted incremental reduction percentage (e.g., a 1% incremental reduction in energy use for the reference year 2015).
- (ii) For years proceeding the reference year, establish a ramp-up rate such that the targeted incremental reduction percentage is reached in the reference year. This ramp-up rate can be derived from several sources, including expert opinion, the experiences of other utilities or outside advice.
- (iii) For years following the reference year, the targeted incremental reduction percentage remains constant at the level established for the reference year unless Empire determines, in consultation with the Stakeholder Advisory Group, that a revision to incremental reduction percentages in the subsequent years is preferable. If revised incremental reduction figures are selected, a clear statement of the rationale and supporting documentation shall be provided in Empire's April 2013 filing.

- (iv) For a given year, the cumulative savings percentage is the sum of that year's incremental savings percentage and the previous year's cumulative savings percentage. Note that this calculation applies to the cumulative percentage reduction, not the cumulative energy reduction or cumulative demand reduction. Calculating cumulative energy and demand reduction requires adjustments for the life of installed measures. Methods for adjustment of cumulative savings will be addressed through the Stakeholder Advisory Group process described in Paragraph 20 of this Appendix.
- (v) To calculate the impact of these targeted savings for use in a candidate resource plan (i.e., over a 20 year planning horizon), extend the incremental savings percentage established in (iii) to the end of the planning horizon and calculate the cumulative savings percentage as in (iv).
- (vi) The incremental and cumulative percentage of reduction in energy use and demand are calculated through simple division as indicated in Table A.1 below. An example illustrating the steps required to calculate percentage incremental and cumulative impact on energy use over a 10-year planning horizon is provided in Table A.1 below.
- (vii) For all calculations of percentage impact, the numerator is based on the utility's baseline "business as usual" weather normalized projection of sales or demand over the planning horizon. These "business as usual" projections are reduced to reflect the impact of demand side resources implemented before the first year of the planning horizon but not further reduced to reflect the

impact of additional demand side resources implemented during the planning horizon.

14. Empire shall document all assumptions, models and other inputs used by Empire or its consultants for developing the analysis and conclusions required to comply with Paragraph 10 and 13 of this Appendix A. Empire shall provide the documentation to the Stakeholder Advisory Group in a format that the members of the Stakeholder Advisory Group have defined as useful and desirable, such as electronically readable spreadsheets, as specified in Paragraph 6 of the Non-Unanimous Stipulation and Agreement.
15. Empire shall consult with the Stakeholder Advisory Group and attempt to reach consensus concerning standard definitions and methodology for estimating maximum achievable potential (MAP) and realistic achievable potential (RAP) for savings from demand-side resources.
16. Empire shall consult with the Stakeholder Advisory Group concerning standards for the reporting of maximum achievable potential (MAP) and realistic achievable potential (RAP), including both energy savings (MWh) and demand savings (MW) across a given reporting or planning horizon. The methodology shall be capable of supporting comparison of the results of Empire's demand-side potential studies to the results of DSM market potential studies in other jurisdictions.
17. Empire shall consult with the Stakeholder Advisory Group and attempt to reach consensus concerning standard definitions and methodology for estimating incremental and cumulative demand-side savings and demand-side impact on base load requirements. Empire shall consult with the Stakeholder Advisory Group

concerning standards for the reporting of incremental and cumulative demand side savings and impact from evaluations, forecasts and potential studies, including both energy savings (MWh) and demand savings (MW) across a given reporting or planning horizon. The methodology shall be capable of supporting comparison of the results of Empire's DSM market potential studies to the results of DSM market potential studies in other jurisdictions.

Table A. 1 Example Calculations of 1% and 2% Savings

	Year										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1% Case Incremental Savings Percentage	0.17%	0.33%	0.50%	0.67%	0.83%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
1% Case Cumulative Savings Percentage	0.17%	0.50%	1.00%	1.67%	2.50%	3.50%	4.50%	5.50%	6.50%	7.50%	8.50%
2% Case Incremental Savings Percentage	0.17%	0.33%	0.50%	0.67%	0.83%	1.00%	1.20%	1.40%	1.60%	1.80%	2.00%
2% Case Cumulative Savings Percentage	0.17%	0.50%	1.00%	1.67%	2.50%	3.50%	4.70%	6.10%	7.70%	9.50%	11.50%
Baseline Forecast (1% growth rate)	1,000	1,010	1,020	1,030	1,041	1,051	1,062	1,072	1,083	1,094	1,105
1% Case Incremental Savings	998	1,007	1,015	1,023	1,032	1,040	1,051	1,061	1,072	1,083	1,094
2% Case Incremental Savings	998	1,007	1,015	1,023	1,032	1,040	1,049	1,057	1,066	1,074	1,083
Baseline Forecast (1.50% growth rate)	1,000	1,015	1,030	1,046	1,061	1,077	1,093	1,110	1,126	1,143	1,161
1% Case Incremental Savings	998	1,012	1,025	1,039	1,053	1,067	1,083	1,099	1,115	1,132	1,149
2% Case Incremental Savings	998	1,012	1,025	1,039	1,053	1,067	1,080	1,094	1,108	1,123	1,137

Table A-2 Anticipated Schedule

Description	2011				2012				2013	
	2nd Qtr (Apr - Jun)	3rd Qtr (Jul-Sep)	4th Qtr (Oct-Dec)	1st Qtr (Jan-Mar)	2nd Qtr (Apr - Jun)	3rd Qtr (Jul-Sep)	4th Qtr (Oct-Dec)	1st Qtr (Jan-Mar)	2nd Qtr (Apr)	
<u>Load Analysis & Load Forecast:</u>										
Draft plan addressing economic variables										
Determine the Feasibility of the inclusion of Economic Variables in Load Forecast										
Award Outside Contract (If required)										
Economic Variable Study										
Initial Load Forecast										
Revised Load Forecast										
Final Load Forecast										
Comparison of the Load Forecast to the Load Forecasts of Other Utilities										
<u>Screening and Integration of Supply-side Resources:</u>										
Determine which Renewable and CHP Supply-side options should be screened										
Determine the scope of Renewable/CHP studies										
Draft Plan to Obtain Info on Renewable and CHP resources										
Draft RFP to Obtain Info on Renewable & CHP resources (if required)										
Issue RFP for Info on Renewable & CHP resources (if required)										
Award contract for Info on Renewable & CHP resources (if required)										
Report on Renewable & CHP resource study										
Review/revise Renewable & CHP study										
Determination of Fuel price assumptions										
Determination of IRP Supply-side waiver requests at the Commission										

Description	2011			2012			2013		
	2nd Qtr (Apr - Jun)	3rd Qtr (Jul-Sep)	4th Qtr (Oct-Dec)	1st Qtr (Jan-Mar)	2nd Qtr (Apr - Jun)	3rd Qtr (Jul-Sep)	4th Qtr (Oct-Dec)	1st Qtr (Jan-Mar)	2nd Qtr (Apr)
Screening & Integration of Energy Efficiency & Demand Response resources:									
Define "Potential" and Scope of Potential Study									
Determine the Methodology to be used in the Potential Study									
Draft RFP for Potential Study									
Issue RFP for Potential Study									
Award Contract for Potential Study (if required)									
Potential Study Analysis and Release of Interim Potential Study Progress Reports (if required)									
Potential Study Final Report (if required)									
Examination of Potential Study results and revisions if required									
Determine the Scope & Design of the Energy Efficiency Programs to be submitted for Commission Approval under MEEIA									
Draft Application for Approval of Energy Efficiency Programs under Commission MEEIA rule									
Submit Application for Approval of Energy Efficiency Programs under Commission MEEIA rule									
Energy Efficiency Program Approval under Commission MEEIA rule									
Periodic Reports to Advisory Stakeholder Group on Energy Efficiency Metrics									
Draft RFP concerning EM&V for Energy Efficiency Programs under Commission MEEIA rule									
Issue RFP for EM&V									
Award Contract for EM&V under Commission MEEIA Rule									
EM&V Report									
Final EM&V Report submitted to Commission for Audit Review									
Commission EM&V Audit Report									
Response to Commission EM&V Audit Report									
Determine Avoided Cost Assumptions									

Description	2011			4th Qtr (Oct-Dec)	2012			2013	
	2nd Qtr (Apr - Jun)	3rd Qtr (Jul-Sep)	4th Qtr (Oct-Dec)		1st Qtr (Jan-Mar)	2nd Qtr (Apr - Jun)	3rd Qtr (Jul-Sep)	4th Qtr (Oct-Dec)	1st Qtr (Jan-Mar)
Determination of Demand-side waiver requests at the Commission									
Comparison of Empire demand-side results to other utility demand-side results									
Analysis of Uncertain Factors and Risk Analysis:									
Determine what sort of Analysis will be used to Determine Critical Uncertain Factors									
Methodology for Pre-screening and Testing of Uncertain Factors									
Selection of Critical Uncertain Factors									
Aggregation of Critical Uncertain Factors									
Assignment of High & Low Values and Probabilities to Critical Uncertain Factors									
Create Scenarios around Critical Uncertain Factors									
Determination of Risk Analysis waiver requests at the Commission									
Planning Objectives and Contingency Planning:									
Determination of Commission IRP rule requirements on Planning & Contingency Planning									
Determine Planning Objectives									
Draft Resource Acquisition Strategy, Including Contingency Planning									

Note 1: Specific Date and Time of meetings will be determined by the Stakeholder Advisory Group. Meetings shall be shall be guided by Table A-2 but meetings shall be held no less frequently than quarterly.

Note 2: The exact timing of individual process components will vary due to the decisions made by the Stakeholder Advisory Group.

HIGHLY CONFIDENTIAL IN ITS ENTIRETY

The Empire District Electric Company
Analysis of Energy And Demand Savings

<u>Description</u>	<u>Program Year 1</u>	<u>Program Year 2</u>	<u>Program Year 3</u>
Normalized Sales (MWH)-ER-2012-0345	4,021,960	4,021,960	4,021,960
Less: Opt Out Customers and Lighting	(366,669)	(366,669)	(366,669)
Base Line	<u>3,655,291</u>	<u>3,655,291</u>	<u>3,655,291</u>
Estimated Program Sales Reduction (MWH)	18,532	37,992	54,758
Ratio	0.51%	1.04%	1.50%
Budgeted Sales	4,153,783	4,177,254	4,215,176
Less: Opt Out Customers and Lighting	(366,669)	(366,669)	(366,669)
Budget Base Line	<u>3,787,114</u>	<u>3,810,585</u>	<u>3,848,507</u>
Ratio	0.49%	1.00%	1.42%
Missouri Peak Demand-2012-MW	956	956	956
Estimated Program Peak Reduction	6	10	13
Ratio to Demand Base Line	0.64%	1.02%	1.38%