Exhibit No.:

Issues:

Sales and Revenue

Witness:

Janice Pyatte

Sponsoring Party:

MO PSC Staff

Type of Exhibit:

Direct Testimony

Case No.:

ER-2001-672

Date Testimony Prepared:

7

December 6, 2001

# MISSOURI PUBLIC SERVICE COMMISSION UTILITY OPERATIONS DIVISION

**DIRECT TESTIMONY** 

FILED<sup>3</sup>

**OF** 

DEC 6 2001

**JANICE PYATTE** 

Missouri Public Service Commission

UTILICORP UNITED, INC. D/B/A MISSOURI PUBLIC SERVICE

**CASE NO. ER-2001-672** 

Jefferson City, Missouri December 2001

1	DIRECT TESTIMONY
2	OF
3	JANICE PYATTE
4	UTILICORP UNITED, INC.
5	d/b/a MISSOURI PUBLIC SERVICE
6	CASE NO. ER-2001-672
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8	Q. Please state your name and business address.
9	A. My name is Janice Pyatte and my business address is Missouri Public Service
10	Commission, P. O. Box 360, Jefferson City, Missouri 65102.
11	Q. What is your present position with the Missouri Public Service Commission?
12	A. I am a Regulatory Economist in the Energy Department, Operations Division
13	Q. Would you please review your educational background and work experience?
14	A. I completed a Bachelor of Arts degree in Economics at Western Washington
15	State College in Bellingham, Washington and a Masters of Arts (A.M.) degree in Economics
16	at Washington University in St. Louis, Missouri. I have been employed by the Missouri
17	Public Service Commission (Commission) since June 1977. My primary role with the
18	Missouri Public Service Commission Staff (Staff) has been to perform class cost-of-service
19	and rate design studies for the regulated electric utilities in Missouri. A list of the cases in
20	which I've filed testimony before the Commission is shown on Schedule 1.
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What is the purpose of your direct testimony in this filing? Q.

My direct testimony describes my role in the development of specific A. adjustments to Missouri Public Service's ("Company" or "MPS") Missouri jurisdictional. test year kilowatt-hour sales (kWh sales) and revenue from kWh sales (rate revenue).

In this filing, I also present two schedules that summarize kWh sales and rate revenue by rate code. The kWh sales total shown on Schedule 2 is an input into the normalized hourly net system load used in the Staff's fuel run. The rate revenue shown on Schedule 3 will be used for the implementation of the rates that result from the Commission's Report and Order in this case. The specific adjustments to rate revenue that are described in this testimony are inputs into the Staff's Accounting Schedule (Income Statement).

- Q. Do you have a recommendation for the Commission regarding kWh sales and rate revenue?
- A. I recommend that the Commission adopt the adjustments to kWh sales and rate revenue that I am sponsoring in this case.
- Q. How does your testimony relate to the testimony of other Staff witnesses in this case?
- Staff witness Lena M. Mantle, Staff witness Janis E. Fischer, and I are A. sponsoring various adjustments to kWh sales at the rate code level of detail. Ms. Mantle is responsible for the normalization of kWh sales to account for the effects of deviations from normal weather in the test year. Ms. Fischer is responsible for calculating the effects of growth on kWh sales through the update period for all rate codes. I am responsible for compiling the table labeled as Schedule 2. This schedule summarizes the results of the work done by Ms. Mantle, Ms. Fischer, and myself regarding adjustments to kWh sales.

### Direct Testimony of Janice Pyatte

Ms. Fischer and I are also sponsoring adjustments to rate revenue at the rate code level of detail. Ms. Fischer is responsible for calculating the effects that growth through the update period had on rate revenue. I am responsible for the revenue adjustments made to account for the effects on rate revenue of deviations from normal weather in the test year and for the annualization of economic development credits. I am also responsible for compiling the table shown labeled as Schedule 3, which summarizes the results of the work done by Ms. Fischer and myself regarding rate revenue.

- Q. What is the rationale for making adjustments to test year kWh sales and rate revenue?
- A. The intent of adjustments to test year (historical) revenue is to estimate the revenue that MPS would have collected on an annual, normal-weather basis, based on information known at the end of the update period. Most of the adjustments to test year revenue correspond to adjustments to kWh sales that also affect the Company's fuel and purchased power costs. The "matching principle" dictates that any change to revenue from historical levels that result from changes in underlying kWh sales must be associated with changes to fuel and purchased power costs that reflect that same adjustment to sales.
- Q. What categories of adjustments to sales and revenue are typically made in a rate case?
- A. The three major categories of adjustments are known as annualizations, normalizations, and growth.

Annualizations are adjustments that result when test year results are restated as if conditions known at the end of the update period had existed throughout the entire test year.

A common example of a revenue annualization is a rate change that occurs during the test

Direct Testimony of Janice Pvatte

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year. Actual test year revenue in this situation will be understated or overstated by the difference between what was actually billed and the revenue that would have been realized by the Company if the rates in effect at the end of the update period had been in effect throughout the entire year.

Another example of a typical annualization relates to a large customer that either begins or ceases service during the test year or update period. In the situation where a large customer ceases business, test year revenue should be decreased by the revenue the customer provided the Company. A corresponding reduction to kWh sales and to fuel and purchased power expense should be made to reflect those costs the Company will no longer incur. Conversely, when a large customer begins service, MPS's test year revenue, kWh sales, and fuel expense should be increased to reflect both the costs and the revenue associated with serving the new customer on an annual basis.

Normalizations deal with test year events that are unusual and unlikely to be repeated in the years when the new rates from this case are in effect. Test year weather is an example. It is unlikely that the weather that occurred in the test year will, on average, be repeated in the future, but what weather will actually occur is not predictable. The objective of the weather normalization process is to restate test year kWh sales and rate revenue on a "normalweather" basis.

Growth adjustments reflect any additional sales and revenue that would have occurred in the test year if all of the customers that were on the system at the end of the update period had been customers for all 12 months of the test year.

Please describe the characteristics of the Missouri kWh sales and rate revenue Q. that have been developed in this case.

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A. The Missouri kWh sales and rate revenue that I am presenting have these characteristics: (i) they have been developed by rate code; (ii) they have been normalized to remove the effects of deviations from normal weather in the test year; (iii) they have been developed on both a billing month and on a calendar year basis; (iv) they have been annualized for the level of economic development ("EDR") credits in 2002; and (v) they have been adjusted to reflect growth through the update period.

Q. What annualizations to test year kWh sales are you sponsoring?

I am responsible for a number of annualizations made to reflect selected A. billing corrections and/or recording errors that MPS made during the test year. There were two typical situations where billing information is recorded on the Company's financial records in a month other than the month to which that data applies. One situation is the situation where an original bill was wrong and the correction is recorded in a month other than the month that the original, incorrect bill was recorded. The second situation requiring annualization resulted from MPS' new billing system incorrectly recording bills based upon the date when the bill is calculated rather than recording bills based upon the date when the meter is read. In both situations, the monthly data that is required for Staff's analysis of the weather normalization of kWh sales and revenue is distorted. I adjusted the individual customer kWh sales and revenue, as recorded, to what I believe the data would have looked like if the bill had been correctly billed and/or correctly recorded in the first place. The annual differences associated with this "clean-up" of the test year billing data were recorded as annualizations so that it would be clear that Staff's starting point in this case was the MPS FERC Form 1 filing for the year 2000. These annualizations to MPS test year billed kWh sales and revenue were done prior to the Staff's weather normalization analysis.

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O. What annualizations to test year rate revenue are you sponsoring?

In addition to the annualization for billing corrections and recording errors A. discussed above, I am responsible for the annualization to rate revenue to reflect the updated dollar amount of Economic Development Rider credits.

MPS' tariffs include an Economic Development Rider that provides discounts to the electricity bills of certain customers that are either new to the area or are existing customers that have significantly expanded their operations. These discounts on electricity bills are part of a larger package of state and local development aid that is offered to the customer to encourage industrial and commercial development in the State of Missouri. Eligible customers receive a percentage discount to their electricity bill, as calculated on regular rates, over a term of five years. The discount is 30% in the first year, 25% in the second year, and so on, until it reaches 10% in the final year of the customer's contract.

In this case, I have estimated the dollar amount of the annual discount for each EDR contract based upon the customer's test year electricity bill before any discount is applied and the percentage discount(s) that will be applicable in calendar year 2002. This annualization affects revenue only; it has no effect on kWh sales. I do not intend to further annualize these EDR contracts during the true-up phase of this case.

The two annualizations that I am sponsoring are shown by rate code on Schedules 2 and 3, attached to this testimony and, in aggregate, on Accounting Schedule 10, Adjustments S-1.6 and S-1.7.

- Q. What normalizations were done to test year billed kWh sales in this case?
- Two normalizations of test year kWh sales were done in this case. The first A. normalization restates test year kWh sales on a "normal weather" basis; i.e., to the level of

December 31, 2000.

kWh sales that would have occurred in the test year if test year weather had been normal. The second normalization represents the additional kWh sales associated with adjusting the twelve, test year billing months to include exactly the 365 days between January 1 and

Ms. Mantle is sponsoring both the weather normalization and the days adjustment to kWh sales. Please refer to Ms. Mantle's testimony for a more complete description of the weather normalization concept and methodology.

Ms. Mantle's billing month adjustments to kWh sales were inputs into my normalization of rate revenue and are shown on my Schedule 4. Her annual results are shown by rate code on my Schedule 2, a summary of Missouri kWh sales.

- Q. What normalizations to test year rate revenue are you sponsoring?
- A. I am responsible for calculating the adjustments to rate revenue that are associated with Ms. Mantle's weather adjustment to kWh sales. The assumption underlying my methodology for normalizing revenue is that the weather normalization process has no effect on either the number of customers or on the fixed charges those customers pay. In essence, I assume that weather normalization only affects the energy usage of each existing customer and thus only affects those charges directly related to kWh usage.

Schedule 3 shows the annual weather and days adjustments to revenue for each rate code. These normalization adjustments are also shown on Accounting Schedule 10, Adjustments S-1.3 and S-1.8. Schedule 4, attached to this testimony, displays the monthly results of the normalization of kWh sales and revenue for each of the eight weather-sensitive rate codes; i.e., Residential (860 and 870), Small General Service (310, 311, 316), Large General Service (720 and 725), and School and Church (740).

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Q. What methodologies did you use to calculate the weather normalization adjustment to revenue?

In situations where only one tariffed rate applied to all monthly usage (a "flat

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rate"), the weather adjustment to revenue was calculated by applying that rate to Ms. Mantle's weather normalization adjustment to kWh sales. This procedure was used to

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compute summer month revenue adjustments for the Small General Service (710) rate code

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and the School and Church (740) rate code, which are the weather-sensitive rate codes with a

8 | flat summer rate.

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In situations where multiple rate blocks apply to monthly usage, I used a statistical

10 regression technique to model the relationship between average monthly use per bill and the

average rate per kWh, using twelve months of MPS data from January 2000 through

December 2000, which was the only time period for which monthly bill counts existed.

13 From this analysis, I determined how the average rate per kWh changed when use per bill

changed for each of these rate codes. Ms. Mantle provided me with data on use per bill

before and after weather normalization. I then calculated the monthly weather adjustment to

revenue that corresponded to Ms. Mantle's monthly weather adjustment to kWh sales. This

procedure was used to compute winter month revenue adjustments for Small General Service

(710) and School and Church (740) rate codes. It was also used to calculate both summer

month and winter month adjustments for Residential (860 and 870) rate codes and Small

General Service (711) rate codes.

The weather adjustment to revenue for the remaining rate codes was calculated by the

average realization method. This method applies the average energy charge per kWh for

each specific month to the weather adjustment to that month's kWh sales. The rationale for

A. Yes, it does.

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### BEFORE THE PUBLIC SERVICE COMMISSION

### OF THE STATE OF MISSOURI

In The Matter Of The Tariff Filing Of ) Missouri Public Service (MPS) A Division ) Of UtiliCorp United Inc., To Implement A ) General Rate Increase For Retail Electric ) Service Provided To Customers In The ) Missouri Service Area Of MPS. )	
AFFIDAVIT OF JANICE PYATTE	
STATE OF MISSOURI ) ) ss COUNTY OF COLE )	
Janice Pyatte, of lawful age, on her oath states: that she has participated in the preparate of the foregoing Direct testimony in question and answer form, consisting of pages Direct testimony to be presented in the above case, that the answers in the foregoing Direct testimony were given by her; that she has knowledge of the matters set forth in such answers; at that such matters are true to the best of her knowledge and belief.	o ec
Janice Pyatte	
Subscribed and sworn to before me this day of December, 2001.	
DAWN L. HAKE  Notary Public - State of Missouri  County of Cole  My Commission Expires Jan 9, 2005  Notary Public	<u>/</u>
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# Testimony Filed before the Missouri Public Service Commission Witness: Janice Pyatte

Company	Case	Туре	Issue1	Issue2	Date
The Empire District Electric Company	ER-2001-299	True-Up Direct	Sales & Revenues		8/7/01
The Empire District Electric Company	ER-2001-299	Revised Surrebuttal	Rate Design		6/1/01
The Empire District Electric Company	ER-2001-299	Surrebuttal	Rate Design		5/17/01
The Empire District Electric Company	ER-2001-299	Rebuttal	Class Cost of Service	Rate Design	5/3/01
The Empire District Electric Company	ER-2001-299	Direct	Class Cost of Service	Rate Design	4/10/01
The Empire District Electric Company	ER-2001-299	Direct	Sales & Revenues		4/3/01
UtiliCorp United and St. Joseph Light & F	Po EM-2000-292	Rebuttal	SJLP Earnings Review		5/1/00
St. Joseph Light & Power Company	ER-99-247 & EC-98-573	Rebuttal	Rate Design		6/10/99
St. Joseph Light & Power Company	HR-99-245	Direct	Rate Design		5/20/99
St. Joseph Light & Power Company	ER-99-247 & EC-98-573	Direct	Rate Design		5/20/99
St. Joseph Light & Power Company	ER-99-247 & EC-98-573	Direct	Sales & Revenues		5/13/99
Union Electric Company	EO-96-15	Surrebuttal	Rate Design		4/9/99
Union Electric Company	EO-96-15	Rebuttal	Rate Design		3/24/99
Union Electric Company	EO-96-15	Direct	Rate Design		3/4/99
St. Joseph Light & Power Company	EC-98-573	Additional Direct	Class Cost of Service	Rate Design	12/16/98
St. Joseph Light & Power Company	EC-98-573	Additional Direct	Sales & Revenues		12/16/98
St. Joseph Light & Power Company	EC-98-573	Direct	Class Cost of Service	Rate Design	10/15/98
St. Joseph Light & Power Company	EC-98-573	Direct	Sales & Revenues		10/7/98
Missouri Public Service	ER-97-394 & ET-98-103 & EC-98-126	Surrebuttal	Rate Design		11/21/97
Missouri Public Service	ER-97-394 & ET-98-103	Rebuttal	Rate Design		10/17/97
Missouri Public Service	ER-97-394 & ET-98-103	Direct	Rate Design		9/16/97
Missouri Public Service	EO-97-144 & EC-97-362	Direct	Rate Design		3/28/97
The Empire District Electric Company	ER-97-81	Direct	Rate Design		2/20/97
The Empire District Electric Company	ER-97-81	Direct	Revenues		2/11/97
Kansas City Power & Light Company	EC-96-57	Rebuttal	Rate Design		12/29/95
The Empire District Electric Company	ER-95-279	Direct	Class Cost of Service	Rate Design	9/8/95
The Empire District Electric Company	ER-95-279	Direct	Revenues		9/1/95
The Empire District Electric Company	ER-94-174 & EO-91-74	Direct	Class Cost of Service	Rate Design	5/20/94
St. Joseph Light & Power Company	ER-93-41	Direct	Rate Design		2/19/93
Missouri Public Service	ER-93-37	Direct	Class Cost of Service	Rate Design	1/22/93
Union Electric Company	EM-92-225 & EM-92-253	Rebuttal	25 Cycle Rates		8/14/92
Arkansas Power & Light Co. and Union E	Ele EM-91-29	Rebuttal	Customer Impact		1/25/91
Union Electric Company	EO-87-175	Surrebuttal	(Class) Cost of Service & Rate De	sign	10/4/90
Union Electric Company	EO-87-175	Rebuttal	Rate Design		9/17/90
Union Electric Company	EO-87-175	Rebuttal	(Class) Cost of Service		8/13/90
Union Electric Company	EO-87-175	Direct	Rate Design		7/31/90
Union Electric Company	EO-87-175	Direct	Customer Classes and Class Data		5/17/90

# Testimony Filed before the Missouri Public Service Commission Witness: Janice Pyatte

Company	Case	Туре	Issue1	Issue2	Date
Arkansas Power & Light Company	ER-85-265	Surrebuttal	Rate Design		2/28/86
Arkansas Power & Light Company	ER-85-265	Rebuttal	Class Cost of Service		2/21/86
Arkansas Power & Light Company	ER-85-265	Direct	Class Cost of Service		1/16/86
Arkansas Power & Light Company	ER-85-265	Direct	Rate Design		1/16/86
Kansas City Power & Light Company	ER-85-128 & EO-85-185	Rebuttal	Class Cost of Service		5/3/85
Kansas City Power & Light Company	ER-85-128 & EO-85-185	Direct	Class Cost of Service	Rate Design	4/12/85
Union Electric Company	EO-85-17 & ER-85-160	Second Commission Re	Rate Design		3/19/85
Union Electric Company	EO-85-17 & ER-85-160	First Commission Requ	⊦Rate Design		3/11/85
Union Electric Company	EO-85-17 & ER-85-160	First Commission Requ	Rate Design		3/6/85
Union Electric Company	EO-85-17 & ER-85-160	First Commission Requ	Rate Design		3/6/85
Union Electric Company	EO-85-17 & ER-85-160	First Commission Requ	Rate Design		3/6/85
Union Electric Company	ER-84-168	Surrebuttal	Class Cost of Service		9/7/8 <del>4</del>
Union Electric Company	ER-84-168	Rebuttal	Class Cost of Service		9/4/84
Union Electric Company	ER-84-168	Direct	Sub-Class Cost of Service		8/15/8 <del>4</del>
Union Electric Company	ER-84-168	Direct	Class Cost of Service		8/10/84
Laclede Gas Company	GR-84-161	Direct	Class Cost of Service		8/6/8 <del>4</del>
Union Electric Company	ER-84-168	Direct	Sales & Revenues		8/6/8 <del>4</del>
Arkansas Power & Light Company	ER-83-206	Direct	Class Cost of Service		8/3/83
Union Electric Company	ER-83-163	Direct	Class Cost of Service		6/3/83
Kansas City Power & Light Company	ER-83-49	Revised Direct	Class Cost of Service		3/10/83
Kansas City Power & Light Company	ER-83-49	Direct	Class Cost of Service		2/22/83
The Empire District Electric Company	EO-82-40	Rebuttal	Class Cost of Service		10/15/82
The Empire District Electric Company	EO-82-40	Supplemental (Direct)	Class Cost of Service		9/17/82
The Empire District Electric Company	EO-82-40	Direct	Class Cost of Service		3/15/82
The Empire District Electric Company	EO-82-40	Direct	Rate Design		3/15/82
The Empire District Electric Company	ER-81-209	Direct	Class Cost of Service	Rate Design	7/24/81
Kansas City Power & Light Company	EO-78-161	Report (8 Vols)	Rate Design		10/24/80
Laclede Gas Company	GO-78-38	Report (4 Vols)	Rate Design		4/16/79
Union Electric Company	EO-78-163	Report (5 Vols)	Rate Design		8/23/78
St. Joseph Light & Power Company	EO-77-56	Report (3 Vols)	Rate Design	•	11/28/77

#### MISSOURI PUBLIC SERVICE - CASE NO. ER-2001-672 ADJUSTED MISSOURI KWH SALES BY RATE CODE (CALENDAR YEAR 2000, ADJUSTED THROUGH JUNE 30, 2001)

RATE ID 060/MO860 070/MO870	Residential General Use Residentail w/ Space Heat	As Billed (kWh) 1,551,362,456 560,138,187	Annualizations to kWh Sales	Normalizations to to kWh Sales (21,606,729) 26,438,397	Effect of Growth to kWh Sales 7,960,710 54,884,930	Total kWh Sales 1,537,716,437 641,461,514
310/MO710 311/MO711 316/MO716 611/MO611	Small GS (no kW meter) Small GS w/kW mtr, Sec Small GS w/kW mtr, Pri TOD (GS) - 1 phase	145,879,483 523,263,747 2,168,261 84,440	1,264,080 512,480	704,520 (467,013) 31,217	2,553,691 69,650,626 39,843 (21,520)	149,137,694 593,711,440 2,751,801 62,920
320/MO720 325/MO725 420/MO721 631/MO631	Large GS, Secondary Large GS, Primary RTP (721) TOD (GS) - 3 phase, Sec	705,679,378 33,591,546 312,550 923,760	(1,014,600) (179,480) 3,199,841	(1,664,410) (161,975)	25,934,820 1,738,467 (60,550) (263,600)	728,935,188 34,988,558 3,451,841 660,160
330/MO730 335/MO735 430/MO731 435/MO737	Large PS, Secondary Large PS, Primary RTP (731) RTP (737)	454,767,384 546,364,706 26,366,077 34,582,327			6,738,022 (21,410,404) 2,774,000 (5,019,057)	461,505,406 524,954,302 29,140,077 29,563,270
219/MO919 450/MO950 651/MO651	Special Contract (Modine) Special Contract Thermal Energy	7,636,838 67,528,693 7,007,594			718,959 (2,431,401) (236,960)	8,355,797 65,097,292 6,770,634
340/MO740 345/MO745	Schools & Churches, Sec Schools & Churches, Pri	61,087,743 170,840	(8,357,800)	927,460	382,759 4,400	54,040,162 175,240
500/MO800 510/MO810 511/MO811	Muni Water Pumps Muni Park & Rec Muni Park & Rec, 3-phase	9,382,910 2,503,631 2,591,389			(225,720) 135,332 348,057	9,157,190 2,638,963 2,939,446
300/MO888	Unaccounted for Interdepartmental Lighting	1,622,000 40,482,864			406,796	1,622,000 40,889,660
	Total MO Retail Sales	4,785,498,804	(4,575,479)	4,201,467	144,602,200	4,929,726,992
283	Wholesale - Sales to Munis	218,771,000		(4,889,301)		213,881,699
	Total MO Sales	5,004,269,804	(4,575,479)	(687,834)	144,602,200	5,143,608,691

#### MISSOURI PUBLIC SERVICE - CASE NO. ER-2001-672 DETAILS OF SPECIFIC ADJUSTMENTS TO MISSOURI KWH SALES (CALENDAR YEAR 2000, ADJUSTED THROUGH JUNE 30, 2001)

RATE ID 060/MO860 070/MO870	Residential General Use Residentall w/ Space Heat	Annualizations for Billing Corrections	Annualizations for EDR Credits	Normalization for Weather (28,696,593) 16,875,089	Normalization for Unbilled 7,089,864 9,563,308	Growth in kWh due to Customers 7,960,710 54,884,930	Growth in kWh Update Period
310/MO710 311/MO711 316/MO716 611/MO611	Small GS (no kW meter) Small GS w/kW mtr, Sec Small GS w/kW mtr, Pri TOD (GS) - 1 phase	1,264,080 512,480		(1,014,078) (3,802,636) (26,080)	1,718,598 3,335,623 57,297	2,553,691 69,650,626 39,843	(21,520)
320/MO720 325/MO725 420/MO721 631/MO631	Large GS, Secondary Large GS, Primary RTP (721) TOD (GS) - 3 phase, Sec	(1,014,600) (179,480) 3,199,841		(5,032,459) (146,096)	3,368,049 (15,879)	25,934,820 1,738,467	(60,550) (263,600)
330/MO730 335/MO735 430/MO731 435/MO737	Large PS, Secondary Large PS, Primary RTP (731) RTP (737)						6,738,022 (21,410,404) 2,774,000 (5,019,057)
219/MO919 450/MO950 651/MO651	Special Contract (Modine) Special Contract Thermal Energy						718,959 (2,431,401) (236,960)
340/MO740 345/MO745	Schools & Churches, Sec Schools & Churches, Pri	(8,357,800)		(784,235)	1,711,695	382,759	4,400
500/MO800 510/MO810 511/MO811	Muni Water Pumps Muni Park & Rec Muni Park & Rec, 3-phase						(225,720) 135,332 348,057
300/MO888	Unaccounted for Interdepartmental Lighting						406,796
	Total MO Retail Sales	(4,575,479)		(22,627,088)	26,828,555	163,145,846	(18,543,646)
283	Wholesale - Sales to Munis			(2,229,011)	(2,660,290)		
	Total MO Sales	(4,575,479)	-	(24,856,099)	24,168,265	163,145,846	(18,543,646)

#### MISSOURI PUBLIC SERVICE - CASE NO. ER-2001-672 ADJUSTED MISSOURI RETAIL RATE REVENUES BY RATE ID (CALENDAR YEAR 2000, ADJUSTED THROUGH JUNE 30, 2001)

060/MO860	Residential General Use	As Billed w/o Taxes \$116,660,296	Annualizations to Rate Revenue	Normalizations to to Rate Revenue (\$1,730,128)	Effect of Growth to Rate Revenue \$606,662	Total Rate Revenue \$115,536,829
070/MO870	Residentail w/ Space Heat	\$33,885,299		\$672,783	\$3,129,737	\$37,687,819
310/MO710	Small GS (no kW meter)	\$11,983,195		(\$51,105)	\$190,777	\$12,122,867
311/MO711	Small GS w/kW mtr, Sec	\$32,080,482	. \$64,529	(\$90,106)	\$4,230,083	\$36,284,987
316/MO716	Small GS w/kW mtr, Pri	\$117,037	\$28,119	\$982	\$1,230	\$147,369
520/110720	EDR Discounts (711)	(\$2,244)	(\$15,384)	7.0	7-,200	(\$17,628)
611/MO611	TOD (GS) - 1 phase	\$6,133	(+		(\$1,765)	
000, 110000	,	1,			(, , , ,	, , .
320/M0720	Large GS, Secondary	\$36,032,258	(\$48,329)	(\$108,661)	\$1,275,537	\$37,150,805
325/M0725	Large GS, Primary	\$1,599,858	(\$9,992)	(\$9,233)	\$88,485	\$1,669,118
420/M0721	RTP (721)	\$12,891	\$135,496		\$40,921	\$189,308
	EDR Discounts (720)	(\$113,627)	\$49,107			(\$64,519)
	EDR Discounts (725)	(\$4,021)	\$4,021			
631/MO631	TOD (GS) - 3 phase, Sec	\$54,060			(\$15,835)	\$38,225
330/MO730	Large PS, Secondary	\$20,047,793			\$208,840	\$20,256,633
335/MO735	Large PS, Primary	\$21,691,499			(\$105,718)	
430/MO731	RTP (731)	\$1,037,620			\$489,901	\$1,527,521
435/MO737	RTP (737)	\$1,454,671			\$320,814	\$1,775,485
433/10/3/	EDR Discounts (730)	(\$542,438)	\$300,465		\$32 <b>0</b> ,014	(\$241,973)
	EDR Discounts (735)	(\$258,594)	(\$25,241)			(\$283,835)
	EDIT DISCOURS (755)	(4230,031)	(425/212)			(4205,055)
219/MO919	Special Contract (Modine)	\$307,675			\$29,986	\$337,661
450/MO950	Special Contract	\$2,367,685			(\$47,773)	\$2,319,913
651/MO651	Thermal Energy	\$300,439			(\$4,875)	\$295,564
340/MO740	Schools & Churches, Sec	\$3,585,069	(\$261,599)	(\$9,269)	\$20,274	\$3,334,475
345/MO745	Schools & Churches, Pri	\$9,377	(\$201,355)	(43,203)	\$112	\$3,334,473 \$9,489
343/110743	Schools & Charcies, Fit	φ3,3/ <i>1</i>			\$11Z	<b>ξυ</b> τ,τ <b>ς</b> φ
500/MO800	Muni Water Pumps	\$560,473			(\$13,198)	\$547,275
510/MO810	Muni Park & Rec	\$192,188			\$10,261	\$202,449
511/MO811	Muni Park & Rec, 3-phase	\$200,515			\$25,490	\$226,005
	Unaccounted for	(\$48,617)				(\$48,617)
	Interdepartmental	(ψ 10,017)				(\$70,017)
	Lighting	\$4,908,066			\$74,170	\$4,982,236
	TOTAL MO RATE REVENUE	\$288,125,042	\$221,192	(\$1,324,737)	\$10,554,114	\$297,575,610

# MISSOURI PUBLIC SERVICE - CASE NO. ER-2001-672 DETAILS OF ADJUSTMENTS TO MISSOURI RETAIL RATE REVENUES (CALENDAR YEAR 2000, ADJUSTED THROUGH JUNE 30, 2001)

		Annualizations for Billing Corrections	Annualizations for EDR Credits	Weather	Unbilled	Growth in \$ due to Customers	Growth in \$ Update Period
060/MO860 070/MO870	Residential General Use Residentail w/ Space Heat			(\$2,084,932) \$373,451	\$354,804 \$299,332	\$606,662 \$3,129,737	
310/MO710	Small GS (no kW meter)			(\$103,881)	\$52,776	\$190,777	
311/MO711	Small GS w/kW mtr, Sec	\$64,529		(\$209,892)	\$119,786	\$4,230,083	
316/MO716	Small GS w/kW mtr, Pri	\$28,119	/#1E 204\	(\$1,619)	\$2,601	\$1,230	
611/MO611	EDR Discounts (711) TOD (GS) - 1 phase		(\$15,384)				(\$1,765)
611/MO611	100 (G2) - 1 bliase						(\$1,703)
320/MO720	Large GS, Secondary	(\$48,329)		(\$236,626)	\$127,965	<b>\$1,275,53</b> 7	
325/MO725	Large GS, Primary	(\$9,992)		(\$8,643)	(\$590)	\$88,485	
420/MO721	RTP (721)	\$135,496					\$40,921
	EDR Discounts (720)	\$35,986	\$13,122				
621 (MO621	EDR Discounts (725) TOD (GS) - 3 phase, Sec		\$4,021				(\$15,835)
631/MO631	10D (GS) - 5 phase, sec						(\$10,000)
330/MO730	Large PS, Secondary						\$208,840
335/MO735	Large PS, Primary						(\$105,718)
430/MO731	RTP (731)						\$489,901
435/MO737	RTP (737)		+200 465				\$320,814
	EDR Discounts (730)		\$300,465 (#35.341)				
	EDR Discounts (735)		(\$25,241)				
219/MO919	Special Contract (Modine)						\$29,986
450/MO950	Special Contract						(\$47,773)
651/MO651	Thermal Energy						(\$4,875)
0.40.0.7.40	C. L. Chumber Co.	(#3C1 F00)		(#CD 246)	<b>#</b> E0.077	420 274	
340/MO740 345/MO745	Schools & Churches, Sec Schools & Churches, Pri	(\$261,599)		(\$69,246)	\$59,977	\$20,274	\$112
343/190/43	Schools & Churches, Fit						\$112
500/MO800	Muni Water Pumps						(\$13,198)
510/MO810	Muni Park & Rec						\$10,261
511/MO811	Muni Park & Rec, 3-phase						\$25,490
	Hannan intend for						
	Unaccounted for Interdepartmental						
	Lighting						\$74,170
	—gg						₹ .,=,0
	TOTAL MO RATE REVENUE	(\$55,790)	\$276,982	(\$2,341,386)	\$1,016,649	\$9,542,783	\$1,011,330

# Schedule

## SUMMARY OF NORMALIZATION OF SALES AND REVENUES MISSOURI PUBLIC SERVICE MO PSC CASE NO. ER-2001-672

#### RESIDENTIAL GENERAL USE (060/MO860)

	Actual	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed kWh Sales	Adj to Sales	Adj to Sales	kWh Sales	Adj to Sales
2000-01	109,411,946	4,876,903	3,544,932	117,833,781	7.70%
2000-02	102,885,520	6,172,885	-	109,058,405	6.00%
2000-03	98,343,169	4,701,619	-	103,044,788	4.78%
2000-04	80,810,247	2,777,949	-	83,588,196	3.44%
2000-05	88,471,633	(23,929)	-	88,447,704	-0.03%
2000-06	135,637,472	1,240,032	-	136,877,504	0.91%
2000-07	201,556,009	27,051,656	-	228,607,665	13.42%
2000-08	190,614,860	(9,380,561)	-	181,234,299	-4.92%
2000-09	224,749,933	(45,392,268)	-	179,357,665	-20.20%
2000-10	117,445,817	(11,708,572)	-	105,737,245	-9.97%
2000-11	90,502,035	(2,376,606)	-	88,125,429	-2.63%
2000-12	110,933,815	(6,635,701)	3,544,932	107,843,046	-2.79%
Total	1,551,362,456	(28,696,593)	7,089,864	1,529,755,727	-1.39%

	Actual	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed Revenue	Adj to Revenue	Adj to Revenue	Revenue	Adj to Revenue
2000-01	\$7,783,940	\$242,057	\$175, <del>94</del> 7	\$8,201,943	5.37%
2000-02	\$7,450,515	\$313,560	\$0	\$7,764,074	4.21%
2000-03	\$7,229,755	\$244,600	• \$0	\$7,474,355	3.38%
2000-04	\$6,205,567	\$153,119	\$0	\$6,358,686	2.47%
2000-05	\$6,678,926	(\$1,300)	\$0	\$6,677,626	-0.02%
2000-06	\$10,594,816	\$89,93 <del>9</del>	\$0	\$10,684,754	0.85%
2000-07	\$15,602,627	\$2,034,241	\$0	\$17,636,868	13.04%
2000-08	\$14,767,837	(\$699,391)	\$0	\$14,068, <del>44</del> 6	-4.74%
2000-09	\$17,335,165	(\$3,397,675)	\$0	\$13,937,490	-19.60%
2000-10	\$8,370,184	(\$600,706)	\$0	\$7,769,478	-7.18%
2000-11	\$6,784,269	(\$128,574)	\$0	\$6,655,695	-1.90%
2000-12	\$7,856,6 <del>94</del>	(\$334,800)	\$178,857	\$7,700,751	-1.98%
		(45 504 600)	<b>*</b> 254.004	4114 020 167	1 100/
Total	\$116,660,296	(\$2,084,932)	\$354,804	\$114,930,167	-1.48%

# Schedule

# RESIDE

## SUMMARY OF NORMALIZATION OF SALES AND REVENUES MISSOURI PUBLIC SERVICE MO PSC CASE NO. ER-2001-672

#### RESIDENTIAL SPACE HEATING (070/M0870)

	Actual	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed kWh Sales	Adj to Sales	Adj to Sales	kWh Sales	Adj to Sales
2000-01	62,804,821	7,843,910	4,781,654	75,430,385	20.10%
2000-02	65,118,558	10,889,093	•	76,007,651	16.72%
2000-03	50,269,918	9,850,729	-	60,120,647	19.60%
2000-04	36,666,322	3,563,283	-	40,229,605	9.72%
2000-05	29,630,980	902,459	-	30,533,439	3.05%
2000-06	36,005,297	1,235,562	-	37,240,859	3.43%
2000-07	48,419,596	4,562,457	-	52,982,053	9.42%
2000-08	45,515,927	(1,492,148)	-	44,023,779	-3.28%
2000-09	53,044,932	(8,003,413)	-	45,041,519	-15.09%
2000-10	34,812,308	(1,569,392)	-	33,242,916	-4.51%
2000-11	36,382,752	(874,590)	-	35,508,162	-2.40%
2000-12	61,466,776	(10,032,861)	4,781,654	56,215,569	-8.54%
j					
Total	560,138,187	16,875,089	9,563,308	586,576,584	4.72%

	Actual	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed Revenue	Adj to Revenue	Adj to Revenue	Revenue	Adj to Revenue
2000-01	\$2,968,605	\$245,514	\$149,666	\$3,363,785	13.31%
2000-02	\$3,044,909	\$340,829	\$0	\$3,385,737	11.19%
2000-03	\$2,559,548	\$308,328	\$0	\$2,867,876	12.05%
2000-04	\$2,080,510	\$135,749	\$0	\$2,216,259	6.52%
2000-05	\$1,849,544	\$40,579	\$0	\$1,890,123	2.19%
2000-06	\$2,767,141	\$89,223	\$0	\$2,856,365	3.22%
2000-07	\$3,743,432	\$341,821	\$0	\$4,085,253	9.13%
2000-08	\$3,524,822	(\$110,963)	\$0	\$3,413,859	-3.15%
2000-09	\$4,092,930	(\$597,919)	\$0	\$3,495,011	-14.61%
2000-10	\$2,123,805	(\$69,210)	\$0	\$2,054,595	-3.26%
2000-11	\$2,141,834	(\$36,472)	\$0	\$2,105 <i>,</i> 362	-1.70%
2000-12	\$2,988,220	(\$314,029)	\$149,666	\$2,823,857	-5.50%
Total	\$33,885,299	\$373,451	\$299,332	\$34,558,082	1.99%

# Schedule

#### **SUMMARY OF NORMALIZATION OF SALES AND REVENUES** MISSOURI PUBLIC SERVICE MO PSC CASE NO. ER-2001-672

#### SMALL GENERAL SERVICE (310/MO710)

	Annualized	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed kWh Sales	Adj to Sales	Adj to Sales	kWh Sales	Adj to Sales
2000-01	12,053,781	368,795	859,299	13,281,875	10.19%
2000-02	12,294,059	494,242	-	12,788,301	4.02%
2000-03	11,197,421	607,731	-	11,805,152	5.43%
2000-04	9,277,638	219,566	-	9,497,204	2.37%
2000-05	9,668,573	(75,383)	-	9,593,190	-0.78%
2000-06	11,745,169	(74,362)	-	11,670,807	-0.63%
2000-07	14,546,492	759,170	-	15,305,662	5.22%
2000-08	14,000,986	(326,806)	-	13,674,180	-2.33%
2000-09	16,001,345	(1,565,524)	-	14,435,821	- <del>9</del> .78%
2000-10	11,600,216	(499,107)	-	11,101,109	-4.30%
2000-11	10,755,703	(288,756)	-	10,466,947	-2.68%
2000-12	12,738,100	(633,644)	859,299	12,963,755	1.77%
Total	145,879,483	(1,014,078)	1,718,598	146,584,003	0.48%

	Annualized	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed Revenue	Adj to Revenue	Adj to Revenue	Revenue	Adj to Revenue
2000-01	\$818,763	\$10,811	\$25,190	\$854,764	4.40%
2000-02	\$825,123	\$14,019	\$0	\$839,142	1.70%
2000-03	\$792,894	\$19,273	. \$ <u>.</u> 0	\$812,168	2.43%
2000-04	\$722,121	\$8,471	\$0	\$730,592	1.17%
2000-05	\$759,905	(\$2, <del>99</del> 8)	\$0	\$756,907	-0.39%
2000-06	\$1,146,649	(\$6,306)	\$0	\$1,140,343	-0.55%
2000-07	\$1,418,161	\$64,378	\$0	\$1,482,539	4.54%
2000-08	\$1,368,354	(\$27,713)	\$0	\$1,340,641	-2.03%
2000-09	\$1,541,019	(\$132,756)	\$0	\$1,408,262	-8.61%
2000-10	\$891,811	(\$19, <i>7</i> 03)	\$0	\$872,109	-2.21%
2000-11	\$817,491	(\$11,017)	\$0	\$806,474	-1.35%
2000-12	\$880,904	(\$20,341)	\$27,585	\$888,148	0.82%
Total	\$11,983,195	(\$103,881)	\$52,776	\$11,932,090	-0.43%

### SMALL GENERAL SERVICE (311/M0711)

	Annualized	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed kWh Sales	Adj to Sales	Adj to Sales	kWh Sales	Adj to Sales
2000-01	39,968,881	1,163,157	1,667,812	42,799,850	7.08%
2000-02	39,430,074	1,541,612	-	40,971,686	3.91%
2000-03	37,756,880	1,031,189	-	38,788,069	2.73%
2000-04	35,380,453	522,396	-	35,902,849	1.48%
2000-05	37,304,139	(343,417)	-	36,960,722	-0.92%
2000-06	47,124,079	(250,823)	-	46,873,256	-0.53%
2000-07	53,348,963	2,517,635	-	55,866,598	4.72%
2000-08	51,942,247	(1,320,743)	-	50,621,504	-2.54%
2000-09	57,595,023	(4,710,794)	-	52,884,229	-8.18%
2000-10	44,181,761	(1,460,035)	-	42,721,726	-3.30%
2000-11	39,960,796	(894,755)	- 1	39,066,041	-2.24%
2000-12	40,534,531	(1,598,058)	1,667,812	40,604,285	0.17%
	,				
Total	524,527,827	(3,802,636)	3,335,623	524,060,814	-0.09%

	Annualized	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed Revenue	Adj to Revenue	Adj to Revenue	Revenue	Adj to Revenue
2000-01	\$2,153,167	\$41,459	\$59,447	\$2,254,072	4.69%
2000-02	\$2,124,219	\$55,207	\$0	\$2,179,426	2.60%
2000-03	\$2,073,882	\$37,610	\$0	\$2,111,492	1.81%
2000-04	\$2,000,070	\$19,870	\$0	\$2,019,939	0.99%
2000-05	\$2,096,952	(\$12,945)	\$0	\$2,084,008	-0.62%
2000-06	\$3,297,074	(\$13,483)	\$0	\$3,283,591	-0.41%
2000-07	\$3,742,813	\$134,681	\$0	\$3,877,494	3.60%
2000-08	\$3,746,381	(\$72,958)	\$0	\$3,673,423	-1.95%
2000-09	\$4,036,269	(\$254,601)	\$0	\$3,781,668	-6.31%
2000-10	\$2,465,423	(\$53,713)	\$0 ,	\$2,411,710	-2.18%
2000-11	\$2,218,867	(\$33,204)	\$0	\$2,185,663	-1.50%
2000-12	\$2,189,894	(\$57,815)	\$60,339	\$2,192,417	0.12%
Total	<b>\$32,145,011</b>	(\$209,892)	\$11 <del>9</del> ,786	\$32,054,904	0.28%

#### **SMALL GENERAL SERVICE (316/M0716)**

	Annualized	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed kWh Sales	Adj to Sales	Adj to Sales	kWh Sales	Adj to Sales
2000-01	151,840	4,500	28,649	184,989	21.83%
2000-02	235,760	9,135	-	244,895	3.87%
2000-03	132,081	3,017	-	135,098	2.28%
2000-04	219,320	3,529	-	222,849	1.61%
2000-05	217,580	(2,065)	-	215,515	-0.95%
2000-06	215,240	(1,972)	-	213,268	-0.92%
2000-07	142,440	6,304	-	148,744	4.43%
2000-08	350,020	(2,028)	•	347,992	-0.58%
2000-09	297,100	(24,706)	-	272,394	-8.32%
2000-10	259,220	(8,228)	-	250,992	-3.17%
2000-11	232,080	(4,711)	-	227,369	-2.03%
2000-12	228,060	(8,855)	28, <del>6</del> 49	247,854	8.68%
Total	2,680,741	(26,080)	57,297	2,711 <u>,958</u>	1.16%

	Annualized	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed Revenue	Adj to Revenue	Adj to Revenue	Revenue	Adj to Revenue
2000-01	\$6,771	\$185	\$1,178	\$8,134	20.12%
2000-02	\$9,490	\$345	\$0	\$9,835	3. <del>64</del> %
2000-03	\$6,381	\$135	\$0	\$6,516	2.11%
2000-04	\$8,794	\$132	\$0	\$8,926	1.50%
2000-05	\$8,956	(\$80)	\$0	\$8,876	-0.89%
2000-06	\$15,219	(\$119)	\$0	\$15,100	-0.78%
2000-07	\$10,324	\$356	\$0	\$10,680	3.45%
2000-08	\$22,024	(\$114)	\$0	\$21,910	-0.52%
2000-09	\$18,872	(\$1,396)	\$0	\$17,476	-7.40%
2000-10	\$13,634	(\$397)	\$0	\$13,237	-2.91%
2000-11	\$12,223	(\$226)	\$0	\$11,997	-1.85%
2000-12	\$12,467	(\$440)	\$1,423	\$13,451	7.89%
Total	\$145,156	(\$1,619)	\$2,601	\$146,138	0.68%

#### LARGE GENERAL SERVICE (320/M0720)

	Annualized	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed kWh Sales	Adj to Sales	Adj to Sales	kWh Sales	Adj to Sales
2000-01	54,092,986	577,205	1,684,025	56,354,216	4.18%
2000-02	55,261,510	933,274	-	56,194,784	1.69%
2000-03	48,281,488	(107,495)	-	48,173,993	-0.22%
2000-04	52,754,221	239,534	-	52,993,755	0.45%
2000-05	55,705,466	(487,973)	-	55,217,493	-0.88%
2000-06	63,229,806	(101,584)	-	63,128,222	-0.16%
2000-07	68,776,383	1,701,986	-	70,478,369	2.47%
2000-08	66,869,898	(1,306,263)	-	65,563,635	-1.95%
2000-09	71,658,187	(3,359,621)	-	68,298,566	-4.69%
2000-10	61,439,469	(1,503,548)	-	59,935,921	-2.45%
2000-11	54,778,280	(1,074,246)	-	53,704,034	-1.96%
2000-12	51,817,084	(543,728)	1,684,025	52,957,381	2.20%
Total	704,664,778	(5,032,459)	3,368,049	703,000,368	-0.24%

	Annualized	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed Revenue	Adj to Revenue	Adj to Revenue	Revenue	Adj to Revenue
2000-01	\$2,403,506	\$21,984	\$64,139	\$2,489,629	3.58%
2000-02	\$2,430,916	\$35,651	\$0	\$2,466,568	1.47%
2000-03	\$2,173,515	(\$4,158)	\$0	\$2,169,357	-0.19%
2000-04	\$2,392,701	\$9,222	\$0	\$2,401,923	0.39%
2000-05	\$2,461,175	(\$18,434)	\$0	\$2,442,742	-0.75%
2000-06	\$3,836,952	(\$5,145)	\$0	\$3,831,807	-0.13%
2000-07	\$4,167,059	\$86,557	\$0	\$4,253,616	2.08%
2000-08	\$4,160,168	(\$67,949)	\$0	\$4,092,219	-1.63%
2000-09	\$4,395,473	(\$173,171)	\$0	\$4,222,303	-3.94%
2000-10	\$2,839,084	(\$59,634)	\$0	\$2, <i>77</i> 9,450	-2.10%
2000-11	\$2,441,924	(\$40,942)	\$0	\$2,400,982	-1.68%
2000-12	\$2,281,455	(\$20,608)	\$63,826	\$2,324,673	1.89%
Total	<b>\$35,983,929</b>	(\$23 <u>6,626)</u>	\$127,965	\$35,875,268	0.30%

#### LARGE GENERAL SERVICE (325/M0725)

	Annualized	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed kWh Sales	Adj to Sales	Adj to Sales	kWh Sales	Adj to Sales
2000-01	2,540,324	31,587	(7,940)	2,563,972	0.93%
2000-02	2,515,416	53,212	-	2,568,628	2.12%
2000-03	2,188,046	37,799	-	2,225,845	1.73%
2000-04	2,518,454	39,057	-	2,557,511	1.55%
2000-05	2,531,416	(58,380)	-	2,473,036	-2.31%
2000-06	2,246,732	31,323	-	2,278,055	1.39%
2000-07	3,503,229	119,501	-	3,622,730	3.41%
2000-08	3,320,806	(79,009)	-	3,241,797	-2.38%
2000-09	3,754,867	(205,575)		3,549,292	-5.47%
2000-10	3,386,342	(35,520)	-	3,350,822	-1.05%
2000-11	2,565,767	(33,219)	-	2,532,548	-1.29%
2000-12	2,340,667	(46,872)	(7,940)	2,285,856	-2.34%
Total	33,412,066	(146,096)	(15,879)	33,250,091	-0.48%

	Annualized	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed Revenue	Adj to Revenue	Adj to Revenue	Revenue	Adj to Revenue
2000-01	\$104,664	\$1,154	(\$290)	\$105,527	0.83%
2000-02	\$100,560	\$1,985	\$0	\$102 <i>,</i> 545	1.97%
2000-03	\$87,588	\$1,324	\$0	\$88,912	1.51%
2000-04	\$102,474	\$1,404	\$0	\$103,878	1.37%
2000-05	\$99,325	(\$2,038)	\$0	\$97,287	-2.05%
2000-06	\$122,715	\$1,473	\$0	\$124,188	1.20%
2000-07	\$200,316	\$5,940	\$0	\$206,256	2.97%
2000-08	\$201,435	(\$4,780)	\$0	\$196,655	-2.37%
2000-09	\$223,694	(\$10,694)	\$0	\$212,999	-4.78%
2000-10	\$146,863	(\$1,403)	\$0	\$145,460	-0.96%
2000-11	\$103,614	(\$1,234)	\$0	\$102,381	-1.19%
2000-12	\$96,619	(\$1,773)	(\$300)	\$94,545	-2.15%
Total	\$1,589,866	(\$8,643)	(\$590)	\$1,580,633	-0.58%

#### SCHOOL & CHURCH (340/MO740)

	Annualized	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed kWh Sales	Adj to Sales	Adj to Sales	kWh Sales	Adj to Sales
2000-01	4,056,485	303,733	855,848	5,216,066	28.59%
2000-02	4,513,761	323,013	-	4,836,774	7.16%
2000-03	3,756,997	320,085	- i	4,077,082	8.52%
2000-04	3,783,660	151,518	-	3,935,178	4.00%
2000-05	3,466,158	.3,126	-	3,469,284	0.09%
2000-06	4,035,682	82,315	-	4,117,997	2.04%
2000-07	4,697,499	581,606	-	5,279,105	12.38%
2000-08	5,146,217	(395,383)	-	4,750,834	-7.68%
2000-09	6,261,113	(1,263,326)	-	4,997,787	-20.18%
2000-10	5,191,261	(306,356)	-	4,884,905	-5.90%
2000-11	3,760,760	(156,328)	-	3,604,432	-4.16%
2000-12	4,060,350	(428,238)	855,848	4,487,960	10.53%
Total	52,729,943	(784,235)	1,711,695	53,657,403	1.76%

	Annualized	Weather	Unbilled	Total Normalized	Total Normalization
Rev Mo	Billed Revenue	Adj to Revenue	Adj to Revenue	Revenue	Adj to Revenue
2000-01	\$219,693	\$10,412	\$29,338	\$259 <del>,44</del> 3	18.09%
2000-02	\$236, <del>44</del> 9	\$10,216	\$0	\$246,665	4.32%
2000-03	\$200,332	\$10,703	\$0	\$211,035	5.34%
2000-04	\$216,803	\$5,850	\$0	\$222,653	2.70%
2000-05	\$199,322	\$124	\$0	\$199,446	0.06%
2000-06	\$293,839	\$6,042	\$0	\$299,881	2.06%
2000-07	\$356,000	\$42,690	\$0	\$398,690	11.99%
2000-08	\$390,152	(\$29,021)	\$0	\$361,131	-7.44%
2000-09	\$471,464	(\$92,728)	\$0	\$378,736	-19.67%
2000-10	\$309,631	(\$12,189)	\$0	\$297 <b>,44</b> 2	-3.94%
2000-11	\$212,304	(\$6,014)	\$0	\$206,290	-2.83%
2000-12	\$217, <del>4</del> 81	(\$15,331)	\$30,639	\$232,789	7.04%
Total	\$3,323,470	(\$69,246)	\$59,977	\$3,314,201	-0.28%