Exhibit No.:

Issues: Dues & Donations,

MoPSC Assessment, Rate Case Expense, Miscellaneous Expenses,

Advertising,

Cash Working Capital,

Witness: Le

Leasha S. Teel MoPSC Staff

Sponsoring Party: Type of Exhibit:

Direct Testimony

Case No.:

EC-2002-1

Date Testimony Prepared:

March 1, 2002

MISSOURI PUBLIC SERVICE COMMISSION UTILITY SERVICES DIVISION

DIRECT TESTIMONY

OF

FILED³

MAR 0 1 2002

LEASHA S. TEEL

Missouri Public Service Commission

UNION ELECTRIC COMPANY d/b/a AMERENUE

CASE NO. EC-2002-1

Jefferson City, Missouri March 2002

Denotes Proprietary Information

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1		DIRECT TESTIMONY
2		OF
3		LEASHA S. TEEL
4		UNION ELECTRIC COMPANY
5		d/b/a AMERENUE
6		CASE NO. EC-2002-1
7		
8	Q.	Please state your name and business address.
9	A.	Leasha S. Teel, 815 Charter Commons, Suite 100B, Chesterfield, Mo.
10	63017.	
11	Q.	By whom are you employed and in what capacity?
12	A.	I am a Regulatory Auditor for the Missouri Public Service Commission
13	(MoPSC or C	Commission).
14	Q.	Please describe your educational background.
15	A.	I graduated from Webster University in December 1998 with a Bachelor's
16	degree in Acc	counting.
17	Q.	Have you previously filed testimony before this Commission?
18	A.	Yes, I previously filed testimony in Case No. EC-2002-1,
19	AmerenUE(C	Company) and GR-2001-629, Laclede Gas Company.
20	Q.	Have you made an investigation or study of the books and records of
21	AmerenUE (UE or Company) in Case No. EC-2002-1?
22	A.	Yes, in conjunction with other members of the Commission Staff (Staff).
23	Q.	Please identify your areas of responsibility in Case No. EC-2002-1.

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A. Adjustment S-17.5 proposes to disallow expenses relating to various dues and donations. The Staff recommends disallowing these expenses because they are not related to the provision of electric service. They are discretionary and are not necessary for safe and adequate service, and provide no direct benefit to the ratepayers. Without these disallowances, ratepayers would be, in effect, involuntary contributors to these organizations.

Direct Testimony of Leasha S. Teel

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Q. Please provide examples and your reasons why the dues and donations included in adjustment S-17.5 are not appropriate for inclusion in rates.

**

AmerenUE also pays for Edison Electric Institute (EEI) membership and dues. The Edison Electric Institute is a national association of investor-owned electric utilities that is significantly engaged in lobbying activities. In Staff Data Request No. 9 in this case, I asked the Company to provide all direct benefits for membership in EEI for the 12 months ending June 30, 2001 for AmerenUE. I also asked the Company to: 1) provide every direct benefit listed for membership in Edison Electric Institute for the test year; 2) quantify, in dollars, the benefits received; and 3) indicate if the benefit is applicable to the shareholder or the ratepayer. The Company responded saying: "The Company does not track specific benefits as assumed by this Data Request." Lobbying activities may benefit the shareholders, but the Company has provided no evidence that such activities directly benefit ratepayers.

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** The website www.mowildlife.org states, "Your paver contribution helps the Center feed and provide medical care for the thousands of animals that come in to the Center each year."

Taxpayers' Federation of Illinois was another organization in which monies were charged to Missouri operations for a function that serves Illinois. According to the response to Staff Data Request No. 95, "The Taxpayers' Federation of Illinois is a nonprofit, nonpartisan organization that provides analysis and assistance to state, county, and local officials, the media and member companies on tax and financial issues related to state and local tax policies in Illinois."

The Staff believes that none of these test year payments provide any benefit to Missouri electric ratepayers. AmerenUE seeks to make customers involuntary contributors by booking these contributions in an above-the-line account. These types of expenses should be assigned to shareholders, not ratepayers.

- Q. What is your understanding of the legal basis for making the adjustments provided for in S-17.5?
- A. The Commission has consistently excluded dues like the ones recommended by the Staff for disallowance in this case. For example, in <u>The Staff of the Missouri Public Service Commission v. Union Electric Company</u>, 29 P.S.C. (N.S.) 313, 332, the Commission said that dues paid to EEI do not produce any direct benefit to the

Direct Testimony of Leasha S. Teel

ratepayers because lobbying activities do not directly benefit ratepayers. The Report And Order goes on to state:

This Commission has consistently excluded EEI dues from cost of service for the last several years on the ground that these payments have not been shown to produce any direct benefit to the ratepayers. As previously stated, the Commission has stated that not only must a direct benefit be shown but also the benefits must be quantified and allocated between shareholders and ratepayers.

See also Re: Kansas City Power & Light Company, 75 P.U.R 4th 1, 32, 28 Mo. P.S.C. (N.S.) 228, 259 (1986).

Regarding the issue of charitable contributions, the Commission also has a long-standing policy dating back to 1918, when the Commission denied inclusion of charitable contributions in the case of <u>In re Kansas City Light & Power Co.</u>, 8 Mo. P.S.C. 223. More recently, in <u>State ex rel. Laclede Gas Company v. Public Service Commission</u>, 600 S.W. 2d 222, 229 (Mo. App. W.D. 1980), the Appellate Court confirmed that the Commission has the discretion to find that income tax deductions are adequate to encourage a company to make donations.

The Commission's policies do not mean that the Company is not free to exercise its own management decisions about these expenditures. It just means that the shareholders are the ones who directly benefit from the dues and donations, so they should be the ones that pay for them. The ratepayers should not have to make involuntary contributions or pay dues to charities and other organizations of the Company's choice.

MoPSC ASSESSMENT

Q. Please discuss adjustment S-17.20 to annualize the MoPSC assessment.

Direct Testimony of Leasha S. Teel

A. This adjustment represents the difference between the Staff's annualized MoPSC Assessment and the test year recorded assessment expense. The most recent MoPSC Assessment, in effect for the fiscal year July 1, 2001 to June 30, 2002, was used in the Staff's annualization.

RATE CASE EXPENSE

- Q. Please explain adjustment S-17.16.
- A. This adjustment increases administrative and general expenses to reflect the estimated cost to the Company of processing this rate case. The Staff believes a level of \$300,000 is a sufficient annual allowance for rate case expense. The Staff has some concerns about the significant amount of money the Company is spending related to this case and will continue to evaluate these expenditures and their appropriateness. Staff is compiling rate case expenditures from other utilities across the state to evaluate the magnitude of the dollars for rate case expense spent by the Company.

MISCELLANEOUS EXPENSES

- Q. Please explain adjustments S-10.4, 12.5, 13.5, 14.4, 15.3 and S-17.18.
- A. Adjustments S-10.4, 12.5, 13.5, 14.4, 15.3 and S-17.18 eliminate all test year miscellaneous expenses related to Company Christmas parties, Christmas cards, candies and flowers. A summary of the Staff's adjustment to the Company's miscellaneous expenses is attached as Schedule 1 to my direct testimony. The Staff eliminated these items because they are unnecessary for the provision of safe and adequate service to customers.
- Q. Please give specific examples of what items the Staff has disallowed in miscellaneous expenses.

:	Direct Testimony of Leasha S. Teel
1	A. **
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13	** These are all examples of expenses that
14	AmerenUE included in above-the-line expense during the test year. The Staff has
15	disallowed these expenses because these expenses are not needed to provide safe and
16	adequate service.
17	ADVERTISING
18	Q. Please explain adjustments S-14.3 and S-17.4.
19	A. Adjustments S-14.3 and S-17.4 reflect the disallowance of advertising
20	costs as defined below.
21	Q. Please explain the history of such adjustments before the Commission.
22	A. The Commission, in its Report And Order in Case Nos. EO-85-185 and
23	EO-85-224, involving Kansas City Power & Light Company (KCPL), adopted the
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ratemaking treatment proposed by the Staff, which separates advertisements into five categories and provides separate rate treatment for each category. The five categories of advertisements recognized by the Commission for purposes of this approach are:

- General informational advertising that is useful in the provision of (1)adequate service;
- Safety advertising that conveys the ways to safely use electricity (2) and to avoid accidents;
- (3) Promotional – advertising used to encourage or promote the use of electricity;
- (4) Institutional - advertising used to improve AmerenUE's public image; and
- (5) Political – advertising, that is associated with political candidates or issues.

The Commission adopted these categories for advertisements because it believed that a utility's revenue requirement should: (1) always include general and safety ads, provided such costs are reasonable; (2) never include the cost of institutional or political ads; and (3) include the cost of promotional ads only to the extent that the utility can provide cost justification for the ads. [KCPL, Report And Order, 28 Mo.P.S.C. (N.S.) 228, 269-71 (1986)].

- Q. Has this standard been used in more recent cases before the Commission?
- A. Yes. The Commission has upheld the KCPL standard in numerous cases since 1985, most recently in Case No. GR-99-315, Laclede Gas Company.
- Q. Please discuss the examination performed by the Staff of AmerenUE's advertising expenditures.
- A. The Staff performed a review of each advertisement sponsored in whole or in part by AmerenUE that was expensed during the test year. Attached, as Schedule 2 to

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21 22 this testimony, is a listing of the Staff's classification of all AmerenUE's advertising during the test year ending July 1, 2000 to June 30, 2001. The Staff has very recently received additional advertising information from the Company that the Staff was unable to review and include in this testimony. Staff will evaluate this information and update the adjustment as necessary.

- Q. How did the Staff determine each advertisement's classification under the KCPL standard?
- A. Each advertisement was reviewed to determine which of the following "primary messages" the advertisement was designed to communicate: (1) the dissemination of information necessary to obtain safe and adequate service (general, safety); (2) the promotion of a particular product or service (promotional); (3) the enhancement of AmerenUE's image (institutional); or (4) the endorsement of a political candidate or issue (political).
 - How did AmerenUE classify the advertisements? Q.
- A. AmerenUE provided classifications in its responses to Staff Data Request Nos. 26 and 48 submitted during the Staff's review of the third sharing period of the second experimental alternative regulation plan (EARP); and Data Request No. 40 in Case No. EC-2002-1, which are attached as Schedule 3 to this testimony.
 - How has the Staff treated general and safety advertising? Q.
- The Staff made no adjustments to test year expense associated with the A. advertisements that it classified as general or safety advertising, except for those advertisements Staff classified as errors in booking.

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- Q. Why did the Staff disallow certain advertisements classified as errors in booking?
- A. The Staff disallowed advertisements that were classified as errors in booking because they pertained to AmerenUE's natural gas operations, but were allocated by the Company to Missouri electric operations. These advertisements clearly should have been allocated in entirety to Missouri gas operations. Missouri electric customers should not have to pay for an advertisement unrelated to electric service.
 - Q. Please describe AmerenUE's gas safety ads.
 - A. **
- ** Please refer to Schedule 4 in my testimony to reference these two advertisements. All of the advertisements included in that amount had "What is that Smell?" in big bold print. Below the large print are tips to prevent a gas leak and phone numbers for reporting gas leaks. The advertisements describe what natural gas smells like, tell what not do if you smell gas and provide other safety tips. The advertisements also provide a number to call if the reader intends to excavate, to prevent natural gas leaks. The only difference in these advertisements is that one gives a number for Dig Rite, and the other gives a number for Joint Utility Location Information (JULIE). Both advertisements contain the text "AmerenUE," the Ameren logo, the phrase, "We're always there," and the AmerenUE website address.
 - Q. Why have you disallowed these gas safety advertisements?
- A. The gas safety advertisements are disallowed because they were allocated to Missouri electric operations. This is also the reason the advertisements were labeled errors in booking. These two advertisements are clearly for Missouri gas operations, and

Missouri electric customers should not have to pay for an advertisement unrelated to

2 | electric service.

Q. Why have you disallowed the Dollar More advertisement entitled "Earmuffs?"

- A. The advertisement was disallowed because it was a natural gas advertisement. The advertisement was classified as an error in booking similarly to the gas safety advertisements. This particular advertisement encourages participation in the Dollar More program due to the rise in natural gas prices. Dollar More is a program to help low income customers by asking the ratepayer to pay an additional dollar on a customer's gas bill, not electric bill. This advertisement is clearly intended for Missouri gas operations. As I stated in the last paragraph, Missouri electric customers should not have to pay for an advertisement unrelated to electric service
 - Q. How has the Staff treated promotional advertising?
- A. The Staff did not classify any advertisements by AmerenUE as promotional during the test year.
 - Q. How has the Staff treated institutional advertising?
- A. The Staff has removed the expenses for institutional advertisements from the test year. Institutional (or goodwill) advertising is designed to enhance AmerenUE's public image. This form of advertising is not necessary for AmerenUE to provide safe and adequate service. The Staff believes that this type of image enhancement advertising only benefits the shareholders of the utility.
 - Q. Have you attached the advertisements that you describe in this testimony?

- A. Yes, I have attached, as Schedule 4 to my direct testimony, every advertisement that AmerenUE has provided to the Staff.
 - Q. Please give a list of advertisements that the Staff classified as institutional.
- A. Advertisements regarding SmartLights, Holiday-"Snowman," Bump in the Night, Environmental-"Yours & Ours," Jane and Fred/Direct Pay (Tree of Lights) Scholarship Awards/"We're Happy," development of the Adopt-the-Shoreline cleanup program/"Save Your Life," GreenLeaf Power plants, The Repertory Theatre, Dance St. Louis, Fox Theatre, Sheldon Concert Hall, St. Louis Symphony Opera, Edison Theatre, the St. Louis Rams, St. Louis Cardinals, St. Louis Blues, Gateway International, Family Arena, Missouri River Otters, St. Louis Art Fair, Black Repertory Theatre, The Muny and Urban League, and the Opera Theatre of St. Louis were classified as institutional and disallowed. The Staff does not believe that AmerenUE's involvement and sponsorship of these organizations justifies recovery of these advertising expenses from ratepayers.
- Q. Please provide a brief description of some examples of the abovementioned institutional programs.
- A. The SmartLights program, as stated in AmerenUE's advertisements, "provides funds to help qualified not-for-profit and community groups buy energy efficient public lighting."

As listed above in their advertisement, "We're Happy"/Scholarship Awards, AmerenUE funds several college scholarships through the scholarship awards programs to needy and qualified students.

1	The Adopt-the-Shoreline clean-up program, as stated in AmerenUE's
2	advertisement helps "the effort to keep the Lake of the Ozarks shoreline safe and clean."
3	AmerenUE supplies the trash bags and up to \$200 for trash disposal.
4	Q. Why does the Staff believe that AmerenUE's advertising, for other
5	organizations listed previously in this testimony, should not be recovered from ratepayers
6	as the cost of institutional (goodwill) advertising expense?
7	A. The Staff believes that expenditures related to the above-mentioned
8	organizations are not required to provide safe and adequate service and, therefore, the
9	ratepayers should not have these expenditures included in their rates. This type of image-
10	enhancement advertising only serves to benefit the shareholders of the utility.
11	Furthermore, this type of advertising would require the ratepayers of AmerenUE to
12	contribute, through customer rates, to programs or activities to which the customer may
13	be opposed.
14	Q. How much did AmerenUE spend on institutional advertising during the
15	test year?
16	A. **
17	**
18	Q. What advertising media constitute the majority of the "institutional
19	advertising" dollars?
20	A. **
21	** Sponsorship
22	advertisements are signs prominently displayed at the major St. Louis sporting venues:

Busch Stadium, the Edward Jones Dome and the Savvis Center.

1	Q.	Why did the Staff classify television and sponsorship ads as institutional?
2	A.	The Staff believes that the primary purpose of each of these
3	advertisemen	ts was to enhance AmerenUE's image. Please refer to Schedule 4 of my
4	direct testimo	ony for a copy of the transcripts or advertisements used by AmerenUE in the
5	test year.	
6	Q.	Did AmerenUE fund any political advertising in the test year?
7	Α.	No.
8	CASH WOR	KING CAPITAL
9	Q.	Please identify the Accounting Schedules you are sponsoring.
10	Α.	I am sponsoring Accounting Schedule 8, Cash Working Capital (CWC).
11	Q.	Please explain Accounting Schedule 8.
12	A.	Accounting Schedule 8 is the Staff's calculation of CWC. Staff's CWC
13	requirement v	was calculated through the use of a lead/lag study performed for the test year
14	ending June 3	30, 2001.
15	Q.	What is the purpose of a lead/lag study?
16	Α.	A lead/lag study determines the amount of cash that is necessary on a day-
17	to-day basis i	n order for AmerenUE to provide service to the ratepayers. A lead/lag study
18	also determin	es who supplies the cash.
19	Q.	What are the sources of CWC?
20	A.	The shareholder and the ratepayer are the sources of CWC.
21	Q.	How does the shareholder supply CWC?
22	A.	When AmerenUE spends cash to pay for an expense before the ratepayer
23	provides the	cash then the shareholder must supply that cash. This cash represents a

A.

portion of the shareholder's total investment in AmerenUE. The shareholder is compensated for the CWC funds provided by the inclusion of these funds in rate base, thereby providing a return on the shareholder's investment.

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Q. How does the ratepayer provide CWC?

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AmerenUE before AmerenUE must pay for expenses incurred to provide that service.

Ratepayers supply CWC when they pay for service provided by

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The ratepayer is compensated for the CWC funds by a rate base reduction of the amount

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of cash they provided. This allows the general body of ratepayers to be credited with the

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Q. How are the results from a lead/lag study interpreted?

same rate of return that AmerenUE is earning on its utility investment.

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A. A negative CWC requirement indicates that the ratepayer provided the cash working capital in the aggregate during the test year. A positive requirement

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indicates that the shareholder provided cash working capital in the aggregate during the

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test year.

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Q. What methodology was used to calculate Accounting Schedule 8, Cash Working Capital?

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A. The CWC analysis was based upon the lead/lag study developed in

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AmerenUE's previous gas rate case, No. GR-2000-512, updated for material changes in

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the calculation of specific expense lags. The Staff also calculated addition of lags that

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Q. Please identify the expense lags that the Staff updated or added from Case

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No. GR-2000-512.

pertain to electric operations.

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A.

The components of the Staff's calculation are as follows:

AmerenUE pays on a day-to-day basis.

Column A (Account Description): lists the types of cash expenses, which

Column B (Test Year Expenses): shows the amount of annualized expense included in the cost of service. Column B shows the dollars associated with the items listed in Column A on an adjusted Missouri jurisdictional basis. These annualized amounts are based on the Staff's test year ending June 30, 2001.

Column C (Revenue Lag): shows the number of days between the midpoint of the provision of service by AmerenUE and the payment for the service by the ratepayer. The revenue lag addressed in this case is explained in greater detail later in this direct testimony.

Column D (Expense Lag): shows the number of days between the receipt of and the payment for, the goods and services (i.e., cash expenditures) used to provide service to the ratepayer.

Column E (Net Lag): results from the subtraction of the Expense Lag (Column D) from the Revenue Lag (Column C).

Column F (Factor): expresses the CWC lag in days as a fraction of the total days in the test year. This is accomplished by dividing the Net Lags in Column E by 365.

<u>Column G (CWC Requirement)</u>: depicts the average amount of cash necessary to provide service to the ratepayer. This is computed by multiplying the Test Year Expenses (Column B) by the CWC Factor (Column F).

- Q. Please describe the revenue lag.
- A. The revenue lag is defined as the amount of time between the provision of service by AmerenUE and the receipt of the payment for that service from ratepayers. The revenue lag for this case is believed to have decreased from the last gas rate case, due

to the installation of more efficient meter reading equipment. The revenue lag is the sum of three subcomponent lags. They are defined as follows:

<u>Usage Lag</u>: the midpoint of average time elapsed from the beginning of the first day of a service period through the last day of that service period.

Billing Lag: the period of time between the end of the last day of a service period and the day the bill is placed in the mail by AmerenUE.

<u>Collection Lag</u>: the period of time between the day AmerenUE places the bill in the mail and the day AmerenUE receives payment from the ratepayer for services performed.

- Q. Please define how you are using the term "service period" in this testimony.
- A. In reference to the revenue lag, a service period is merely the amount of time, in days, in which the customer receives electric service for billing purposes. In the discussion of expense lags, this term denotes the period in which AmerenUE receives materials or services from its suppliers.
 - Q. Please explain the calculation of the usage lag.
- A. The usage lag was computed by dividing the number of days in the test year (365) by the number of billing periods in a year, (12), and dividing the result by two to derive the average service period. The usage lag of 15.21 days is derived from the above calculation.
 - Q. Please explain the calculation of the billing lag.
- A. The billing lag was determined by analyzing the number of days between the end of the service period and the day the bill was mailed. The billing lag was

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calculated from the cycle bill-reading schedule supplied by AmerenUE. The analysis revealed that the average time to process and mail the bill was 1.44 days. The billing lag of 1.44 days includes the effect of weekends and holidays during the test year.

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Q. Why is the billing lag shorter than in previous AmerenUE cases?

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A. The billing lag has decreased due to the installation and implementation of an automated meter reading system. The automated meter reading system was over 90%

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completed by June of 2000 when this lag calculation was performed.

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Q. How did the Staff determine the collection lag in this case?

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when it was paid. The collection lag for the different customer types was provided in a

The collection lag measures the time between when the bill is mailed and

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report furnished by AmerenUE. This report, entitled Cash Lag Report, included past-due

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monies but not uncollectable amounts. The Cash Lag Report was broken into different

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segments and a lag was calculated for each segment. The segments consisted of

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Residential, Industrial, Commercial and other. The Cash Lag Report calculated the

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average lag days for the current "dollar days" and the 12 months to date dollar days for

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each of the above segments listed. ("Dollar days" are the revenues multiplied by the days

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the bill is outstanding.) I took the revenue lag from the reports provided by the

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Company, which I then multiplied by the test year revenues for each rate class to

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Q. Please give the summary of the total revenue lag.

determine the dollar days. The collection lag was determined to be 22.22 days.

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A. The billing lag is 1.44 days, the collection lag is 22.22 days, and the usage

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lag is 15.21 days. The total revenue lag is 38.87 days.

Accounting Schedule 8.

Ameren Services payroll.

- 1 2
- Q. Please explain the expense lags for each item listed on Accounting Schedule 8.
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- A. The expense items listed on Accounting Schedule 8, lines 1 through 5, relate to payroll. Payroll has been subdivided into the following five subcomponents:
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- (1) base payroll; (2) vacation payroll; (3) federal income tax withheld; (4) state income
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- tax withheld; and (5) employee FICA (Social Security/Medicare) taxes.
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- Please explain the base payroll expense lag calculation on line 2 of Q.
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- The base payroll expense lag is the time lapse between the midpoint of the A.
- 10 period in which employees earned wages, and the date the wages were paid by
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- AmerenUE. The Staff in this case used the base payroll expense lag of 10.61 days that
- 12
- was used in the last gas rate case, since the lag was calculated using total AmerenUE and
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- AmerenCorporation. Ameren Services Company provides shared support services to

Ameren Services Company is a subsidiary of

- 15 AmerenUE.

Q.

the last gas rate case.

- 16
- payroll on line 3 of Accounting Schedule 8.
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A. The expense lag day computation considers the time-lapse between the

average date the respective vacation is earned (i.e., the midpoint of the year) and the date

Please explain the computation of the expense lag days for vacation

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- 20 when the employee took the vacation (i.e., the midpoint of the following year). For
- 21 purposes of this lag calculation, the Staff assumed that all vacation was taken evenly
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- throughout the year. Staff used the vacation expense lag of 365 days used by the Staff in
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- Q. What is the basis for the expense lag days assigned to payroll withholdings for federal withholding taxes, state withholding taxes and employee FICA taxes on lines 4 through 6 of Accounting Schedule 8?
- A. The withholding lag days were based upon the same periods used for base payroll. The respective expense lag day computations considered the time-lapse between the average date the respective payroll was earned and the tax due dates. The federal withholding, state withholding and FICA tax lags were 12.97, 16.42 and 12.97 days, respectively. The Staff used these lags in the last gas rate case.
- Q. Please explain the expense lag for coal as found on Accounting Schedule 8.
- A. The coal expense lag is the time-lapse between the dates the coal and/or freight services were received and the date AmerenUE paid for these goods and/or services. The coal expense lag represents all coal and freight costs dollar-weighted together for a 22.41day coal expense lag, based on a sample of coal and freight vouchers.
 - Q. Please explain the expense lags for gas and oil.
- A. The gas and oil expense lags were determined by the difference in days between midpoint of the period when AmerenUE receives the gas and oil from suppliers, and the date when invoices for gas and oil deliveries are paid. The gas and oil expense lags were 14.40 and 12.61 days, respectively.
 - Q. Please explain the lag for nuclear.
- A. The nuclear expense lag was calculated using Staff's Data Request Nos. 306R and 228R. This nuclear expense lag is composed of three separate components; Uranium, conversion services and fabrication services. Staff used the dollar amounts

from the Callaway Plant's eleventh refuel (April 7-May 21, 2001). This lag represents all

the nuclear costs dollar-weighted together for a 34.55-day nuclear expense lag.

Q. Please explain the uncollectible expense treatment on Accounting Schedule 8.

- A. The uncollectible accounts are an expense in name only. They are actually a lack of revenue collection and, therefore, do not represent a cash flow for payment of an expense. An expense and revenue lag of zero has been assigned to this item so that a zero CWC effect is produced.
 - Q. Please explain the cash voucher lag on Accounting Schedule 8.
- A. AmerenUE created a report of Federal Energy Regulatory Commission Uniform System of Accounts (FERC) 500 and 900 account numbers, which contained invoices greater than \$100,000. This report did not provide a large enough sample in which to calculate a lag, so the threshold was lowered to invoices greater than \$50,000. The cash vouchers expense lag was calculated using the number of days from the invoice date (or the service period if such information was provided on the invoice) to the date the invoice was paid. The cash voucher lag was calculated to be 27 days.
- Q. Please explain the employer's portion of FICA tax expense lag on line 15 of Accounting Schedule 8.
- A. The employer's portion of FICA taxes is the amount of taxes paid by the Company on employee payroll. The expense lag is calculated using the same method as the lag used for the employee's portion of FICA taxes. This calculation has been discussed earlier in my direct testimony. The actual lag is 12.97 days, as used by Staff in the last gas rate case, No. GR-2000-512.

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Q. Please explain the federal unemployment tax expense lag on lines 16 on Accounting Schedule 8.

The lags represent the length of time between the average day services are Α. rendered by the employee and the day AmerenUE pays the tax for that service. The Staff and Company used the federal employment expense lag of 87.40 days used in the last gas rate case. AmerenUE was not required to pay unemployment taxes to the state of Missouri during the test year; therefore, no expense lag was calculated for state unemployment tax.

- Please explain the corporation franchise tax expense lag on line 17 of Q. Accounting Schedule 8.
- A. Corporation franchise taxes are paid annually. The lag between the midpoint of the taxable period and the date the tax is paid is calculated and multiplied by the associated amounts to compute a weighted amount. The Staff used the corporate franchise tax expense lag of 77.50 days as was used in the last gas rate case.
- Q. Will you please explain the expense lag for property taxes as shown on line 18 of Accounting Schedule 8?
- The property tax lag days were calculated using the midpoint of the A. service period and the payment due date for property taxes paid by AmerenUE during calendar year 2000. AmerenUE pays property taxes to Missouri, Illinois and Iowa. These lags were weighted by the amount of taxes paid in each state, to arrive at the average lag days. The property tax expense lag is 186.52 days.
- Q. Please explain the payroll expense tax (PET) expense lag on line 19 of Accounting Schedule 8.

- A. The PET tax expense lag was calculated using the midpoint of the service periods and the payment due dates for PET taxes paid by AmerenUE during the year. The Company pays the PET tax quarterly, which is due at the end of the month following the end of the quarter. Since the PET taxes are paid quarterly, there were four midpoint periods and due dates. The average PET tax expense lag is 76.375 days.
- Q. Please explain the sales tax expense lag on line 20 of Accounting Schedule 8.
- A. The lags between the midpoint of the taxable month and the due dates were calculated and weighted by the associated amounts to compute an average lag. As was used in the last gas case by the Staff, the sales tax expense lag is 6.8 days.
- Q. Will you please explain the expense lag for gross receipt taxes as shown on line 21 of Accounting Schedule 8?
- A. Gross receipts taxes are paid monthly, quarterly or semi-annually based upon the individual requirements of the taxing entities. The expense lag for this item is the time span between the day bills are prepared and the day the taxes collected are paid to the appropriate taxing authority. The gross receipts expense lag of 49.36 days was based on the dollar-weighted amounts of gross receipts taxes paid to the different taxing entities.
- Q. Why does the revenue lag for sales and use taxes and gross receipts taxes differ from the revenue lag you discussed above?
- A. AmerenUE acts solely as an agent of the taxing authority in collecting sales and use taxes and gross receipt taxes from the ratepayer and in paying the proper institution on a timely basis. AmerenUE has not provided any service to the ratepayer

associated with the gross receipts and sales and use taxes until after the revenues are

billed. Since the tax is due on billed revenue, the associated revenue lag begins at the

start of the collection lag.

4

3

Q. Are there components of CWC that do not directly appear in the Staff's

5 Accounting Schedule 8?

6

8

9

A. Yes, the federal income tax offset, state income tax offset, interest expense

7 offset and city earnings tax offset do not appear in the Staff's Accounting Schedule 8.

These items appear as separate line items in the Staff's Rate Base, Accounting

Schedule 2.

Α.

10

Q. Why are the federal income tax offset, state income tax offset, interest

11

expense and city earnings tax offset included in the Staff's Rate Base, Accounting

12

Schedule 2 rather than in the Staff's CWC calculation, Accounting Schedule 8?

13

The normalized Missouri jurisdictional expense component used for these

14

offsets is tied directly to the computation of the revenue requirement. The Staff's

15

revenue requirement computer program has the capability to extracting these amounts

16

from Accounting Schedule 11, Income Tax. The computer program applies the CWC

17

factor to each component, and places the CWC requirement directly in Accounting

18

Schedule 2, Rate Base.

19

Q. Please explain the federal and state income tax offsets.

20

A. The federal and state income tax expense offsets represent the period of

21

time between the midpoint of the tax/calendar year and the dates the income taxes must

22

be paid to the federal and state taxing authority. Currently, 100% of the estimated federal

23

tax must be paid during the year in four installments, which are due by the 15th day of

April, June, September and December. Each lag was calculated from the payment date to the midpoint of the tax year. The federal and state income tax lags were weighted by the total tax payments made during the test year to obtain federal and state income tax expense lags of 37 and 62.15 days, respectively. The CWC factors, 0.5123% and a negative 6.3781%, respectively, result from subtracting the expense lags from the revenue lag and then dividing by 365 days. The CWC factors are found on Accounting Schedule 2, Rate Base. The Staff's computer program calculates the CWC requirements for federal and state income taxes.

- Q. Please explain the interest expense offset.
- A. The expense lag for interest was computed by determining the midpoint of the interest periods of AmerenUE's long-term debt, weighted by the total interest payments made during the 12 months. The negative CWC factor of 13.7397% was calculated in the same manner as previously described for income taxes and is found in the Staff's Rate Base Accounting Schedule 2. The Staff's computer program calculates the CWC requirements for interest. The expense lag computed for interest expense was 89.02 days, which was used in the last gas rate.
 - Q. Please explain the St. Louis city earnings expense offset.
- A. The expense lag for St. Louis city earnings offset was computed by determining the midpoint of the service period, which in this instance is the midpoint of the calendar year. The payment date is April 15th of the following year. The negative CWC factor of 68.12% was used to calculate city taxes in the same manner as previously described for income taxes and is found in the Staff's Rate Base Accounting Schedule 2.

The Staff's computer program calculates the CWC requirements for St. Louis city

earnings tax. The expense lag computed for city earnings tax was 287.5 days.

3

Q. Please explain and describe the inclusion of taxes and interest in the

Unlike the other cash expense line items in Accounting Schedule 8, taxes

4

Staff's analysis of CWC. A,

5

6

and interest are not considered to be operating and maintenance expenses. However, they

7

are known and certain obligations of AmerenUE with payment periods and payment

8

dates established by statute, or by the terms of the bond. Amounts collected for taxes and

9

interest represent a source of cash to AmerenUE until passed on to the appropriate taxing

10

authority or bondholder and, therefore, should be included in a lead/lag analysis.

11

Q. What was the result of the Staff's lead/lag calculation?

12

Α. The individual calculations, when totaled, result in a total net ratepayer

13

supplied funds and illustrate the excess of CWC supplied by the ratepayer over the

14

amount supplied by the shareholder. The CWC component is deducted from rate base to

15

compensate the ratepayer for the use of their funds. This is shown on Accounting

16

17

Schedule 8.

Q. Does this conclude your direct testimony?

18

A. Yes, it does.

BEFORE THE PUBLIC SERVICE COMMISSION

OF THE STATE OF MISSOURI

The Staff of the Missouri Public Service Commission,
Case No. EC-2002-1 Complainant,
vs.) Union Electric Company, d/b/a AmerenUE,) Respondent.
AFFIDAVIT OF LEASHA S. TEEL
STATE OF MISSOURI)
Leasha S. Teel, is, of lawful age, and on her oath states: that she has participated in the preparation of the foregoing Direct Testimony in question and answer form, consisting of 27 pages 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; and that such matters are true and correct to the best of her knowledge and belief. Leasha S. Teel
Subscribed and sworn to before me this 28th day of February, 2002. Dhysellankin Notary Public
D SUZIE MANKIN

SCHEDULE 2

HAS BEEN DEEMED

PROPRIETARY

IN ITS ENTIRETY

SCHEDULE 3

HAS BEEN DEEMED

PROPRIETARY

IN ITS ENTIRETY

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<u> 2001</u>

After 99 years, one thing never gets old.

It's our commitment to being a company you can count on to help you and your community. That's been our mission since the first day of business 99 years ago. See the back for a few more of our convenient services.

Payment Options give you a variety of choices. Budget Billing distributes your monthly payments evenly. And, Direct Pay automatically makes your monthly payment from your bank account.

You can even view and pay your bill via the Internet. For more information, or to enroll, go to www.ameren.com.

To order a payment options brochure, call 314-342-1111 (Metro St. Louis) or 1-800-552-7583 (outside metro area).

Dollar More helps over 82,000 local low-income families pay their energy bills. The collected funds are distributed through United Way. To give, check the "Dollar More" box on your bill, or send tax-deductible contributions to P.O. Box 14507, St. Louis, MO 63178-0507.

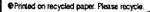
Customer Service Center for billing and general inquiries is available from:

Monday through Friday: 6 a.m. to 10 p.m. Saturday: 7 a.m. to 5 p.m.

As always, we're here 24 hours, 7 days a week for emergency and outage calls.

Address Labels Enclosed. Use your set of our always-popular labels to make mailing your AmerenUE payment easier than ever.

Questions? For more information on AmerenUE services, call 1-800-552-7583 or visit www.ameren.com.



R O O G E R S



Ameren Smart Lights/UE Version "Slide" . 5/4/98

ANNCR: Why does AmerenUE provide funds to help communities

light up public areas at night?

Because sometimes there's just not enough hours in the day.

(SUPERS)

The Smart Lights program. Helping communities improve public lighting. AmerenUE. We're Always There.



TOWNSEN

TV

AMERENUE Do The Right Thing "Lightbulb/Thermostat" 1/18/00 As Produced :15

BOY: Sponsored by Ameren UE.

GIRL: Who reminds you to do the right thing by conserving energy.

Use energy efficient lightbulbs.

BOY: Set your heating thermostat at the lowest comfortable setting.

BOTH: Do the right thing. Conserve energy.



TV

AMERENUE
Do The Right Thing
"Lightswitch/Stove"
1/18/00 As Produced
:15

BOY: Sponsored by Ameren UE.

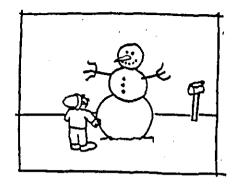
GIRL: Who reminds you to do the right thing by conserving energy.

Turn off the lights when you leave the room.

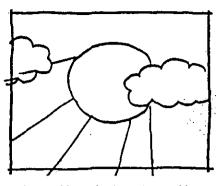
BOY: Buy appliances with high energy efficiency ratings.

BOTH: Do the right thing. Conserve energy.

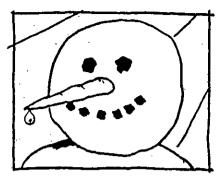
Ameren (The Saint Louis Electric Company) Holiday TV:30



open on kid (six to nine years old?) putting the finishing touches on snow-man



as he positions the last charcoal button a drop of water hits his hand —he looks up and we cut to see the sun breaking through the clouds



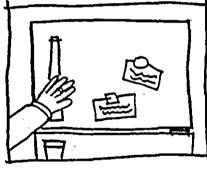
cut to snowman headshot, a droplet of water catches the sunlight at the end of his already slumping carrot nose



cut back to kid, his face shows concern then he a hatches a plan and trots off toward the house—as the sound of his footsteps through the snow fade,



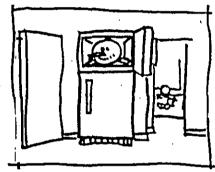
we cut to later that evening—it's the same kid eating cheese puffs on the couch watching TV



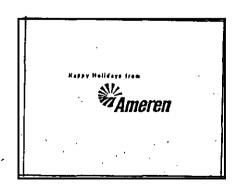
we cut to the kitchen where we see his mom reaching for the freezer door handle



as she begins to pull we cut back to kid on couch just as we hear a startled shriek from the kitchen—the kid momentarily pauses, then resumes munching his puffy, cheesy snacks



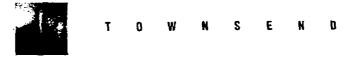
a cut back to the kitchen reveals an open freezer compartment with the snowman's head wedged in amongst the frozen peas and ice cream sandwiches.



- cut to end card.

Нарру

lays from Ameren.



TELEVISION

AMEREN
4th Quarter TV
"Bump In The Night/UE"
:30

TIGHT ON SERIES OF NIGHTLIGHTS.

VO: At AmerenUE, we have programs in place to help the environment... improve neighborhood safety...attract new businesses and jobs... even help students pay for college.

But of course, all that's nothing compared to our ability to chase away things that go bump in the night.

CUT TO LOGO AND TAG.

VO: AmerenUE. We're always there.

TELEVISION

Ameren Environmental TV "Yours and Ours" :30 4/15/99

OPEN ON KIDS OUTDOORS. DISSOLVE THROUGH VARIOUS SCENES OF KIDS RUNNING, JUMPING, PLAYING AND ENJOYING NATURE.

VO:

Your kids climb the same trees as ours.

Yours play in the same streams as ours.

Yours breathe the same air as ours.

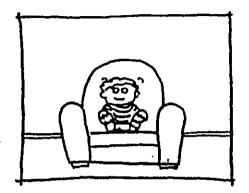
So, when we tell you Ameren is doing everything we're asked—and more—to protect the environment, you don't have to look far to see the reasons why...

...yours and ours.

SUPER:

AmerenUE (AmerenCIPS)

AmerenUE - Do the Right Thing Ice Cream Truck :15



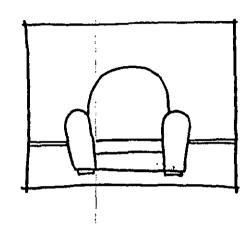
Open to a kid sitting in an overstuffed chair. He's pretty entranced by TV as it's just another lazy summer afternoon. In the distance we hear the unmistakable music of the Ice cream truck. Our kid reacts subtly at first, making sure he's hearing what he's hearing. Then, in a mad scramble, he bounds out of the chair and trots out of frame.

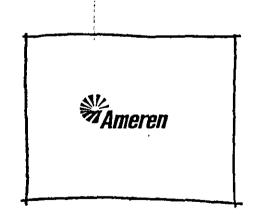


aims it at the TV and turns it off.

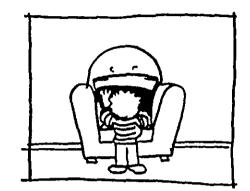
Then off he goes again in pursuit of the ice cream truck.

VO: Ameren reminds you that conserving energy is a great way to do the right thing.





SUPER: Ameren logo



As his excited footsteps trail away, we hear the front door opening. And then, curiously, we hear the kid running back. He wrestles the seat cushion up (maybe cut to a under the cushion shot of coins, lint, a long lost corn chip, then the remote control for the TV), he grabs the remote,

SCRIPT

"DELIVERY"

SFX: SOUNDS ASSOCIATED WITH A LABOR AND DELIVERY ROOM

AT A HOSPITAL.

Beep...beep...beep...

DAD: Remember the short breaths? Just short breaths.

Beep...beep...beep...

NURSE: She's doing fine.

Beep...beep...beep...

DAD: What about a focal point? Do you have your focal point?

Beep...beep...beep...

DOCTOR: Okay...Let's do this. You about ready?

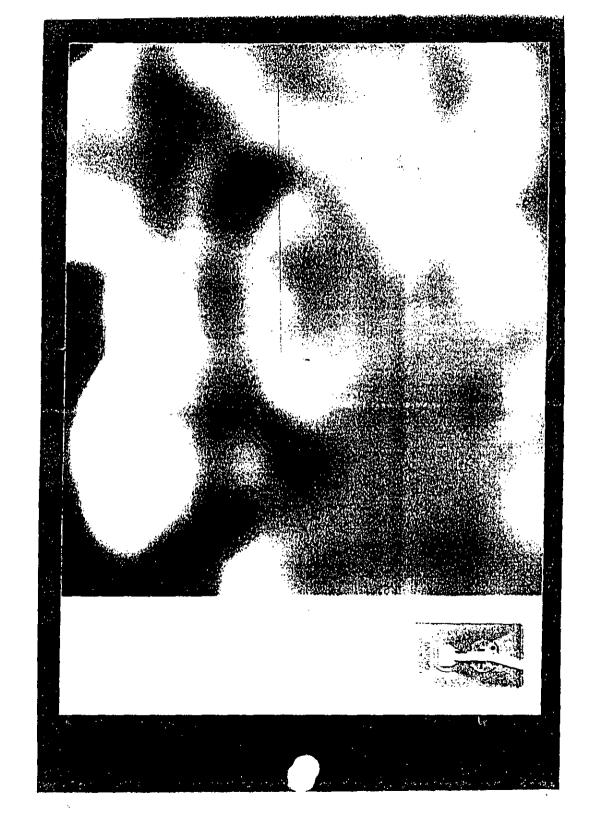
DAD: She's looking for her focal point.

NURSE: She's ready.

DOCTOR: Okay...

VO: Life. Powered by Ameren.

AMEREN LOGO UP



SCRIPT

"GARAGE BAND"

SFX:

SOUNDS ASSOCIATED WITH TEENS PLAYING ELECTRIC

INSTRUMENTS IN THEIR GARAGE

(DRUM SOLO IN PROGRESS)

(SCREECHING GUITAR ENTERS)

(VOCALS ENTER)

(SCREECHING GUITAR CONTINUES)

(WITH A CRASH, SONG ENDS)

GUY 1:

Cool. Let's do it again.

GUY 2:

Yeah.

(SCREECHING GUITAR)

<u>VO:</u>

Life. Powered by Ameren.

AMEREN LOGO UP



SCRIPT

"ALARM CLOCK"

SFX:

SOUNDS ASSOCIATED WITH SOMEONE IN BED, BESIDE HIS BEDROOM WINDOW, AT DAWN.

ZZZzzzzz...

ZZZzzzzz...

ZZZzzzzz...

DOG BARK IN DISTANCE

ZZZzzzzz...

ZZZzzzz...

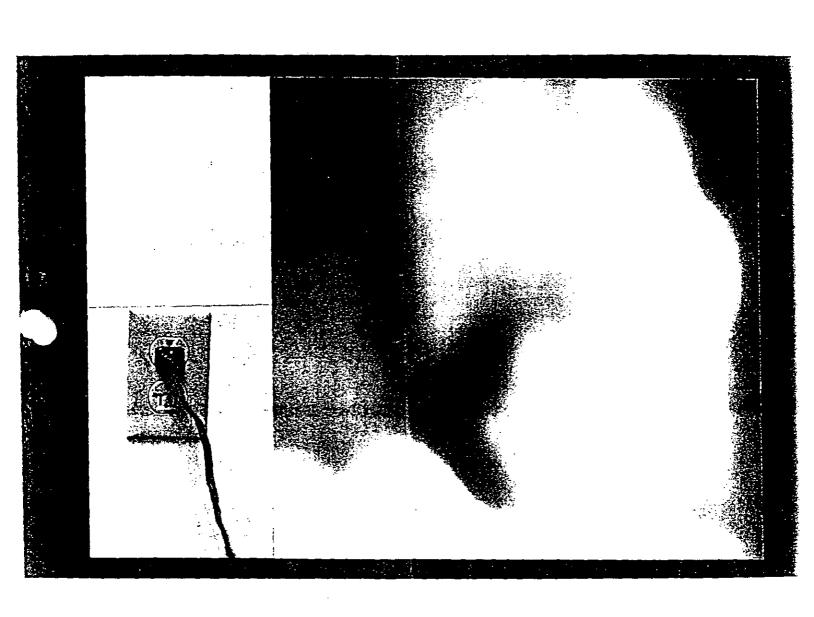
CLOCK RADIO: CLICK! "...but first let's go to Skycopter 7. Franko? How's it

look out there?

MAN SITS UP: Ugghhh...

VO: Life. Powered by Ameren.

AMEREN LOGO UP





TOWNSEND

AMERENUE
"SmartLights Outfield/Concert"
:60
7/16/99
As produced

SFX:

NIGHTTIME AMBIENCE; ALUMINUM BAT HITS BALL

GUY:

I got it . . . I got it. I got it. I . . .

SFX:

BALL HITS HIM ON THE HEAD; HE HITS THE GROUND;

CROWD GOES "Oooooh."

GUY:

. . . got it.

ANNCR:

If there's a park, ballfield, playground or other public space in your community that could use better lighting, have your neighborhood group or not-for-profit organization call AmerenUE to apply for a SmartLights grant. Call 1-800-552-7583. AmerenUE. (MUSIC)

We're always there.

[PAUSE]

SFX:

NIGHTTIME AMBIENCE; CLASSICAL MUSIC

MAN:

(Sigh) These Concerts in the Park are so romantic. Being here with you. Under the stars. Barely enough moonlight to see. And yet, I feel your presence next to me. Breathing the same air. Our inner

spirits perfectly aligned. Oh, Sally . . .

MAN2:

Sally? Who's Sally? Let go of my hand! Security!

ANNCR:

If there's a park, ballfield, playground or other public space in your community that could use better lighting, have your neighborhood group or not-for-profit organization call AmerenUE to apply for a SmartLights grant. Call 1-800-552-7583. AmerenUE. (MUSIC)

We're always there.

AMERENUE

"SmartLights Night Vision/Pepper"

:60

7/16/99

As produced

SFX:

DOORBELL

WOMAN:

Oh, it's the good-looking guy I met at the park last night!

SFX:

OPENS DOOR

WOMAN: .

GASPS; GROANS

SFX:

SLAMS DOOR

ANNCR:

If there's a park, ballfield, playground or other public space in your community that could use better lighting, have your neighborhood group or not-for-profit organization call AmerenUE to apply for a SmartLights grant. Call 1-800-552-7583. AmerenUE. (MUSIC)

We're always there.

[PAUSE]

SFX:

DOOR OPENS; CLOSES; DOG PANTING, COLLAR JINGLING

WOMAN:

Good boy, Pepper. You like walking in the park at night, don't you?

Yes, you do. Oh, you're such a good boy. Hold on, let me turn on

the light.

SFX:

PULLS CORD ON LAMP

WOMAN:

Hey. You're not Pepper. (SFX: Grrrrr.)

ANNCR:

If there's a park, ballfield, playground or other public space in your community that could use better lighting, have your neighborhood group or not-for-profit organization call AmerenUE to apply for a SmartLights grant. Call 1-800-552-7583. AmerenUE. (MUSIC)

We're always there.

THE BLANKE BUILDING, 1310 PAPIN ST., ST. LOUIS, MO 63103 PHONE 314-436-9960 FAX 314-436-9961



TOWNSEN

RADIO

Ameren
Direct Pay/Tree of Lights
"Jane and Fred":60
REVISED 11/1/99

(HOLIDAY MUSIC UP AND UNDER)

ANNCR 1: Thanks to the time she saved using Direct Pay to pay her AmerenUE bill, at a holiday party last year, Jane was able to linger just long enough under the mistletoe for Fred to notice. (SFX: LIP SMACK)

Well, as you can imagine, that innocent peck on the cheek ignited love's eternal flame. Jane and Fred started dating, talk of marriage soon followed, a date was set, Jane picked out a dress, Fred bought the rings, the ceremony was beautiful, the honeymoon was great, they bought a house, moved in, and are now expecting twins any day now...all thanks to Direct Pay from AmerenUE.

Of course, we're not saying that the time you save having your AmerenUE bill paid directly from your checking or savings account thanks to Direct Pay will change you life the way it did Jane and Fred's...but you never know. (SFX: LIP SMACK)

ANNCR 2: Sign up for Direct Pay before January 31st, 2000, and AmerenUE will donate \$10 to the Salvation Army Tree of Lights. To sign up—and help the Salvation Army—call 1-800-555-5555.

AmerenUE. We're always there.

Ameren Radio "Powered By Ameren/Mildred"

SFX:

(VARIOUS SOUNDS FROM AN OLD TV SHOW, CUT TOGETHER,

BACK TO BACK. WE HEAR THE HOST OF THE SHOW, AND OLD

MUSIC THAT IS ALWAYS SWEET, GENTLE AND POLITE.)

VO:

(SONG ENDS)

VOICE:

Thank you, thank you, bootiful, bootiful. Now your favorite, Hans and his

alpine horn!

SFX:

(APPLAUSE)

SFX:

(MUSIC CHANGES TO A TANGO)

SFX:

(MUSIC CHANGES TO SALSA)

SFX:

(MUSIC CHANGES TO A CHA-CHA-CHA)

VOICE:

"Let's welcome Doug Davis, singing, You're Not Just My Pal,

You're My Gal."

SFX:

(APPLAUSE)

VO:

Mildred looks forward to one thing every day.

VOICE:

"It's the Lawrence Lanier Hour, with the Lady Lanier Singers and their

guests!" (THEME MUSIC BEGINS)

<u>VO:</u>

Reruns of the Lawrence Lanier Hour, filmed live from the Crystal

Ballroom in Flynt, Michigan.

SFX:

SINGERS: Oh melancholy moon, did you see us kissing...

Under the bamboo tree...

<u>VO:</u>

Mildred's weeknights. Powered by television.

Television. Powered by AmerenUE/CIPS.

VOICE:

You folks at home! Let's all sing along!



Ameren Radio "Powered By Ameren/Fran's/Revised"

SFX: SOUNDS OF A BUSY DINER ON SATURDAY MORNING.

SIZZLING SKILLETS...TOASTERS POPPING UP...

JUKEBOX PLAYING...

AND ONE WAITRESS YELLING ORDERS BACK TO THE COOKS.

FRAN: You're finished, Pete. Goodbye.

ROB: Morning, Fran.

FRAN: Hurry up.

ROB: Pancakes, bacon...

FRAN:Got sausage.

ROB: Wheat toast...

FRAN: Got white.

ROB: And a glass of grapefruit juice.

FRAN: (YELLING) A number 4 with Orange!

VO: Rob starts ever Saturday with breakfast at Fran's.

GUY2: Can I get some more coffee?

FRAN:Forget it.

VO: For his weekly dose of her famous pancakes.

FRAN: Number 4!

VO: And her award-winning personality.

ROB: Fran...I'm still hungry.

FRAN: You don't say.

ROB: Could you bring me some hash browns?

FRAN: No. Got fries.

ROB: Could you bring me some cereal?

FRAN: No. Got grits.

ROB: Anything you'd recommend?

FRAN: Sure.

ROB: What's that?

RAN: The bill.

ROB: I'll take it.

VO: Saturday mornings. Powered by Fran's.

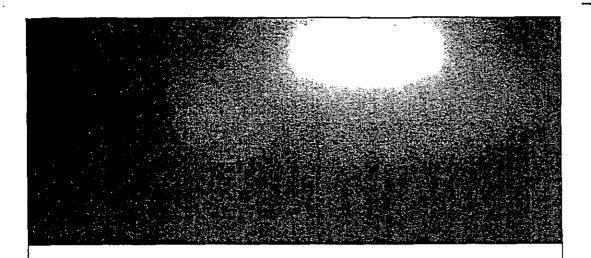
FRAN: You've got a napkin for a reason.

VO: Fran's. Powered by AmerenUE/CIPS.

ROB: Thanks Fran.

FRAN: Sure. Here's a mint. There's the door.

ROB: Oky-doke.



Your community's nightlight.

AMERENUE SMARTLIGHTS PROGRAM.

We're not promising to play watchdog in the public areas you enjoy the most, but we can help to add a sense of security to them. For over 100 years, we have developed programs to improve communities like yours. Our commitment to positive community change continues with the AmerenUE SmartLights program. This program provides funding to qualified not-for-profit and community organizations for energy-efficient lighting equipment to enhance public parks, community areas, recreational fields, etc. To be eligible for funds, groups within the AmerenUE service area must submit a completed SmartLights application and proposal plan for energy-efficient lighting by September 30, 2000. For more information or a SmartLights application, visit us on the web at ameren.com or call 314-554-6441 or toll-free 1-877-4AMEREN, ext. 46441. Together we can make your community a better and brighter place to live.





THIS COULD SAVE YOUR LIFE.



THIS COULD SAVE OUR LAKE.

ADOPT THE SHORELINE AND GIVE SOMETHING BACK TO THE LAKE THAT GIVES YOU SO MUCH.

Join hundreds of volunteers in their effort to keep the Lake of the Ozarks shoreline safe and clean. Approximately 500 miles of lakefront are now being maintained. However, 600 miles still remain up for adoption under Ameren's Adopt-The-Shoreline program at the Lake of the Ozarks. We'll supply trash bags and up to \$200 in disposal costs for every 5 miles of shoreline. Let's do something good for the lake that's so good to us. Call AmerenUE's Shoreline Protection Hotline at 573-365-9310 or visit our website at www.ameren.com.



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AMEREN UE "SAVE YOUR LIFE" - VARIOUS PAPERS

333A-1

R O D G E R S T O W N S E N I

PREPARED 5/8/2001 SIZE: 51/7 x 10"

WE'RE HAPPY TO HELP BRIGHTEN THE FUTURE FOR ONE HUNDRED STUDENTS.

 $T_{
m his}$ year, Ameren will fund 100 college scholarships, each worth \$2,500. The scholarships are need-based and are available to qualified students from among our AmerenUE and AmerenCIPS customers. To be eligible, applicants must be enrolling full-time and seeking an associate or baccalaureate degree at an accredited Missouri or Illinois college.

For an application, send a self-addressed stamped envelope to The Scholarship Foundation, 8215 Clayton Road, St. Louis, Missouri 63117. Application deadline is April 16, 2001. Recipients will be notified by the first week of June. For more information, call The Scholarship Foundation at 314-725-7990, or e-mail them at schirshpfd@stlnet.com. Employees and dependents of Ameren and The Scholarship Foundation are not eligible.







AMEREN UE - SCHOLARSHIP AD 2001"WE'RE HAPPY"

AC01073AU1

RODGERS TOWNSEND

PREPARED 1/29/2001 SIZE: 5% x 10" B&W

Ameren UE funds

100 COLLEGE SCHOLARSHIPS.

In this case,

POWER IS KNOWLEDGE.

As part of a four-year, \$1 million commitment to education, Ameren recently provided one hundred \$2,500 scholarships awarded through The Scholarship Foundation of St. Louis. Recipients, some of whom are listed below, live in the Ameren service area and will attend accredited Missouri or Illinois colleges. Many are recent high school graduates; others are adults returning to school. But to each worthy recipient, whether you're 18, 50-plus, or some age in between, we say congratulations. Go for it. And more power to you.

Tony Amstutz Stephen Anderson Trenton Bromley Olta Cuci John Cunningham Desi Dennis Erin Fenton John Fester Felicia Flinn Stacey Foster Roshonda Franklin Laurie Goldring Shawn Hilleary Chanita Holman Serifa Hozdic Edina Jasarevic Aaron Karstetter Nathan Kitzman Yelena Lapteva

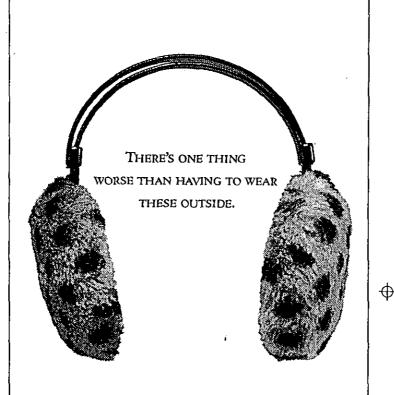
Candice Love Jared Marshall Abbey McAdow Jeffrey Merkel Pamela Moore Amanda Sue Presley Jimmy Reece Casey Reid Brandi Rhodes Candace Robison Matthew Sanders Brianne Shew Kelly Sullivan Kathy Tucker Sonja Underwood Bruce Walker, Jr. Nina Wilkes Joseph Winner Hope Wolverton



AMEREN UE "2000 SCHOLARSHIP WINNERS"

AC00311AU-1

R O D G E R S Y O W N S E N D



HAVING TO WEAR THEM INSIDE.

With natural gas prices on the rise, and temperatures beginning to fall, the less fortunate in this area have never needed our help more. So please check the Dollar More box on your next AmerenUE bill. Your contributions, combined with ours, will be used to pay the energy bills of needy families this winter. In other words, your warmth will help provide others with heat.

07000 America Corp.

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AMEREN UE "EARMUFFS"

AC00427A1

ODGERS TOWNSENI

PREPARED 10/25/2000 SIZE: 5% x 10° 8/W

SHUT THE DOOR!

AND OTHER ENERGY-SAVING TIPS

Your parents were right. Keeping doors and windows tightly shut is an important and easy way to keep heat in its place. And energy bills in check. Here are some other simple things you can do: Lower your thermostat a few degrees. Every degree results in a savings of about three percent. To boost the energy efficiency of windows, open drapes and shades during the day, and close them at night. To help keep your furnace running smoothly, change the filter every month. And be sure to weather-strip and caulk doors and windows. A well-caulked, weather-stripped home can result in savings of up to 30 percent. By taking these simple steps, you'll save energy. You'll save money. And your parents will be very proud. For more information on making your home energy efficient, visit us on the web at www.ameren.com.



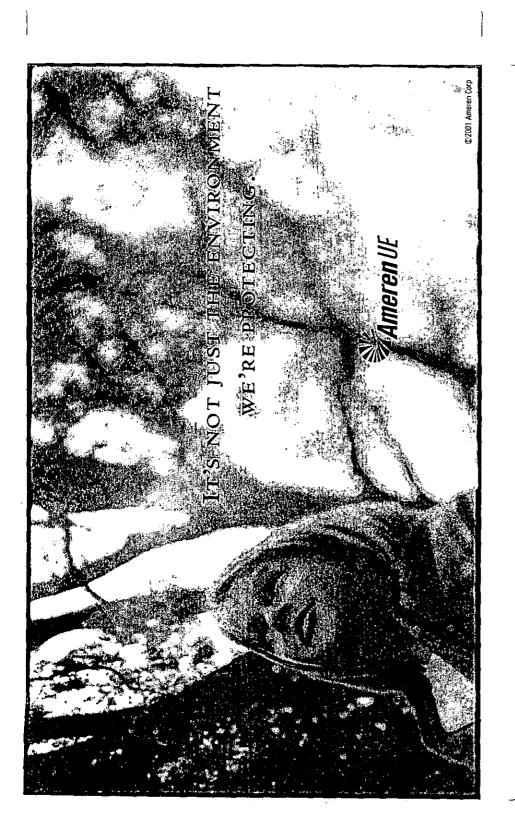


AMEREN UE - WINTER ENERGY TIPS 2000 "SHUT THE DOOR"

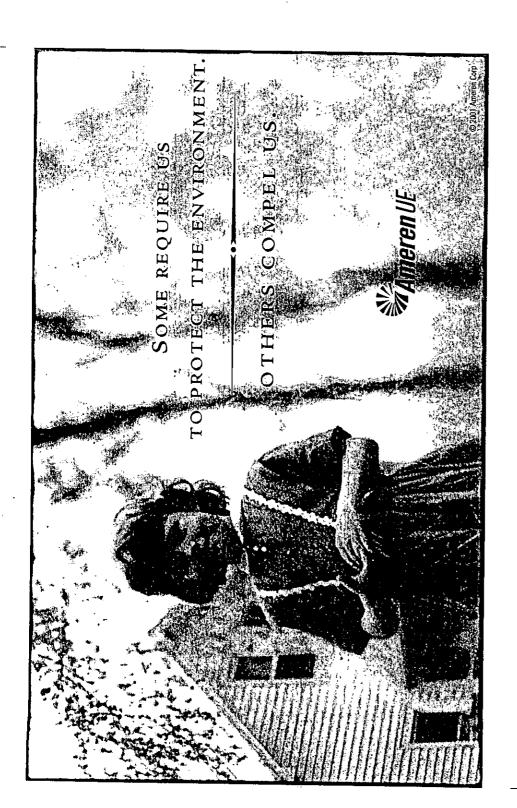
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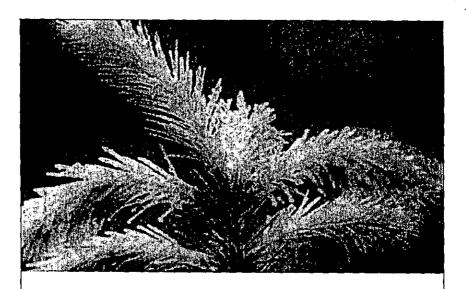


AMEREN UE "PROTECTING" - VARIOUS NEWSPAPERS



AMEREN UE "OTHERS COMPEL US" – VARIOUS NEWSPAPERS

O D G E R S T O W N S E N D



Our newest POWER PLANTS are just around the corner.

AMERENUE GREENLEAF GRANTS.

It may be January, but we're already thinking spring. Because once again we're giving non-profit groups the power to plant trees and shrubs. This year, we're giving away a total of \$60,000 in GreenLeaf Grants. To be eligible, your organization must hold a tax-exempt status, be a current AmerenUE customer in qualifying Missouri and Illinois counties and plant the trees and landscaping on public property within the AmerenUE service area. This year's deadline is March 3, with grant winners announced in plenty of time for the spring and summer planting season. So call us toll-free at 1-877-4AMEREN ext. 46441. Or, for an online application, visit our website at www.ameren.com.

©2001 Ameren Corp



AMERENUE "POWER PLANTS"

AC01042AU1

ROOGERS TOWNSEND

PREPARED 1/11/2001 SIZE: 5% x 10°

ALL THE HARD HATS AND STEEL-TOED BOOTS IN THE WORLD CAN'T DO AS MUCH AS A SINGLE PHONE CALL.

Wherever you work, whatever the job, please be aware of high voltage. Whather it's an earth mover or just a ladder, an auger or just a shovel, contact with power lines is always dangerous and often fatel. Regardless of how big or how small the job at hand, call 1-800-QIG RITE for high voltage information. At Ameren, we understand that you've always got a job to do. And we're always there to help you get it done safely.



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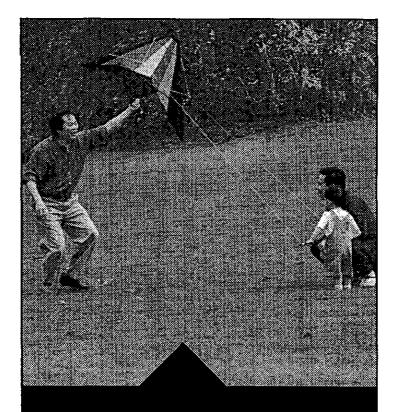
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AMERENUE "HARD HATS" - LABOR TRIBUNE

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RODGERS 🚾 TOWNSERB

PREPARED 4/18/2000 \$025; 6%-110" 8/W



WARNING!

Overhead power lines can be dangerous. Even fatal. So be sure to avoid them when you're handling kites, model airplanes, pool skimmers and other outdoor toys and equipment. Because it's more fun when you play it safe.



We're always there.

Presented in the interest of public safety.

www.ameren.com

©2000 Ameren Corp

AMEREN UE "WARNING!"

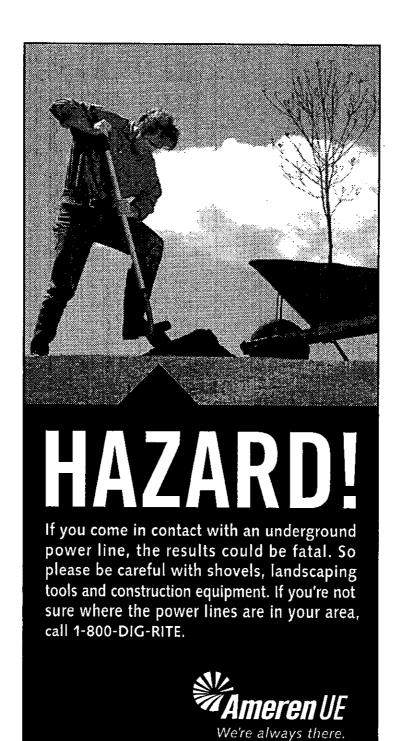
AC00007BU1

RODGERS



TOWNSEND

PREPARED 1/13/2000 SIZE: 3%"x8"



AMEREN UE "HAZARD!"

www.ameren.com

Presented in the interest of public safety.

AC00007AU1

R O D G E R S T O W N S E N

PREPARED 1/13/2000

SIZE: 3%"x8"



CAUTION!

If you or something you're carrying comes in contact with an overhead power line, the results could be fatal. So please be careful with ladders, pool skimmers, tree pruners and other outdoor equipment. Thank you for working safely.



We're always there.

Presented in the interest of public safety.

www.ameren.com

@2000 Ameren Corp.

AMEREN UE "CAUTION!"

AC00007CU1

RODGERS



TOWNSEND

PREPARED 1/13/2000 SIZE: 3%"x8"

WHAT'S THAT SMELL?

If it smells like rotten eggs it could be a natural gas leak. So, whatever you do, don't light a flame or use electrical equipment. Open the windows and leave the area. Then call AmerenUE at 1-800-552-7583. To prevent carbon monoxide buildups, check chimneys and gas appliance vents at least once a year. And before doing any digging, call JULIE (Joint Utility Location Information) at 1-800-892-0123.





AMEREN "GAS SAFETY" - JULIE - VARIOUS PUBLICATIONS

AC01074B1

RODGERS



TOWNSEND

PREPARED 2/5/01 SIZE: 51/210" B&W

c85r10s

c85r10s blk.jtt

20792 AC01074Bl Julie-Pl



If it smells like roman aggs it could be a natural gas leak. So, whatever you do, don't light a flame or use electrical equipment. Open the windows and leave the area. Then call AmerenUE at 1-800-552-7583 or in Jefferson City at (573) 635-0171. To prevent carbon monoxide buildups, check chimneys and gas appliance years at least once a year. And before doing any digging, call 1-800-DIG-RITE.



S2001 America Cons.

TORRAPHTE VUT INTO





AMEREN "GAS SAFETY" - DIG RITE - VARIOUS PUBLICATIONS

AC01074A1

NODGERS TOWKSEND

PREPARED 2/5/01 SIZE: 57"x10" 84W

KEEP SHINING. AMEREN IS PROUD TO SUPPORT THE REPERTORY THEATRE OF ST. LOUIS. **MAmeren** UE © 2001 Ameren Corp.

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AMEREN "KEEP SHINING" CURTAIN- THE REPERTORY THEATRE OF ST. LOUIS

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RODGERS TOWNSEND

PREPARED 6/11/2001 \$IZE: 7"x10"

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AMEREN IS PROUD TO SUPPORT DANCE ST. LOUIS.



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AMEREN "KEEP SHINING" - DANCE ST. LOUIS

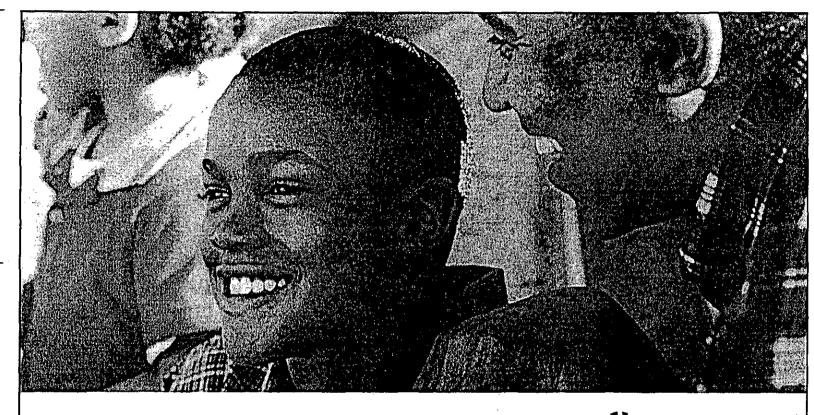
AC00318A1

R O D G E R S T O W N S E N D



PREPARED 8/29/2000

SIZE: 4½ x 7½



May the light burn bright in every community.



ameren.com



C2001 Ameren Corp



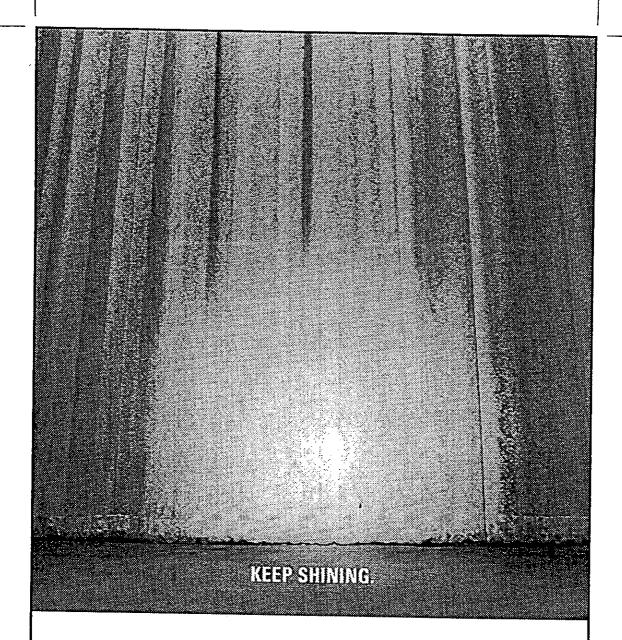
AMEREN UE "MAY THE LIGHT" - INROADS

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R O D G E R S T O W N S E N I

PREPAP' '1/2001

SIZE: 8% xo% B/W



AMEREN IS PROUD TO SUPPORT THE REPERTORY THEATRE OF ST. LOUIS.



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neren.com

AMEREN UE "KEEP SHINING" - ST. LOUIS REP

AC00237A1

RODGERS



TOWNSEN

PREPARED 8/11/2000 SIZE: 7"x 10" B/W

Schedule 4-60

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Morning Joe Powered

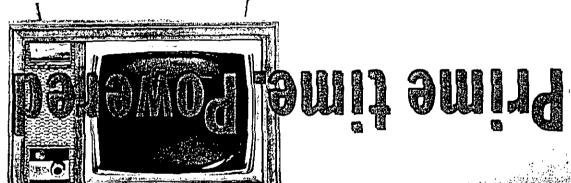
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Karaoke. Powered by Ameren.



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A Report to the Community

UndertheLights!

AmerenUE Grant Helps Eldon Light Up Soccer Park

Ever try playing soccer in the dark? Luckily, the 300 kids who belong to the Eldon-Lake Ozark Soccer Association won't have to — thanks to a \$7.500 AmerenUE SmartLights grant.

The soccer association's field in Eldon City Park had no lighting, limiting the available number of playing hours for the boys and girls, age 6-18.

"This project significantly enhances the park and will allow more youth to play more games," says Mark Oberreither, president of the soccer association. "The lighted field will enhance our ability to be a positive influence on our children."

Parents and other volunteers also contributed their time and talents, making the project a true community effort. The SmartLights Grant helped pay for the materials, with the city of Eldon and fundraisers by the soccer association supplying the remaining funds.

The Ameren SmartLights program annually provides grants to

selected community nonprofit organizations for energy-efficient lighting equipment to improve lighting in public areas. Funds can be used to upgrade existing installations, add energy-efficient lighting to areas that already possess some lights, or light areas that are currently not lit—like the soccer field at Eldon City Park.

In 2000, grants totaling \$250,000 went to 41 nonprofit community organizations in Ameren's service area for new or replacement energy-efficient lighting equipment. Winners were chosen from among more than 100 applications.

"AmerenUE's support helped make this project possible," says
Oberreither. "This lighting will be an asset to the children of Eldon for
years to come." •

AmerenUE Customer Service Advisor Lori Hoelscher presents a \$7.500 SmartLights check to Mark Oberreither and other members and supporters of the Eldon Lake Dzark Soccer Associ ation. The project was among 41 selected for funding in 2000 from among 109 applications. Besides AmerenUE's SmartLights grant, Wal-Mart contributed \$2,900 to the project and the City of Eldon contributed \$5,000. At the ceremony are, from left, front row: Chad Horton Legay Leibler Mad Oberreither, Lori Hoefscher, and Ed Young. Back row, from left: Bob Schnell (AmerenUE supervising engineer. Lakeside District). Courtney Oden. Erin Obscreither, and Emily Oberreither. Horton represented Wal-Mart at the event and Young represented the City of Fidon



Schedule 4-70

FOR AMERENUE, LIGHTING IS JUST THE BEGINNING

In addition to the SmartLights program, AmerenUE regularly funds nonprofit and community organizations in the Lake of the Ozarks area:

 Through its VIP/TEAMS Grant Program, the company provides small grants to nonprofit organizations where AmerenUE employees volunteer. Grant recipients are chosen by employee committees.

Recent examples include a VIP Grant to the School of the Osage's Project Graduation, sponsored by Ameren Lakeside District employee Tom Zander (now retired), and a TEAMS Grant to the Lake Regional Hospital Foundation's Escort-A-Thon, sponsored by Ameren Le Customer Service Representative Sandra Dostal, Callaway Plant Superintendent of Mechanical Work Control John Patterson, Ameren UE Credit Advisor Joan Eisenbeis and retired Labadie Plant employee Gregory Postal.

- In 2000, AmerenUE gave \$70,000 to Habitat for Humanity to help make all Habitat Homes both in the company's Missouri service area energy efficient. In the Lake of the Ozarks area, the grant included one home built in Camdenton and one in Versailles.
- In addition, through the company's Dollar More program, customers who are
 having difficulty paying their bills due to financial hardship get the help they
 need. Dollar More is funded by customers who make small voluntary contributions with their AmerenUE bills, along with AmerenUE corporate donations.

A network of human services agencies throughout AmerentiE's service area distributes the funds to those in need. In the Lake of the Ozarks area, the program is administered by The Lamb House in Camdenton, which also provides AmerentiE-supplied weatherization kits.

In 2000, Dollar More distributed nearly \$18,000 to needy families in the Lake of the Ozarks area.

Customers who wish to contribute to Dollar More may do so by calling AmercaUE and pledging to add one dollar or more (in even dollars) to their monthly utility bills.



FocusingOn

An Interview with Larry Merry, AmerenUE District Manager

As manager of AmerenUE's Lakeside and Capital districts, Larry Merry supervises the activities of 133 professionals who work to keep the power on and the natural gas flowing. His crews of linemen, engineers, estimators, and customer service supervisors and advisors troubleshoot problems on the system, restore power and respond to a range of customer concerns. Merry recently sat down for an interview on some of the customer service issues at the lake:

Q. What has AmerenUE done in the past year or two to improve customer service at the lake?

A. We have increased our tree-trimming — a major initiative given the density of foliage in the lake area. In 2001, we are adding a half million dollars to our lake area tree-trimming budget so we can continue to reduce the number of service disruptions caused by tree limbs on lines.

We have also begun to use a helicopter with a buzz saw to efficiently trim along our rights-of-way. This equipment can double our trimming efficiency but is not a viable option in tightly congested areas. A few years ago, we also began to use a helicopter to do infrared screening of lines and substations. The infrared screen helps us identify and correct potential trouble spots before customers experience difficulties. We recently initiated major lightning improvement projects and are also focusing on the causes of repetitive interruptions and routinely doing problem circuit upgrades.

Approximately 95 percent of all lake customers now have automated meters, which have vastly reduced estimated readings. Automated meters also help us restore service to customers more quickly when a service disruption occurs. Before we installed these meters, we had to wait for customers to call us and let us know the power was not on. This meter sends us a radio-transmitted signal alerting us about problems and allowing us to respond more quickly.

In recent years, we've also established a job scheduling procedure that expedites service requests that require construction to serve new facilities. With this more structured planning and scheduling system, we can guarantee a date when we will provide service to the new facility, assuming customers have made the necessary preparations and have given us reasonable notice (usually two months in advance of the date the customer needs the service).

Q. That's the good news. Are there areas where we've had problems?

A. Street lights are a problem at the lake. We installed new high-efficiency, high-pressure sodium lights (they cast a yellow, opposed to white, light). They consume less energy and provide more light.

Unfortunately these lights are also more sensitive to lightning, and that has generated a lot of work for us this year. We've dedicated additional manpower to keep up with street light repairs, and our engineers are researching the reasons for the failures.

Q. What community programs does AmerenUE offer to improve the quality of life for lake residents?

A. One program is Ameren SmartLights, which offers grants of up to \$10,000 to civic and nonprofit organizations for new or replacement energy-efficient lighting in public places. Two local organizations have received SmartLights grants in the past couple years, including the Eldon Lake Ozark Soccer Association, which received a \$7,500 grant in 2000, and the Golden Age Senior Center in Osage Beach, which received a \$3,025 grant in 1999.

In 2000, we contributed \$1,500 to the Lake of the Ozarks Habitat for Humanity for a house being built in Camdenton, and \$1,500 to the Morgan County Habitat for Humanity for a house being built in Versailles. These grants are intended to help make homes being built for low-income residents more energy efficient. Another \$2,250 went to other Lakeside District non-profit organizations for a variety of projects.

AmerenUE also donated \$10,000 to Lake Area Ministries, specifically for Dollar More — an energy assistance fund that helps needy families and individuals cover their energy bills. Customers can also make voluntary contributions to Dollar More by checking a box on their AmerenUE bill, and pledging to contribute a dollar or more each month, in even dollars. AmerenUE and the United Way share all administrative costs of the program. As a result, when a customer contributes to Dollar More, every dollar goes to help people in that customer's own community. In 2000, Dollar More raised nearly \$8,000 from customers in the Lakeside District to help needy families in the lake area.

 ${f 0}.$ Does the lake pose any particular challenges in terms of customer service?

A. Because lake residents sometimes are around only on weekends or as tenants for a short time, we sometimes have a tough time offering efficient service. For example, residents who may own second homes at the lake can't always give us access to property as easily as full-time residents to providing service is a bit more difficult. And with the lake's very mobile points on we're called upon to handle changes in service more frequently.

Q. What distinguishes AmerenUE from other investor our con-

Ameren regularly invests in its infrastructure. We believe our attention to our systems will help us avoid severe, recurring problems, like those encountered by some other utility companies.

Q. We read about shortages of power and transmission bottlenecks in other parts of the U.S. Is AmerenUE likely to experience power shortages or problems with transmission service that would affect the reliable delivery of power?

A. Ameren's more than 30 direct connections with other power suppliers, the central location of our power plants, plus a 5,200-mile transmission system give our company a strategic position offering unparalleled access to markets. With 14 coal-fired and hydroelectric plants and combustion turbine facilities, Ameren's net generating capacity is nearly 12,000 megawatts. In the summer of 2000, Ameren also added approximately 680 megawatts of new generation with the start-up of several combustion turbine peaking units. This additional capacity contributed to the company's ability to supply power to new customers and cover its peak demand of approximately 11,640 megawatts — a record set in August 2000. •



PeopleattheLake

JERRY HOGG

Ask Jerry Hogg how he switched from nuclear power engineering to hydroelectric plant relicensing, and he'll tell you that working with people, juggling multiple responsibilities, managing a range of projects and negotiating with a range of constituencies has been part of his job for more than 25 years.

Hogg grew up in a rural area near Eugene, 15 miles from Jefferson City, and his Central Missouri roots run deep. His grandparents farmed across the road from his home. Hogg, his wife and four children, age 14 to 21, have never lived close to any neighbors.

But in 1976 Hogg left the country life he loved to join a global engineering-construction organization — Beethel — as a young engineer right out of the University of Missouri-Columbia. After an 18-month stint at a Bechtel-constructed Arkansas nuclear plant, Hogg joined Union Electric—now AmerenUE—as a field engineer, working with crews constructing the company's Callaway Nuclear Plant. His job was to work out the discrepancies between design and actual construction. After two years, he moved on.

"I wanted more hands-on responsibility for the physical construction of the plant, so I left UE and joined a contractor — DELCON, a subsidiary of Daniel International — still working at Callaway. I worked for DELCON for five years," says Hogg, who in 1994 returned to UE and to the Callaway Plant.

But Hogg's career path was anything but static. He moved from Quality Assurance to the plant's Instrument and Controls Department, where he was named



superintendent, to superintendent of the Maintenance Department and later Organizational Development. His final job at Callaway involved supervising engineers in the Nuclear Engineering Department.

In August 2000, Hogg applied for, and won, the post of superintendent for Hydro Regulatory Compliance. He admits it has been an interesting transition from working in AmerenUE's newest plant — Callaway, built in 1984 — to one of its oldest — Osage, built in 1931. However, the plants do share similarities, Hogg says.

"They both have very good designs. Both have excellent operating records and are very important to providing reliable power to our customers — Callaway because it provides large amounts of electricity as a baseload plant with excellent safety performance, and Osage because it helps us regulate voltage and offers easy, quick start-up for our system when needed. Osage also offers highly reliable and very low-cost power during times of peak demand."

Hogg cites another plus in moving to Osage Plant: He no longer commutes 50 miles one-way. Hogg lives 20 miles from Bagnell Dam and 20 miles from Jefferson City.

Both locations, and even Washington D.C., will figure into the multi-year alternative licensing process Hogg is leading. This process promotes the cooperative sharing of information among the more than 120 stakeholders who are actively participating, or have expressed interest, in the relicensing. Those stakeholders include resource agencies, elected officials, flood control and downstream interests, environmental groups, business and economic development organizations, the boating industry and local community members. In contrast to the "one-size-fitsall" approach of a more traditional licensing process, the alternative process provides a more customized approach in which key stakeholders are involved from the very beginning. It promotes problemsolving at the local level.

So far, Hogg says AmerenUE has sponsored 14 meetings in the process leading to a request for a new license for Bagnell Dam — Osage Hydroelectric Plant. The license expires in 2006.

What will it take to get this mammoth task accomplished?

"Patience, diplomacy, attention to detail, a focused commitment to high standards — to excellence, and the ability to build consensus and compromise," says Hogg. Just what an electrical engineer with extensive nuclear and regulatory experience offers in abundance.

LORI HOELSCHER

For Lori Hoelscher, a community liaison in AmerenUE's Lakeside District and a customer service advisor (CSA) in the Capital District, no two days are the same. And she wouldn't have it any other way.

"What I like about this job is that there's so much diversity in what I do," Hoeischer says. "In the Lakeside District, my scope is more narrow—I am charged with enhancing community and public relations, particularly with city and economic development organizations. I spend about two days a month in Lakeside District and the remainder of my time in Capital District, where I am focused on both city government needs and the needs of our commercial and industrial customers."

A "typical" day may find Hoelscher visiting with Lake Chamber of Commerce, Osage Beach or Lake Ozark officials about economic development or city issues. "I serve as a primary point of contact for Lakeside and many Capital District mayors and city administrators. And in terms of economic development, the communities typically start with us, and then, as that process proceeds, we'll turn them over to the economic development people within Ameren," Hoelscher explains.

Her goal is to get a first-hand look at how a government, agency or facility operates, so she can explore ways to help. With help from others, Hoelscher recently organized the annual community update meeting AmerenUE conducts for Central Missouri city officials—this year the meeting was at Willmore Lodge and included briefings on legislative issues and company programs and activities.



flueischer also attentis reficensing meetings at the lake.

And in Capital District, she serves the more traditional role of customer service advisor, visiting a steel fabrication plant, a turkey processing plant or a giant publishmer company, to learn about new equipment or a planned expansion that will change the energy requirements of these companies.

A native of the Jefferson City, Mo., area, Hoelscher earned a B.S. degree in business administration from Lincoln University before beginning her career with Amerentiff (then Union Electric). Later, she carned a MBA degree from Lincoln, attenting night classes.

Not only is there really no such thing as a typical day, but Hoelscher's job has also changed significantly since she joined AmerenHE in 1985. "When I started with the company, most of the work i did as a rustomer service advisor involved construction - working with contractors, measuring and designing services, both electric and gas, and completing meter orders and tickets," Hoelscher says. "We also did both residential and commercial energy audits and a lot of school safety presentations. But about eight years ago, our focus began to move toward the large commercial and industrial end of our business and toward outreach to city goverament and economic development agencies."

Hoelscher and the district's other CSA, Gaye Suggett, work with about 180 large commercial and industrial customers. Not only most they become knowledge able about these customers' operations, but they're also notified, by pager, when one of their customers has a service interruption, so they can contact the customer and provide information about what happened and when AmerenIIE expects to have power restored. How do they manage to stay informed about such a large and diverse group of customers?

"We make lots of visits and phone calls, and attend seminars and training, but we also use the Internet," Hootscher says. "All our major customers have sites on the Internet, so it's easy to keep track of new developments."

Off the job, Hoelscher has a passion for strowing "saudie seat," or English, horses. But she says her work has an influence on that, too.

"It's surprising that after officials and costomers find out I do this, a lot of them will ask how my shows are coming," she adds. "Sometimes they even come to them. That puts on extra pressure to do well in the show." *

STEVE BENTON

For a self-professed "country" boy, Steve Benton stays on the move.

Born in a Washington, Mo., hospital, Benton grew up in Gerald and Iberia small towns in central and southwest Missouri. His lather turned to full-time larming when Benton was a small boy, so tending to hogs and cattle and getting up in the wee hours is not unknown to him. That's good because as construction supervisor for the Lakestrie District, Benton faces some early morning bours keeping the lights on over a far-bung area that includes rural hamlets and upscale lake developments. Benton hourd his skills the hard way — by coming up the ranks.

After earning a degree as engineering associate of electronic technology, Benton joined the engineering group of Western Electric in St. Louis, where for two years he was part of the field engineering team, getting projects completed. Then, after a 366-day stint as a sergeant in the infamiry in Vietnam, Benton became a Western Electric line engineer — a desk job that had him ordering equipment for Southwestern Bell.

"I hated being inside, so in 1973, I took a pay out to become an apprentice lineman for Gascosage Co-op in Bixon, Mn.," he retails. On March 20, 1978, Benton became a fineman in Versailles, Mo., for Missouri Utilities. In the mid-1980s, Union Electric — now AmerenUE — acquired Missouri Utilities, and in 1986 Benton became UE supervisor for the electric and gas line crews in Versailles and Eldon. In 1991, he moved to the position of gas supervisor of the Capital District, based in Jefferson Gitt, and during this period, faced some of the toughest challenges of his career.

"The Flood of 1993 hit us hard — we worked every day fighting the mud, rain and river currents," Benton recalls. "In fact, we eamped out for nearly two wocks waiting for the Missouri River to recede so we could restore gas to our customers with a temporary gas main we were trying to get across a bridge going into Jefferson City. It was a very tough time for everyone, but we learned a lot. Our seasoned crews showed they were up to the chal-



lenge. We handled the entire crisis safely."

in 1356, Benton moved to the Lakeside District, where he helped implement a new scheduling system that has increased responsiveness to customers and operating efficiency.

What special challenges does the take pose? "The area's population is diverse and growing, and that creates a dynamic attention requiring a lot of diplomacy and flexibility. There's a great deal of new construction in the area and a need for preventive maintenance on the many district lines that cover a lot of miles. Youhave to be able to adapt quickly and handle a range of assignments to perform well in this district."

Benno adds that the beauty of the area is a boxes to agains working there, but "I don't fish. I don't boat." However, Benton's parents are 30 miles away and he does own and ride quarter horses.

"I am a country boy, after all." .

Schedule 4-74

Protecting Resources

AmerenUE's Efforts Gain National Recognition

The Osage River downstream from Ragnell Dam is one of the best fishing and fish catch areas in Missouri, containing more than 80 species. Amerenil's has been working with the Missouri Department of Conservation to enhance this fishery by raising dissolved oxygen levels during the hottest summer months when oxygen levels normally decline.

In 2000, those efforts gained national recognition when the National Hydropower Association (NHA) cited Amerenile's Osage Plant for "Outstanding Stewardship of America's Rivers." Osage was one of three projects, nationwide, receiving this honor.

While it's nice to win awards, what does "dissolved oxygen enhancement" mean for fishermen? Better fishing! Here's why:

In warm-water lakes, like the Lake of the Ozarks, dissolved oxygen levels drop in hot weather because the water stratifies — layers of warm water form near the surface and layers of colder water sink to the buttom. As a result, the amount of dissolved oxygen

— which fish
need to survive
— decreases deeper in the lake. Since the
Osage Plant draws water from
the deepest part of the lake to
run its generators, the water it discharges into the Osage River has typically been low in oxygen, putting
severe stress on the fish population
downstream. Boosting that dissolved

oxygen means happier fish — and happier fishermen!

AmerenUE engineers devised ways to make vents above the "tunners" — the water wheels that turn the turbine generators — work more efficiently. These vents mix air with water as it goes through the power plant, thus increasing the oxygen levels in the water discharged downstream. The plant staff also found that by afternating operation of the generating units at night — when dissolved oxygen is lowest — they can discharge water with higher oxygen levels more evenly throughout the river.

The result: Ameren HE doubled the amount of dissolved oxygen in water discharged from the dam during times of the year when fish populations have been most affected. What's more, peak dissolved oxygen has reached levels higher than are known to have been achieved at any other hydro project that uses turbing venting. Not only has this greatly enhanced the fishery, but the improvements were achieved at

minimal cost and with minimal

7 7

impact on power
generation —
a "win-win"
situation for
both the
environment
and low-cost
energy
production. •

FISH STOCKING

From the time Bagnell Dam was built, AmerenUl! has worked to boost the lake's fishery through a lish stocking program. The company operated its own lish batchery until 1997, when it signed an agreement with the Missouri Department of Conservation to conduct fish stocking at the lake.

Supported by an \$80,000 annual grant from AmerentiE, the new arrangement has resulted in a greater diversity of species being stocked in the take than was possible with the small hatchery operation in the pass. During 2000, 183,000 striped bass, 176,000 hybrid striped bass, 8,190 paddlefish and 601,000 walleye "fry" were introduced into the lake under this program.

EDUCATING THE PUBLIC

Over the past few years. AmerentlE has conducted several new projects aimed at educating the public about the take and the importance of protecting and enhancing the lake's natural resources for the benefit of future generations. Those efforts gained national recognition in 2000, when the National Hydropower Association granted its prestigious "Hydro Achievement Award" to AmerentlE for three public education projects completed in the past two years. Those projects include the preservation of Willmore Lodge and creation of a Lake of the Ozarks historical museum, the dedication of a new scenic overlook on a titll above Bagnell Dam, and the creation of a fish and bird observation area at the dam itself.

Willmore Lodge, on Business Route 64 about one mile north of Bagnell Dam, once served as an administration building and iodge to house dignitaries visiting the dam's construction site. The log structure had fallen into disrepair and was in danger of being demolished when AmerentlE re-acquired it in a bankruptcy auction. Today, for a nominal fee, AmerentlE leases the building to the Lake of the Ozarks Area Chamber of Commerce, which has restored it for use as a visitors' center and chamber offices. AmerentlE has also developed a museum highlighting the past, present and future of the lake in one wing of the building.

The scenic overlook, located on Upper Power Plant Road, provides a spectacular view of the take, dam and Osage River. Facilities include an observation deck, element patio, shelter house and parking area. They also include informational signs about the history of the take and dam, plus historic photographs showing bow the Osage River Valley looked from that same location before the dam was built.

With help from the Missouri Department of Conservation, AmerenUE also developed a fish and bird observation area along a walkway leading to the Osage Plant's main office on the downstream side of hagnell Dam. It includes informational signs to help visitors identify the fish and birds they can observe from that location. Signs are changed periodically to highlight the species present at different times of the year.

The public is welcome to visit all of these facilities at no charge. •

Cleanups Worth Their Weight in Trash

Thanks to hundreds of dedicated people, the Lake of the Ozarks gets a "spring cleaning" twice a year. Sponsored by AmerellE, last year's spring and fall cleanups collected the second highest amount of trash ever: 2,716 cubic yards, weighing a hefty 186 tons!

Started in 1992, the Annual Shoreline Beautification Geanup seeks to reduce the amount of trash that accumulates along the lake's 1,150 miles of shoreline. The Adopt-the-Shoreline program, founded in 1994, provides a core group of volunteers to clean the lake and oversee the annual Shoreline Beautification Cleanup.

In 2000, 558 volunteers from 54 Adopt-the-Shoreline groups participated in the spring cleanup, collecting a total of 2,186 cubic yards of trash, weighing in at 150 tons. AmerenUE covered the cost of disposal, including the use of "rolloff" dumpsters and several trucks at a cost of \$35,000.

In the fall, 115 volunteers from 14 groups collected 530 cubic yards of waste, weighing 36 tons — the second highest total ever for a fall cleanup! AmerenUE again paid for disposal, at a cost of almost \$9,000.

In addition to offering their time, many volunteers supply boats. One lake resident even picks up five miles of trash every weekend, by herself.

Why so much trash? As

more and more lake area is developed, the population increases, and so does the trash. That's why membership in the Adopt-the-Shoreline program is so essential. To date, the program is comprised of 65 groups that have adopted 438 miles of shoteline. Membership is growing fastest among condominium associations, neighborhood associations, and couples or individuals.

Members receive information about the program and other events through a handbook, provided to all members, a quarterly newsletter and an orientation held every February. These efforts provide information about when people can help, what tools they need to bring and how the events are organized.

Along with the efforts of so many dedicated people, a task force has been established to study the problem of dock foam (expanded polystyrene or EPS), which makes up 95% of trash on the water.

Consisting of 25 volunteers, the task force includes representatives from different chambers of commerce, members of the water patrol, private individuals, members of the Dock Builders Association, marine dealers, Department of Natural Resources, and Adopt-the-Shoreline zone coordinators.

Their goals are to determine why EPS is littering the shoreline, to review the regulations and laws regarding the disposal of the foam, and to create a list of recommendations to send the Adopt-the-Shoreline advisory board.

While some of the foam in the take is the result of illegal disposal, much of it comes from derelict or abandoned docks.

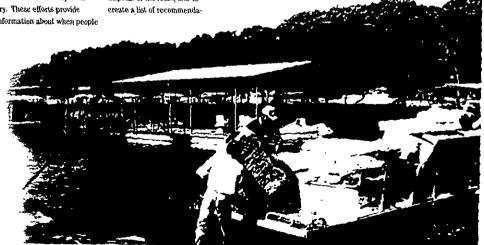
In 1995, the requirement for dock flotation changed, imposing limits on what materials can be used for flotation. Before 1995, EPS was commonly used for flotation, but eventually it becomes water-logged and breaks apart. Only the encapsulated foam is acceptable for flotation. It is more durable, and it doesn't absorb water.

Each year, thanks to the efforts of many involved participants, the Lake of the Ozarks remains an enjoyable, clean place for residents and vaca-

tioners. But the task of keeping it clean doesn't end there. It's up to all the people who enjoy the lake to dispose of waste responsibly.

To join Adopt-the-Shoreline or for more information, call (573) 365-9310. Volunteers for one or both cleanups are always welcome. Donations and loans of materials, like pontoon boats or other equipment, are also needed.

You can also help by recycling or disposing your own trash in a responsible way and encouraging your neighbors to do the same. Through the combined efforts of AmerenUE and the community, we can assure the Lake of the Ozarks remains a beautiful place to enjoy year after year! •





Lake of the Ozarks Guru Tries to Keep Water "On the Level"

 \mathbf{H} elping one of the largest man-made lakes in the world fulfill it's responsibilities is no small task.

Just ask Charlie Kempf, superintendent of operations, Osage Plant and hydraulic engineer. Over his 30 years at AmerenUE, the last 10 at Osage Plant, he's grown used to balancing the needs of the lake, the Osage River, and the people who rely on both.

"One of the most challenging jobs is maintaining the water level at the lake while generating power, even during periods when we have low water levels," says Kempf.

FERC SETS WATER LEVELS

In compliance with the FERC license requirements, the water level must remain at 650-660 feet above sea level, although AmerenUti's federal license permits it to go as low as 645 feet in an emergency. Normal levels run between 654-660 feet above sea level.

"We also have to keep in mind different needs and concerns. That can be a challenge when the demand for energy is at its peak," he says.

Osage Plant is not only concerned about generating power. It also must consider the needs of recreational boaters, farmers downstream, fishermen, environmentalists, residents, and businesses that rely on the lake for their livelihood.

In an effort to maintain these levels, Kempf, along with AmerenEnergy (Ameren's energy trading subsidiary) and AmerenUE's energy dispatch area, develops a yearly "guide curve." The guide curve is a graph used to outline the optimal lake levels maintained at different times of the year.

The dispatch area establishes how much power is needed and from which plant. "They create a plan for energy," explains Kempf.

If some power is not immediately needed, AmerenEnergy finds markets where that extra energy can be sold.

FULL LAKE LEVELS

This past summer, despite minimal rain, Kempf and his team maintained full levels at the lake. At least until August.

"We had to work hard to use the water wisely and maintain our levels. Despite the heavy demand, we stayed above our established curve to keep the water levels up," says Kempf. "It's a tribute to good management."

The minimum amount of water released is 450 cubic feet per second, which helps maintain the aquatic life. The maximum flow through the generators is 34,000 cubic feet of water per second.



"If we release too much water, the downstream region can get flooded, and if the levels get too low in the lake, we not only generate less power, but it creates problems for boats and dock owners," explains Kempf.

LAKE REPORT PHONE LINE

How do low levels affect residents and owners at the lake?

"People need to be aware not just of the levels in their area but the entire lake. If the levels drop too much, boats can become stuck in coves or their docks," says Kempf.

Information on take levels can be obtained by calling AmerenUE's Lake Report at (573) 365-9205. Kempf revises the update every week day.

"The lake reports provide information on what is happening at the lake on a daily basis. If the forecast calls for the levels to drop, people can make plans to minimize damage to their property," Kempf adds.

TIPS FOR LOW LAKE LEVELS

Low water levels are not uncommon in winter months. In addition to checking the hotline for information, here are other precautions residents can take in cold weather:

- Disconnect hinges linking docks, seawalls and piers to allow the entire structure to fall with the water level.
- · Lengthen cables on docks to allow them to drop as the water drops.
- · Use deicers or hydra hoists to protect against ice damage.
- Ask a neighbor, local boat dealer or a dock builder to care for your dock in your absence.

For a list of members of the Dock Builders Association, call the Lake and Shoreline Protection Botline at (573) 365-9203.

As the owner and operator of Bagnett Dam And the Osage Power Plant, which created Missouri's Lake of the Ozarks, AmerenUE conducts a number of shoreline management activities as required by Article 41 of its federal license to operate and maintain the Osage Project.

The license, issued by the Federal Energy Regulatory Commission (FERC), allows AmerenUE to establish a program to issue permits giving lakefront property owners the privilege of having a boat dock or other structure on the lake. Among AmerenUE's shoreline management activities, the permit program is clearly the most misunderstood.

Why issue permits? The permit program helps ensure that structures on the lake meet standards to prevent them from affecting navigation, polluting the lake, or interfering with the safe and reliable operation of the dam and power plant. The program also helps protect property values by requiring that all docks and other shoreline structures be maintained in good condition and by removing docks that have been allowed to deteriorate and become an eyesore.

AmerenUE assumed responsibility for the permit program in 1982. Before that, the U.S. Army Corps of Engineers issued permits.

"Although our permit program remained essentially the same for a long time, in recent years we've made a number of changes aimed at improving the program, and that's caused a lot of confusion and misunderstanding," says Jeff Douglass, AmereniUE real estate supervisor, who heads the permit program.

Douglass says the first big change came in 1995, when AmerenUE issued new dock construction standards banning the use of white foam flotation material that had become the number one source of man-made debris in the lake. Docks that already used the foam were "grandfathered" — meaning owners of docks with foam that was still in good condition did not have to replace it right away. However, when the material finally did wear out, it would have to be replaced with an approved flotation material.

PERMIT FEES INTRODUCED

Faced with the skyrocketing cost of conducting and enforcing the permit program (the number of permits processed per year rose from just under 900 in 1986 to more than 5,000 in 1996), in 1997 AmerenIIE began charging a one-time processing fee for new permit applications. When fee revenue still fell far short of covering expenses, in 1999 AmerenIIE introduced a new fee structure that included an annual "use fee" for large docks and a lump sum use fee for smaller docks.

Douglass says that, while most lake residents and businesses appear to accept the need for fees, a coalition of large dock owners has continued to oppose the fee structure. He notes that FERC recently upheld the second of two rulings confirming AmerenUE's right to charge fees and the "reasonableness" of those fees. He also notes that despite the written FERC rulings, some misunderstanding continues.

"We chose the current fee structure after reviewing fees at other lakes around the country," Douglass says. "Every penny we collect in fees goes into shoreline regulation and enforcement. AmerenUE continues to absorb the entire cost of other shoreline management programs, which are not covered by fee revenue, such as musquito spraying and shoreline cleanup activities."

NEW ENFORCEMENT TOOL

Permits have always been required for docks at the Lake of the Ozarks. AmerentIE realizes that a portion of the docks still do not have permits. But the company will soon have a new enforcement tool, thanks to a new Graphical Information System (GIS).

"A contractor working for AmerenUE took aerial photos of the entire shoreline and then used digital technology to pinpoint the location of every dock on the lake," Douglass say. "They're now reviewing the photos and county records for every takefront parcel and matching them to our database of existing permits. When this project is complete in early 2001, we will have an important new tool to identify unpermitted docks, giving a big boost to our enforcement efforts."

FACTS ABOUT PERMIT FEES

As AmerenUE beefs up enforcement of the permit program, the company continues to receive many questions about permits and fees. Here's a summary of the current fee structure:

- . Applicants pay a \$100 processing fee for a new permit for a one-slip boat dock, plus \$25 for each additional slip.
- If a dock owner with an existing permit makes a modification such as adding boat stips, rebuilding the dock, or
 moving the dock to a new location on the same property a \$50 permit modification fee applies. This fee covers
 the addition of one boat slip. If more than one slip is added, there's a \$25 fee for each additional slip.
- . The fee for transferring a permit from one owner to another is \$25.
- Owners of docks larger than 3,000 square feet are charged an annual use fee of 4.5 cents per square foot. Owners of smaller docks are not charged an annual fee, but they are charged a use fee when they apply for a new permit or a modification to an existing permit.
- For docks between 1,800 square feet and 3,000 square feet, the use fee is \$400, while for docks smaller than 1,800 square feet, the use fee is \$250.
- · Applicants for new permits or permit modifications must pay both the applicable permit processing fee and use fee.
- A \$500 "enforcement fee" may be charged to dock owners who fail to obtain a permit or who do not comply with the
 requirements of an existing permit.

For a copy of the complete permit regulations, with guidelines on how to prepare an application, call (573) 365-9203. Computer users with access to the Internet can find the complete regulations, along with a permit application form, on Ameren's Web site (www.ameren.com). Bequests for permit applications or permit questions can also be sent to AmerenUE's special Lake of the Ozarks E-mail address (Lake@ameren.com).

Schedule 4-78

LicenseRenewal

"Stakeholders" Play a Key Role

Representatives of a wide range of organizations and interests at the Lake of the Ozarks spent 2000 working on a very complex project—the relicensing of AmerentIE's Bagnell Dam and Osage Power Plant. AmerentIE's federal license directs how the company will operate the plant, manage the shoreline and serve as stewards of the water resource.

AmerenUE's existing 30-year license from the Pederal Energy Regulatory Commission (FERC) expires Feb. 28, 2006. Hydra plant ticense periods can range from 30 to 50 years, and AmerenUE plans to seek a new 40-year license. However, a new license application must be prepared for FERC review no later than Feb. 28, 2034. Officials of other hydro projects that have gone through the relicensing process in recent years have one piece of advice — start early.

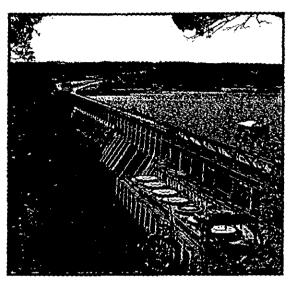
Relicensing is important to everyone who has a "stake" in the future of the lake because the new ticense will govern AmerentiE's operations at the take for decades to come. That's why AmerentiE began the process by seeking active participation from persons with a wide range of interests.

"We invited people representing every interest we could think of," says Jerry Hogg, AmerentE superintendent of Hydro Regulatory Compliance, who is heading the relicensing project. "In December 1999, we contacted more than 130 organizations and individuals, asking if they would like to participate. They include resource agencies, elected officials, flood control and downstream interests, small business owners, environmental groups, business and economic development organizations, the boating industry and members of local communities. Consultants from Duke Engineering & Services and Kearns & West, who have extensive experience in hydro plant relicensing, were also brought in to assist."

About 50 people strended an introductory meeting on Jan. 12, 2000, with subsequent machings held nearly every menth. Attendance has varied, but a "core group" of about 25 has participated in almost every meeting.

One of the stakeholders' first tasks was to decide which relicensing method to use. Both AmerenUE and FERC favored FERC's new Alternative Licensing Process (ALP), rather than the traditional process used in the past. The ALP pronotes problem-solving at the local level by encouraging extensive stakeholder participation from the very beginning. After discussing the issue at two meetings, participants chose to follow the alternative process. Then the real work began — identifying the key concerns of each stakeholder group and determining how to address those concerns in the licensing process.

The task force spent most of 2000 identifying information needs and what studies may be necessary to gather that information. They developed the Initial Consultation Document, which provides information on existing resources associated with the Osage Project. They also developed the Initial Scoping Document, which is aimed at identifying key issues and the "scope" of studies that will be conducted to address those issues. These studies address not only environmental concerns,



The complex process of reficensing AmerenUE's Gazge Plant and Bagnet Dam involves balancing competing interests, like upstream recreation and downstream flood control. To reach agreement on as many issues as possible before submitting a reficensing application to the Federal Energy Regulatory Commission, AmerenUE has invited "stakeholders" representing a wide range of interests to acceedy participate in the reficencing project.

but also historic preservation, recreation and socioeconomic issues.

The next step will be a public meeting Feb. 21, 2001, to give the public an opportunity to review and comment on the work the stakeholders have done so far. To accommodate as many people as possible, both an afternoon and an evening session are planned.

Then the major work will be back in the hands of the stakeholders again, as they continue efforts to reach consensus on as many issues as possible — before the formal relicensing application is sent to FERC.

"Our hats are off to the stakeholders who have made a continuing commitment to this project," Hogg remarks. "Some are from resource agencies, and it's part of their normal jobs. But meeting once or twice a month for several years is quite a lot to ask of small business people and others who are serving as ungaid volunteers." *

Schedule 4-79

Lake Views

A Visit with Dan Jarvis, Osage Plant Manager

44 Ts all revolves around Bagneil Dam," says Osage Plant Manager Dan Jarvis, when asked about the relicensing prolect taking place at the Lake of the Grarks. "What we do affects a lot of people on both sides of the dam."

Jarvis should know. He's been running the dam and Osage Hydroelectric Plant for more than 11 years. But in the year 2000, he became involved with one of the biggest projects at the dam since construction ended in the 1930s: the six-year process to renew AmerentiE's operating license for the dam and plant.

Jarvis took some time out of his schedule recently to talk about relicensing, the Lake of the Ozarks and the future of Bagneti Dam and the Osage Plant.

Q. Under what authority does AmereaUE operate Bagness Dam and the Osage Plant?

A. Hagnell from and Osage Ptent have operated for the past 70 years under a license from the Pederal Energy Regulatory Commission (FERC), the government agency that oversees transmission of power and other activities of electric utilities in the United States. The license regulates everything from how we release water through the days to how we spray for measurities.

The original license expired in 1976, and after some extensions, we finally obtained a new license in 1964, postdated to 1976. That license expires in 2006. So we are currently working on our third license from FERC.

Q. What has the relicensing process been like?

A. In early 2000 we started meeting with various stakeholders at the lake. The core group of most interested stakeholders numbers around 25 people, including representatives of state agencies, community groups and others who have an interest in the take and the Osage River. We will continue meeting with stakeholders through 2000.

The meetings have been very productive. Our goal is to identify the key issues at the take. The next stage is reaching agreement on how to resolve those issues so the process can move along as smoothly as possible. We plan to have as onany issues as possible resolved, and the applicativa assembled, by February of 2004. This allows a period of two years for the PERC to review the license application and request any additional information they feel is needed to address all of the concerns, prior to the expiration of the existing license on Feb. 28, 2006.

Q. That seems like a long time. Why is the process so slaw?

A. The timetable allows all interested parties to voice their concerns. The entire group addresses the issues, and

then AmerenUE determines which need additional data for resolution. Field studies are conducted over a two-year period to gather information. Following the study period, the data is analyzed and the best solution agreed upon by the responsible parties. It is critical that we have the proper information to buse any power plant operational decisions upon. The license will be in effect for a long period of time and will affect not only people around the Lake and the Osage River, but all of our electric customers as well.

Q. What key issues have you identified?

A. Downstream from the dam, the most prominent issues are bank erosion and flooding. These are obviously related to AmerenUE because the company controls the flow of water through Bagnell Date.

Upstream, AmerenUE's role in shoreline management is a major issue. AmerenUE is charged with shoreline management by the existing FERC license. Included in that responsibility is the issuing of permits for docks and seawalls. Most seawalls and docks at the take are constructed open, or anchored to, AmerenUE property.

An issue that alleots the lake — up and downstream — is the environment, especially the dam's impact on fish and other species, like mussels. AmerenUE is proud of the role we have played in economic development, lish stocking, improving dissolved oxygen levels and other wildlife prescription efforts at the lake, and we look forward to continuing that tradition under a new license.

We hear a lot about combustion turbines that run an natural gas or oil. Are hydroelectric plants still necessary?

A. They certainly are. Hydroelectric power is a clean, inexpensive, environmentally friendly way to produce electricity at times of peak demand. It uses natural forces—water and gravity—to turn its turbines, unlike a plant that burns coal, oil or natural gas to generate electricity.

Almost 100 million barrels of oil would be needed to generate as much electricity as Osage Plant has generated over its 70 years of operation. This is a renewable resource, and as such, is very important to our economy and the environment.

Q. What's in store for the Osage Plant in 2001 and beyond?

A. As the electricity markets become more competitive, inexpensive hydroelectric power, like that generated at Osage Plant, will become increasingly important. As a result, we will be replacing two turbines at the plant that have been operating since it started generating power in 1831. The new turbines will cua more efficiently so that we can generate more electricity.

We'll start taking agant the old turbines this fall, and the new turbines will arrive toward the end of the year. We plan to put an old turbine, which weighs about 50 tons and is 12 feet in diameter, on display near the scenic overlook above the dam. We will also apply to apgrade two other turbines.

Also in response to the changing energy marketplace, it is important to centralize activities and work smarter. Orage Plant will soon be the central point of control for an three of Amerentic's hydroelectric plants. Osage has controlled the company's Taum Sauk Plant for years, but soon it will also control the Keokuk, lowa, hydro plant. One person in Osage's control room will be able to turn all three plants on or off with the push of a button.

Osage Plant also works continuously with Amerenii's's Energy Supply Department, headquartered in downtown. St. Louis, to monitor the amount of water in the lake, the water flowing into it, and how those factors influence the plant's ability to generate electricity.

For all these reasons, Orage Plant is, and will continue to be, a critical part of AmerenUE's system.



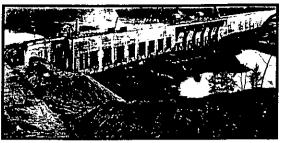
PRESERVING THE PAST: NEW LIFE FOR OLD PHOTOS

When AmerenUE's Bagnell Dam and Osage Power Plant were built in 1929-31, photographers carefully documented each stage of the massive project. The result? Roughly 650 high-resolution black and white photos showing everything from the Osage River Valley before work began to the site when the project was completed.

For nearly 70 years, the 8 x 10-inch negatives remained in manila folders in a file room at the plant. Now the photos are getting a new life in digital format — preserving them for future generations, and at the same time, making them more accessible to the public.

"These old construction photos have been very popular, and some of the negatives have been borrowed numerous times over the years — for use in things like history books, brochures and calendars," says Osage Plant Manager Dan Jarvis. "Unfortunately, the more the negatives are handled, the more they can be damaged. We decided to convert these negatives to digital format to preserve them from further deterioration and yet make the photos available to historians and others who wish to use them."

In early 1999, Jarvis and Maintenance Superintendent Atan Sullivan began working with local photographer Cliff Keeler to get all of the negatives digitized



Bagnell Dam, under construction in 1931.

and stored on compact disks. To protect the negatives, Keeler hand-carried 150 at a time to a photo lab in Kansas City. The lab used a special high-resolution scanner to convert each image to digital format. Once digitized, imaging software was used to "repair" scratches or other defects that were in the original photos. Keeler says one negative actually shattered when it was removed from the scanner, but since it had already been digitized, the image was saved.

Jarvis says digitizing the old negatives has provided other benefits, beyond simply preserving them. "The digital images allow you to do things you couldn't do before. With the digital photos, you can zoom in and see the expressions on people's faces — even read license plates," Jarvis adds.

Osage Plant's original negatives are now stored under climate-controlled conditions at the Missouri State Archives in Jefferson City. •

AMERENUE CONTACT INFORMATION

E-mail address: Lake@ameren.com Ameren Website: www.ameren.com

Lake and Shoreline Protection Hotline (to report pollution problems, derelict docks or other concerns affecting the lake): (1573) 365-9203

For information about permits for docks, seawalls and other structures on the lake:

At the Lake: (573) 365-9203

Outside the Lake Area: (314) 554-4259 Fax: (314) 554-2570

Lake level information: (573) 365-9205

For information about new connections and other AmerenUE services:

1-800-552-7583



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Marinerica

AmerenUE

iting into a hear dog, licking an ico cream cone and switching on a light are ways to sample some of the excitement generated at the 1904 World's Fair, the St. Louis event that introduced America to the hot dog bun, the waffle cone and the joys of electricity. Union Company, AmerchUE's original name, powered the forgrounds, inspiring Charles Alma Buers to hail the event as "the electrical fair" in a 1904 edition of The American Inventor.

The fair prompted a flurry of home wiring, and Union, founded in 1902, turned up the current to begin a tradition of providing low-cost, reliable energy that continues today through AmerenUE.



AmerenUE is an operating company of Ameren Corporation, the parent of energy trading and marketing, and fuels procurament companies, plus an Himois-based electric and natural gas utility. AmerenCIPS.

AmerenUE supplies electricity to 1.2 million customers and natural gas to 123,000 people in Missouri and Illinois, making it Missouri's largest electric company and the state's third-largest natural gas distributor.

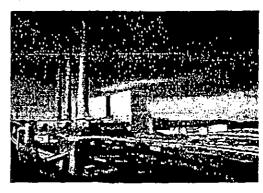
The company paid its first, now uninterrupted, cash dividend in 1906, then spent the next three decades expanding territories, acquiring plants and completing Bagnell Dam on the Osage River. By the 1940s Union Electric's production outstripped demand, so with other power companies, the company built a multistate system of power transmission lines that links Ameren with 30 other providers. Ameren is now the nation's second-most connected utility company.

Expansion continued over the next 40 years, including a move into Missouri's gas market and the construction in 1984 of the state's only nuclear power plant. Near Fulton, Missouri, Callaway Nuclear Plant has set national records for safety efficiency and production in its 17-plus years of service.

Union Electric merged with CIPSCO Incorporated in 1997 to form Ameren Corporation. The resulting organization provides energy services to more than 1.8 million customers in Missouri and Illinois. At that time, St. Louis-based AmerenUE had a generation capacity of 7,900 megawatts from one nuclear, five fossil-fuel and three hydroelectric generating plants. The merger propared both utilities for competitive markets, resulting from provider choice legislation enacted in 1997 in Illinois. Today, Ameren's generating capacity has reached 12,600 megawatts and is growing with capacity additions in Illinois.

AmerenUE has built its generating strength while reducing emissions, protecting wildlife habitats and investing in research. Among the prestigious awards the company has received are a 1998 Missouri Governor's Pollution Prevention Award; a 1997 Marlin Perkins Award for supporting a program to install hatching boxes for supporting a program to install hatching boxes for songbirds on utility poles, and the 1993 Edison Award, the industry's most prestigious honor, for its response to devastating Midwest fipoding.

AmerenUE offers assistance with energy bills to low-income customers, and long-life, high-efficiency lighting to community parks, schools and sporting venues



About 100 years ago, Union Company powered the region's charge into the ago of electricity. This century, AmerenUE stands ready to lead the industry in developing cleaner methods for generating power while consistently meeting its customers inceds for low-cost, reliable energy.

The first power plant of what is now American Corporation was in downtown St. Louis, near what is now Lockede's Londing. The plant built in 1992 has been a landmark in the city since 1972 and was said to 87-State Development Agency in 1993.

America's largest plant at 2,200 megawatte.
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A Reference Guide For Property Owners And Builders/Contractors

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