MISSOURI-AMERICAN WATER COMPANY
AN AMERICAN WATER WORKS SYSTEM COMPANY

February 25, 1987

FILED
FEB 27 1987
PUBLIC SERVICE COMMISSION

RECEIVED
FEB 27 1987
MO. PUBLIC SERVICE COMM.

Mr. Harvey G. Hubbs, Secretary
Missouri Public Service Commission
301 West High Street
P. O. Box 360
Jefferson City, MO 65102

Subject: Case No. AO-87-48

Dear Mr. Hubbs:

The findings in the order issued on November 3, 1986, in Case No. AO-87-48, required that utilities, in the State of Missouri, furnish certain information concerning the effects of the 1986 Tax Reform Act (TRA) upon those utilities. On December 12, 1986, Missouri-American Water Company filed the documents required to reflect the impacts of TRA upon its unadjusted calendar year 1985 financial statements. The order also prescribed that the Company should file similar documents for unadjusted calendar year 1986 by February 28, 1987. In a subsequent order in this case dated January 30, 1987, the Missouri Public Service Commission ordered that information concerning 1986 operating results, adjusted to reflect the impacts of TRA, should be filed on or before March 2, 1987.

Enclosed herein for filing are three (3) copies of the responses of Missouri-American Water Company in the above-mentioned orders. Information contained herewith for filing includes schedules demonstrating the impact of the 1986 Tax Reform Act upon actual 1986 operating results.

As required by the above-mentioned orders, the 1986 operating results have been calculated at the 1987 40% tax rate and at the 1988 34% tax rate. Additionally, these schedules are accompanied by the supporting workpapers required by the Commission's orders. The information contained on these schedules complies with the Commission's order findings one, two, three, four and five, included with its order dated November 3, 1986. Finding six of that same order provided that the Company could file further information which it deemed appropriate in examining the revenue requirement impact of the changes resulting from TRA.

Additionally, in its order dated January 30, 1987, in finding two, the Commission directed that with the material filed on or before March 2, 1987, the Company shall file with the Commission information setting forth the offsetting cost increases, or other factors, which cause the Company to believe that its current rates are not excessive, in spite of the impacts of TRA. The remainder of this correspondence shall be directed toward the Company's response to both sections of those Commission orders.

Missouri-American Water Company would direct the Commission's attention to the calculations set forth on the schedules it is filing, as required by the Commission's orders. Utilizing the 1987 40% tax rate, considering only investment through December 31, 1986, computed by using the format authorized in the latest Commission order, and utilizing unadjusted 1986 operating information, the Company reflects a current revenue shortfall of $264,013. Using similar data, and reflecting the 1988 tax rate of 34%, the schedules reflect a slight decrease in the revenue level of only $37,036. Such a decrease is less than 1/2 of 1% of existing revenue levels. The average monthly residential water bill of Missouri-American customers is approximately $10. A decrease of 1/2 of 1% would equate to 5¢ of that bill.

Additionally, the Company would point out that the information on the schedules it is filing has been prepared for the twelve months ended December 31, 1986, and does not reflect the Company's investment in plant that it will make during 1987 and 1988. Further, the expenses reflected on the income statements filed herewith do not reflect expenses that the Company will realize during 1987 and 1988, which is the period during which the full impacts of the 1986 Tax Reform Act are being phased-in.

Missouri-American has approval from its Board of Directors to spend more than $1,400,000 in 1987 for capital improvements in both districts of the Company. This expenditure is more than 5% of the computed rate base at December 31, 1986. Additionally, operating expenses for 1987, excluding income taxes, are expected to be approximately $472,000 higher than those experienced in 1986. These factors will continue the need for revenues of at least existing levels, in order to delay any additional rate increase requests.

The Company would ask that the Commission take note that the computed rate base at December 31, 1986 has increased by approximately $1,600,000 from its previously authorized rate base. This investment represents an increase in total rate base of more than 7%. Additionally, the Company would note that its total capital has increased by $2,800,000, which includes an increase in its common equity investment of over $1,000,000. This growth in common equity represents more than a 10% increase above the common equity level authorized in its previous rate filing.

Missouri-American would like to address the following changes in the Tax Reform Act and, more specifically, address how those changes will impact its operation and financial results, and its existing rates.

Reduction in Corporate Tax Rate

As pointed out earlier, the schedules which the Company is filing with the Commission, prepared in the format required by the Commission's orders, address the impacts of the changes in the corporate tax rate, both at 40% and 34%. As can be noted on those schedules, the impact upon the Company's existing revenue requirement, even at the 1988 tax rate of 34%, is very minor.

Contributions in Aid of Construction

By far, one of the more significant changes in the 1986 Tax Reform Act is the inclusion of Contributions in Aid of Construction as taxable income. The Company has received tax advice that it should consider Customer Advances as taxable income, as well. This matter has been discussed with the Missouri Staff and, currently, the Company has on file, plans which would only require that a developer pay the cost of actual construction for a main extension. Any associated taxes would be paid by Missouri-American, and would be recovered in the ratemaking process as a rate base investment, and an additional operating cost. Without filing a rate case, it will be necessary for Missouri-American to pay taxes on main extensions during 1987, until such rate action, if required, has been completed before the Commission. The Company currently estimates additional taxable net income of almost $496,000, coming from changes specified in the Tax Reform Act. Of this increase in taxable net income, the taxable income from customer advances is estimated to be almost $482,000. Associated taxes at a 40% tax rate would be $192,880; and $163,880 at a 34% tax rate.

Repeal of Investment Tax Credit

Missouri-American has been very dependent upon the generation of internal cash to meet its construction needs. In recent years, the cash generated internally has been insufficient to finance the construction required to maintain service in the service areas. As pointed out earlier, it has been necessary to externally finance almost $3,000,000 since the last rate case. The repeal of the investment tax credit will put even more pressure on the Company's current revenues to provide the cash necessary to meet construction needs without seeking external financing. While the repeal of the investment tax credit has no effect upon the Company's overall revenue requirement, the Company would point out, for the Commission's consideration, that it has lost more than $250,000 in investment credits that were considered in its last rate order. Certainly the loss of this internal cash flow will have a detrimental impact upon the Company's ability to meet its construction needs with cash from existing rates.

Unbilled Revenues

One of the changes of the 1986 Tax Reform Act is the inclusion in taxable net income of unbilled revenues. It would not appear that this tax law change has a significant impact on the Company's revenue requirement. However, the Company would point out for the Commission's information, that it is liable for approximately $378,000 of taxes upon its accrued utility revenue over the next four years, which has already been reflected in prior revenue requirements. As a result, these tax payments to be made by Missouri-American will place an additional burden on the Company's limited cash resources which, for Missouri-American, is its existing revenues. The payment of these taxes will, in all likelihood, put additional pressure on decisions to finance future construction with additional external capital.

Bad Debts Reserve

TRA will require the Company to use a different method of claiming bad debts expenses for income tax purposes. The impact upon the Company's current revenue requirement, from this change in deductions, is rather minor. However, similar to the taxation of unbilled revenues accruals, the Company's bad debts reserve will likewise become taxable net income over the next four years. This tax law change will have ratemaking impacts which the Company has reflected in the taxable net income, enclosed for filing. In prior rate cases, rates have been set to reflect an estimate of bad debts expense, and those estimates were used as tax deductions for ratemaking purposes. TRA will replace the process of estimating bad debts with the use of actual experience. TRA also eliminates the reserve for bad debts over the next four years, and recaptures tax deductions that were used in prior years for book and ratemaking purposes. As a result, a revenue requirement will result over the next four years to reflect this tax law change.

Deferred Taxes

Because of the reduction in the tax rate and tax depreciation lives, the Company estimates that its deferred taxes will decrease by approximately $38,500 in 1987. This reduction reflects some of the cash flow that the Company will lose due to the changes in the method of calculating tax depreciation. The Company would note for the Commission's consideration, that this change in the deferred taxes will once again be a loss in cash flow to Missouri-American, and will be another factor contributing to the need to finance construction with expensive external capital that could have, and would have, previously been constructed using internally-generated cash dollars.

Normalization Requirements

Missouri-American has only used deferred taxes and normalization since the inception of ACRS depreciation rates. As a result, the difference between its deferred tax reserve accumulated at 46%, and accumulated at 34%, is rather insignificant. Additionally, the Company would note that the Tax Reform Act does provide for the flow-back of the differences in the two reserves over the average service life of the property that was used to accumulate the reserve. The Company has accounting procedures currently in place to maintain the records necessary to comply with the tax law requirements.

Alternative Minimum Taxes

Missouri-American does not feel that the alternative minimum tax requirements will immediately impact Missouri-American. However, it would note for the Commission's information, that the record-keeping necessary to compute the alternative minimum tax will still be necessary, in order to compute the environmental taxes to be paid as Superfund taxes. While the initial burden of additional record-keeping for AMT would appear minimal, it would appear that it will accelerate over time, since it is necessary to keep several calculations of tax depreciation. As a result, the record-keeping associated with this tax law change could result in a considerable expense at some later point in time for Missouri-American.

Other Tax Law Changes

Missouri-American has reflected, in the taxable net income calculations enclosed for filing, other tax law changes, such as the 80% deductibility of certain meals and entertainment expenses, and changes in the capitalization of interest and other expenses that impact current taxes. The Company would also note for the Commission's information, that some of the tax law changes will impact its pension program and other benefit programs. While the full impact of these changes are uncertain at this time, it would appear that such programs will increase revenue requirements in the future.

In summary, Missouri-American Water Company feels that its existing rates are reasonable, and that tax rate reductions generated by the 1986 Tax Reform Act do not materially affect the Company's existing revenue requirement, after considering offsetting increases in taxable net income, and increases in plant investment and other expenses currently being supported by those rates.

The Company would propose that it be excluded from the Commission Staff's list of companies required to discuss the impact of the 1986 Tax Reform Act. It seems clear, from the enclosed information that, as a result of the changes mandated by the 1986 Tax Reform Act, Missouri-American's current rates are not excessive. The Company feels that financial information for the year 1987 and 1988 must also be considered, and after that consideration, its position on this issue would only be strengthened.

Further, the Company would note that the changes in the tax law may only enable the Company to delay rate increases necessary to support the tremendous increase in its investment which has already been made since its last rate case, and the $1,400,000 investment scheduled for 1987. As a result, it is Missouri-American's position that it is not necessary for Missouri-American to file interim tariffs on or before July 1, 1987, reflecting any change in its existing tariff rates, as proposed by the Staff.

If you have any questions regarding the enclosed data, please give me a call.

Sincerely,

James E Harrison

J. E. Harrison
Assistant Treasurer

JEH/mc
Enclosures

Cc w/enclosures:
Office of the Public Counsel

Statement of Income Per Books and Pro Forma
for the Twelve Months Ended December 31, 1986
using 1987 Federal Income Tax Rates

Missouri Public Service Commission

Company Missouri-American Water Company

Case No. AO-87-48

Year Ended December 31, 1986

Page 1 of 6

Line No.		Twelve Months Ended Dec. 31, 1986	Adjustments	Pro Forma Present Rates	Adjustments	Pro Forma Proposed Rates
1						
2						
3						
4		(Col. 1)	(Col. 2)	(Col. 3)	(Col. 4)	(Col. 5)
5	Operating Revenues	$9,797,353	$ 0	$9,797,353	$264,013	$10,061,366
6	Operating Expenses					
7	Operation and maintenance expenses	4,925,657		4,925,657		4,925,657
8	Depreciation expense	562,345		562,345		562,345
9	Amortization of limited term utility plant	2,721		2,721		2,721
10	Taxes other than income:					
11	Real and personal property taxes	274,396		274,396		274,396
12	Public Service Commission fee	37,295		37,295		37,295
13	Other general taxes	9,238		9,238		9,238
14	Federal unemployment tax	3,865		3,865		3,865
15	Federal insurance contributions act tax	144,136		144,136		144,136
16	State unemployment tax	6,248		6,248		6,248
17	Income taxes:					
18	Federal income tax	782,665	173,277	955,942	102,372	1,058,314
19	State income tax	64,929	10,540	75,469	8,082	83,551
20	Deferred FIT - accelerated depreciation	220,261	(36,724)	183,537		183,537
21	Deferred SIT - accelerated depreciation	20,565	(859)	19,706		19,706
22	Deferred FIT - other	65,589	(2,372)	63,217		63,217
23	Deferred SIT - other	5,451	1,462	6,913		6,913
24	Deferred FIT - investment tax credit	0	0	0		0
25	Amortization of investment tax credit	(28,610)	0	(28,610)		(28,610)
26	Total operating expenses	7,096,751	145,324	7,242,075	110,454	7,352,529
27	Utility Operating Income	$2,700,602	($145,324)	$2,555,278	$153,559	$2,708,837

Calculation of Federal and State Income Taxes at Present Rates and at Proposed Rates using 1987 Federal Income Tax Rates

Missouri Public Service Commission

Company Missouri-American Water Company

Case No. AO-87-48

Year Ended December 31, 1986

Page 2 of 6

Line No.		At Present Rates Federal	At Present Rates State	At Proposed Rates Federal	At Proposed Rates State
1		At Present Rates		At Proposed Rates	
2		Federal	State	Federal	State
3	Utility Operating Income	$2,555,278	$2,555,278	$2,708,837	$2,708,837
4	Deduct: Interest costs	1,252,473	1,252,473	1,252,473	1,252,473
5	Add: Federal income tax	955,942		1,058,314	
6	State income tax		75,469		83,551
7	Depreciation book basis	562,345	562,345	562,345	562,345
8	Amortization - book basis	2,721	2,721	2,721	2,721
9	Deferred federal income tax - accelerated depreciation	183,537	183,537	183,537	183,537
10	Deferred state income tax - accelerated depreciation	19,706	19,706	19,706	19,706
11	Deferred federal income tax - other	63,217	63,217	63,217	63,217
12	Deferred state income tax - other	6,913	6,913	6,913	6,913
13	Deferred federal income tax - investment tax credit	0	0	0	0
14	Amortization of investment tax credit	(28,610)	(28,610)	(28,610)	(28,610)
15	New tax law changes (See workpapers)	495,738	495,738	495,738	495,738
16	Total add backs	2,261,509	1,381,036	2,363,881	1,389,118
17	Deduct: Depreciation-tax basis	1,169,099	1,169,099	1,169,099	1,169,099
18	Balance	2,395,215	1,514,742	2,651,146	1,676,383
19	Less: Preferred dividend paid credit	5,360	5,360	5,360	5,360
20	Taxable Income	2,389,855	1,509,382	2,645,786	1,671,023
21	Tax Computation				
22	State income tax @ 5%		$75,469		$83,551
23	Federal income tax @ 40%	955,942		1,058,314	
24	Less: Investment tax credit	0		0	
25	Net federal income tax	$955,942		$1,058,314	

Original Cost Rate Base
using 1987 Federal Income Tax Rates

Missouri Public Service Commission

Company Missouri-American Water Company

Case No. AO-87-48

Year Ended December 31, 1986

Page 3 of 6

Line No.		Per Books Dec. 31, 1986	Adjustments	Pro Forma Rate Base
1				
2				
3	Utility plant in service	$33,670,313	$	$33,670,313
4	Less: Accum. prov. for depreciation and amortization	7,355,873		7,355,873
5	Net utility plant	26,314,440	0	26,314,440
6	Deduct:			
7	Accumulated deferred investment tax credit	98,734		98,734
8	Customer advances	1,038,333		1,038,333
9	Contributions in aid of construction (Net)	840,872		840,872
10	Deferred taxes - accelerated depreciation	748,012	(37,583)	710,429
11	Total deductions	2,725,951	(37,583)	2,688,368
12	Add:			
13	Cash working capital	390,657 *		390,657 *
14	Materials and supplies	256,000		256,000
15	Total additions	646,657	0	646,657
16	Original Cost Rate Base	$24,235,146	$37,583	$24,272,729

17 * Cash working capital granted in Company's last rate Order.

Pro Forma Rate of Return Summary

Missouri Public Service Commission

Company Missouri-American Water Company

Case No. AO-87-48

Year Ended December 31, 1986

Line No.	Class of Capital	Amount	Percent of Total	Cost Percentage	Cost of Capital
1					
2					
3	Long-term debt	$13,836,168	56.47%	9.13%	5.16%
4	Notes payable	691,000	2.82%	7.00%	0.20%
5	Preferred equity	358,921	1.46%	4.71%	0.07%
6	Common equity	9,616,483	39.25%	14.60%	5.73%
7	Total capitalization	$24,502,572	100.00%		11.16%

Pro Forma Cost of Long-Term Debt

Missouri Public Service Commission

Year Ended December 31, 1986

Company Missouri-American Water Company

Case No. AO-87-48

Line No.	Debt Issue Type Coupon Rate (Col.1)	Date Issued (Col.2)	Maturity Date (Col.3)	Principal Amount (Col.4)	Face Amount Outstanding (Col.5)	Unamortized Debt Expense (Col.6)	Net Proceeds (Col.7)	Annual Interest (Col.8)	Annual Amortization (Col.9)	Total Annual Cost (Col.10)
1										
2										
3										
4										
5	Long-Term Debt									
6	First Mortgage Bonds									
7	Series D, 4.95%	10/15/64	8/1/94	$500,000	$500,000	$4,278	$495,722	$24,750	$564	$25,314
8	Series E, 4.90%	12/4/64	11/1/89	1,250,000	1,250,000	2,303	1,247,697	61,250	813	62,063
9	General Mortgage Bonds									
10	10 1/2% Series	11/6/75	8/1/95	500,000	390,000	10,760	379,240	40,950	1,254	42,204
11	12 1/4% Series	11/13/80	10/1/00	3,200,000	2,880,000	39,569	2,840,431	352,800	2,888	355,688
12	11.7% Series	6/23/83	2/24/89	1,000,000	1,000,000	10,495	989,505	117,000	4,939	121,939
13	7 3/8% Series	9/10/68	7/1/93	3,350,000	3,350,000	5,563	3,344,437	247,063	856	247,919
14	9 1/4% Series	6/7/71	4/1/96	600,000	600,000	5,218	594,782	55,500	564	56,064
15	8.66% Series	10/31/86	9/1/96	4,000,000	4,000,000	55,646	3,944,354	346,400	5,757	352,157
16	Total			$14,400,000	$13,970,000	$133,832	$13,836,168	$1,245,713	$17,635	$1,263,348
17	Cost of Long-Term Debt									
18	(Col. 10/Col. 7)									9.13%

Pro Forma Cost of Preferred Stock

Missouri Public Service Commission

Company Missouri-American Water Company

Case No. AO-87-48

Year Ended December 31, 1986

Line No.	Dividend Rate Type, Par Value (Col.1)	Date Issued (Col.2)	Principal Amount (Col.3)	Face Amount Outstanding (Col.4)	Unamortized Issue Expense (Col.5)	Carrying Value (Col.6)	Annual Dividends (Col.7)	Annual Amortization (Col.8)	Total Annual Cost (Col.9)
5	Cumulative Preferred Stock								
6	4.65% Series $100								
7	Par Value	1/1/84	$230,000	$170,000	$3,350	$166,650	$7,905	$394	$8,299
8	4 1/4% Series $100								
9	Par Value	12/28/49	700,000	196,000	3,729	192,271	8,330	266	8,596
10	Total		$930,000	$366,000	$7,079	$358,921	$16,235	$660	$16,895
11	Cost of preferred stock								
12	(Col.9/Col.6)								4.71%

MISSOURI-AMERICAN WATER COMPANY
AN AMERICAN WATER WORKS SYSTEM COMPANY

These workpapers support various per book rate base, capital, and income statement items.

MISSOURI PUBLIC SERVICE COMMISSION

TOTAL COMPANY
FINANCIAL DATA

COMPANY NUMBER 4164
COMPANY NAME:

December 1986
(Month-Year)

Monthly Financial Report

Missouri-American Water Co.

Line No.		Amount (in Dollars)	Amount (in Dollars)
	Total Company Rate Base		
101	Total Plant in Service (1)		33,670,313
102	Less: Depreciation Reserve	7,355,873	
103	Net Plant in Service		26,314,440
104	Add: Materials and Supplies	246,233	
105	Less: Advances for Construction	1,038,333	
106	Less: Contributions in Aid of Construction	840,872	
107	Less: Deferred Income Taxes	1,037,221	
108	Less: Unamortized Investment Tax Credits Prior to 1971	98,734	
109	Total Company Rate Base		23,545,513
110	Construction Work in Progress	97,653	
111	Total Including CWIP		23,643,166
	Total Company Capitalization		
112	Common Stock Equity, Net	9,616,483	
113	Preferred Stock (Par or stated value outstanding)	366,000	
114	Long-term Debt (including current maturities)	13,970,000	
115	Sub-Total		23,952,483
116	Short-term Debt	691,000	
117	Total		24,643,483

(1) Includes completed construction not classified.
(2) All Company's operations are Missouri jurisdictional.

MISSOURI PUBLIC SERVICE COMMISSION

TOTAL COMPANY
FINANCIAL DATA

COMPANY NUMBER 4164
COMPANY NAME: Missouri-American Water Co.

December 1986
(Month-Year)

Monthly Financial Report

Line No.		Amount (in Dollars)	Amount (in Dollars)
	Total Company Operating Statement		
201	Operating Revenues		9,797,353
202	Operation Expenses	4,203,308	
203	Maintenance Expenses	722,349	
204	Depreciation & Amortization Expenses	565,066	
205	Taxes, Other Than Income Taxes	475,178	
206	Income Taxes - Current, Federal & State	847,594	
207	Provision for Deferred Income Taxes, Net	311,866	
208	Investment Tax Credit Adj., Net	(28,610)	
209	Total Operating Expenses		7,096,751
210	Net Operating Income		2,700,602
211	Non-Operating Income/Expenses, Net (1)	(4,105)	
212	Gross Income		2,696,497
213	Interest on Long-Term Debt	982,376	
214	Amortization Debt Discount/Premium, Net	13,220	
215	Interest on Short-term Debt	233,253	
216	Other Interest	622	
217	Gross Interest Expense		1,229,471
	Allowance for Funds Used During Construction - Credit: (2)		
218	Equity Component		
219	Debt Component		
220	Total AFUDC	2,830	
221	Net Interest Expense		1,226,641
222	Extraordinary Items, Net (1)	(378,406)	
223	Net Income		1,091,450
224	Preferred Dividend Requirements	17,357	
225	Amount Available for Common Equity		1,074,093
226	Twelve Months - Ended Common Dividend Declarations	1,134,962	

(1) () Denotes loss or decrease
(2) Present detail where applicable.
Prior to the Twelve Months-Ended January 31, 1977, show Total AFUDC only.
(3) All Company's operations are Missouri jurisdictional.

MISSOURI-AMERICAN WATER COMPANY
AN AMERICAN WATER WORKS SYSTEM COMPANY

These workpapers support deferred taxes on the income statement and tax deductions used on the tax computation.

Missouri-American Water Company
Deferred Taxes-Accelerated Depr.
Per Books 1986 at 1987 Rates

	Joplin District	St. Joseph District	Total
New Tax Law - 1986 @ 1987 Rates			
Deferred FIT @ 40%	$77,205	$106,332	$183,537
Deferred SIT	8,289	11,417	19,706
Total	$85,494	$117,749	$203,243
Tax Depreciation: Prior to 1981	$215,191	$301,714	$516,905
1981 - 1986	268,088	384,106	652,194
Total	$483,279	$685,820	$1,169,099
Old Tax Law-1986 at Old Tax Rates			
Deferred FIT @ 46%	$91,725	$128,536	$220,261
Deferred SIT	8,564	12,001	20,565
Total	$100,289	$140,537	$240,826
Tax Depreciation: Prior to 1981	$215,191	$301,714	$516,905
1981 - 1986	271,627	396,976	668,603
Total	$486,818	$698,690	$1,185,508

At. 1987 Rates

JOPLIN DISTRICT

DEFERRED ACCELERATED DEPRECIATION COMPUTATION
DECEMBER ONLY

	TAX BASE PROPERTY	RATE	NORMAL DEPRECIATION
NORMAL DEPRECIATION			
1981 ADDITIONS	112905	1.77%	1998
1982 ADDITIONS	521317	2.71%	14128
1983 ADDITIONS	259956	2.72%	7071
1984 ADDITIONS	951483	2.42%	23026
1985 ADDITIONS	343721	2.26%	7768
1986 ADDITIONS	1,332,964 ~~1007177~~	0.96%	~~9669~~ 12,796
NORMAL DEPRECIATION			~~63660~~ 66,787

DEFERRED CALCULATION

		46%	40% New Tax Law
ACCELERATED DEPRECIATION (81 & subsequent)		271627	268,088
NORMAL DEPRECIATION (as calculated)		63660	66,787
	EXCESS	207967	201,301
	STATE*	8564	8,289
	EXCESS	199403	193,012
	FEDERAL	91725	77,205

* THE EFFECTIVE TAX RATES USED IN THE STATE
CALCULATION: STATE .0504643
FEDERAL .00928543

DECEMBER JOURNAL ENTRY

	STATE	FEDERAL
ANNUAL PROVISION	8564	91725
PROVISION TO DATE	7278	77947
DECEMBER ENTRY	1286	13778

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

ST. JOSE DISTRICT

At 1987 Rates

DEFERRED ACCELERATED DEPRECIATION COMPUTATION
DECEMBER ONLY

	TAX BASE PROPERTY	RATE	NORMAL DEPRECIATION
NORMAL DEPRECIATION			
1981 ADDITIONS	324273	2.21%	7166
1982 ADDITIONS	483759	3.00%	14513
1983 ADDITIONS	587015	2.34%	13736
1984 ADDITIONS	1585193	2.37%	37569
1985 ADDITIONS	452929	4.28%	19385
1986 ADDITIONS	1,260,117 ~~1146061~~	1.15%	~~13180~~ 14,491
NORMAL DEPRECIATION			~~105549~~ 106,860

DEFERRED CALCULATION

		462	40% New Tax Law
ACCELERATED DEPRECIATION (81 & subsequent)		396976	384,106
NORMAL DEPRECIATION (as calculated)		105549	106,860
	EXCESS	291427	277,246
	STATE*	12001	11,417
	EXCESS	279426	265,829
	FEDERAL	128536	106,332

* THE EFFECTIVE TAX RATES USED IN THE STATE CALCULATION: STATE .0504643
FEDERAL .00928543

DECEMBER JOURNAL ENTRY

	STATE	FEDERAL
ANNUAL PROVISION	12001	128536
PROVISION TO DATE	10540	112890
DECEMBER ENTRY	1461	15646

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

REQUEST NO. 017
REPORT NO. 270
RUN DATE 01/26/87
RUN TIME 14.40.23

MISSOURI-AMERICAN 683
TAX LEDGER REPORT
JAN, 1986 THRU DEC, 1986

BOOK 2

FAS REL 9.2

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
								1/2 ITC				
JOPLIN DISTRICT	320											
PROPERTY CATEGORY	BLD											
81BLDGIN JP BUILDINGS	11/81	ACR	180	I	0	0	5,537.00	.00	5,537.00	387.59	2,602.39	2,934.61
82-BLDGS JP BUILDINGS	07/82	ACR	180	I	0	0	1,095.00	.00	1,095.00	87.60	481.38	613.62
82-BLDG1 JP BUILDINGS	03/82	ACR	180	I	0	0	42,226.00	.00	42,226.00	2,955.82	19,001.70	23,224.30
82-BLDG2 JP BUILDINGS	12/82	ACR	180	I	0	0	37,029.00	.00	37,029.00	2,962.32	14,811.60	22,217.40
82-BLDG3 JP BUILDINGS	11/82	SLN	199	D	0	0	4,393.00	.00	4,393.00	264.91	1,103.63	3,289.37
83-BLDGS JP BUILDINGS	07/83	ACR	180	I	0	0	14,224.00	.00	14,224.00	1,280.16	5,120.64	9,103.36
84-BLDGS JP BUILDINGS	07/84	ACR	216	M	0	0	58,780.00	.00	58,780.00	4,702.40	13,519.40	45,260.60
85-BLDGS JP BUILDINGS	06/85	ACR	216	M	0	0	12,886.00	.00	12,886.00	1,159.74	1,804.04	11,081.96
86-BLDGS JP BUILDINGS 31.5 Yr. S.L.	02/86	ACR	216	M	0	0	26,772.00	.00	26,772.00 X 1.59% =	~~2,409.48~~ 425.67 (A)	2,409.48	24,362.52
PROPERTY CATEGORY	BLD		TOTALS				202,942.00	.00	202,942.00	~~16,210.02~~ 14,226.21	60,854.26	142,087.74
PROPERTY CATEGORY	CAR											
83--CARS JP CARS	07/83	ACR	036	A	3	P	17,917.00	537.50	17,379.50	.00	17,379.50	.00
85--CARS JP CARS	02/85	ACR	036	F	3	P	26,081.00	782.43	25,298.57	9,613.46	15,938.10	9,360.47

(A) New Rate for Structures (Tax Reform Act) 3.1746 (100 ÷ 31.5 Yrs) 1/2 Rate for 1986 Is 1.5873 % Rounded To 1.59%.

REQUEST NO. 017 MISSOURI-AMERICAN 683 PAGE 2
REPORT NO. 270
RUN DATE 01/26/87 TAX LEDGER REPORT BOOK 2
RUN TIME 14.40.23 JAN, 1986 THRU DEC, 1986 FAS REL 9.2

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	MYC	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
								1/2 ITC				
JOPLIN DISTRICT	320											
PROPERTY CATEGORY	CAR											
86--CARS JP	04/86	ACR	036	F	0	0		.00		~~2,229.50~~ (B)		6,688.50
CARS 5 YR.	200%	D.D.B.					8,918.00		8,918.00	X.20% = 1,783.60	2,229.50	
PROPERTY CATEGORY	CAR		TOTALS					1,319.93		~~11,842.96~~		16,048.97
							52,916.00		51,596.07	11,397.06	35,547.10	
PROPERTY CATEGORY	HTK											
84H-TRKS JP	07/84	ACR	060	A	3	6		994.50		3,967.42		7,934.85
HEAVY TRUCKS							19,887.00		18,892.50		10,957.65	
PROPERTY CATEGORY	HTK		TOTALS					994.50		3,967.42		7,934.85
							19,887.00		18,892.50		10,957.65	
PROPERTY CATEGORY	INT											
84-INTAN JP	07/84	ACR	180	A	0	0		.00		.00		18,152.00
INTANGIBLES							18,152.00		18,152.00		.00	
PROPERTY CATEGORY	INT		TOTALS					.00		.00		18,152.00
							18,152.00		18,152.00		.00	
PROPERTY CATEGORY	LAN											
81-LANDN JP	07/81	SLN	120	A	0	0		.00		.00		7.00
LAND							7.00		7.00		.00	
PROPERTY CATEGORY	LAN		TOTALS					.00		.00		7.00
							7.00		7.00		.00	
PROPERTY CATEGORY	LTK											
83LT-TRK JP	07/83	ACR	036	A	3	P		510.00		.00		.00
LIGHT TRUCKS							17,003.00		16,493.00		16,493.00	

(B) New Rate For Cars - 5 Yr Life And 200% D.D.B. Method - First Yr Normal Rate Would Be (100 ÷ 5 Yr = 20% - 1/2 Rate 10%) - 200% D.D.B Rate Would Be 20%.

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
								1/2 ITC				
JOPLIN DISTRICT 320												
PROPERTY CATEGORY LTK												
84LT-TRK JP LIGHT TRUCKS	07/84	ACR	036	A	3	P	28,115.00	843.50	27,271.50	10,090.45	27,271.50	.00
85LT-TRK JP LIGHT TRUCKS	07/85	ACR	036	F	3	P	8,098.00	242.94	7,855.06	2,984.93	4,948.69	2,906.37
86LT-TRK JP LIGHT TRUCKS 5 YR. 200% D.D.B.	05/86	ACR	036	F	0	0	37,954.00	.00	37,954.00 X .20%	~~9,488.50~~ 7,590.80	C 9,488.50	28,465.50
PROPERTY CATEGORY LTK TOTALS							91,170.00	1,596.44	89,573.56	~~22,563.88~~ 20,666.18	58,201.69	31,371.87
PROPERTY CATEGORY OEQ												
82-OFEQP JP OFFICE EQUIPMENT	07/82	ACR	060	A	1	6	1,996.00	.00	1,996.00	419.16	1,996.00	.00
83-OFEQP JP OFFICE EQUIPMENT	07/83	ACR	060	A	3	6	16,531.00	826.50	15,704.50	3,297.95	12,406.56	3,297.94
84-OFEQP JP OFFICE EQUIPMENT	07/84	ACR	060	A	3	6	13,272.00	663.50	12,608.50	2,647.78	7,312.93	5,295.57
85-OFEQP JP OFFICE EQUIPMENT	02/85	ACR	060	F	3	6	13,206.00	660.30	12,545.70	2,760.06	4,641.91	7,903.79
86-OFEQP JP OFFICE EQUIPMENT 7 YR. 200% D.D.B.	02/86	ACR	060	F	0	0	41,646.00	.00	41,646.00 × 14.29% = 5,946.93	~~6,246.90~~	D 6,246.90	35,399.10
PROPERTY CATEGORY OEQ TOTALS							86,651.00	2,150.30	84,500.70	~~15,371.85~~ 15,071.88	32,604.30	51,896.40
PROPERTY CATEGORY OFF												
83-OFF&F JP OFFICE FURN & FIXT	07/83	ACR	060	A	3	6	2,466.00	123.50	2,342.50	491.93	1,850.58	491.92

C Normal 1st Yr. Rate (100 ÷ 5 Yrs = 20% - 1/2 1st Yr 10%) - 200% D.D.B. Rate Is 10% x 2 = 20%

D Normal 1st Yr Rate (100 - 7 Yrs = 14.286% 1st Yr 7.143%) - 200% D.D.B. Rate Is 7.143% x2 = 14.286%
Rounded To 14.29%

1/2 ITC

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
JOPLIN DISTRICT	320											
PROPERTY CATEGORY	OFF											
84-OFF&F JP OFFICE FURN & FIXT	07/84	ACR	060	A	3	6	1,106.00	55.50	1,050.50	220.60	609.29	441.21
85-OFF+F JP OFFICE FURN & FIXT	12/85	ACR	060	F	3	6	5,301.00	265.05	5,035.95	1,107.91	1,663.30	3,172.65
86-OFF+F JP OFFICE FURN & FIXT 7 yr 200% D.D.B.	12/86	ACR	060	F	0	0	658.00	.00	658.00 x 14.29% = 94.03	~~98.70~~ D	98.70	559.30
PROPERTY CATEGORY OFF TOTALS							9,531.00	444.05	9,086.95	~~1,919.14~~ 1,914.47	4,421.87	4,665.08
PROPERTY CATEGORY	RTW											
82-EASEM JP RIGHTS OF WAY	07/82	SLA	180	A	0	0	37.00	.00	37.00	2.47	11.09	25.91
84RTSWAY JP RIGHTS OF WAY	07/84	ACR	180	A	0	0	19.00	.00	19.00	1.71	4.56	14.44
86RTSWAY JP RIGHTS OF WAY Still Use S.L.	06/86	SL	180	A	0	0	80.00	.00	80.00	2.67	2.67	77.33
PROPERTY CATEGORY RTW TOTALS							136.00	.00	136.00	6.85	18.32	117.68
PROPERTY CATEGORY	SOF											
84-SOFTW JP SOFTWARE	07/84	SL	060	A	0	0	300.00	.00	300.00	60.00	150.00	150.00
85-SOFTW JP SOFTWARE	12/85	SL	060	A	0	0	475.00	.00	475.00	95.00	142.50	332.50
86-SOFTW JP SOFTWARE Still Use S.L.	06/86	SL	060	A	0	0	1,207.00	.00	1,207.00	120.70	120.70	1,086.30
PROPERTY CATEGORY SOF TOTALS							1,982.00	.00	1,982.00	275.70	413.20	1,568.80

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
								1/2 ITC				
JOPLIN DISTRICT	320											
PROPERTY CATEGORY	WTR											
8149300N JP WATER PROPERTY	07/81	ACR	180	A	1	6	107,368.00	.00	107,368.00	7,515.76	49,389.28	57,978.72
82-WATER JP WATER PROPERTY	07/82	ACR	180	A	1	6	434,541.00	.00	434,541.00	30,417.87	169,470.99	265,070.01
83-WATER JP WATER PROPERTY	07/83	ACR	180	A	3	6	203,349.00	10,167.70	193,181.30	15,454.51	62,326.41	130,854.89
84-WATER JP WATER PROPERTY	07/84	ACR	180	A	3	6	876,380.00	43,818.90	832,561.10	74,930.49	199,814.66	632,746.44
85-WATER JP WATER PROPERTY	01/85	ACR	180	F	3	6	294,342.00	14,717.10	279,624.90	27,962.50	41,943.74	237,681.16
86-WATER JP WATER PROPERTY 20 YR. 150% D.D.B.	01/86	ACR	180	F	0	0	1,215,726 ~~889,939.00~~	.00	1,215,726 ~~889,939.00~~ x 3.75%	~~44,496.95~~ = 45,581.73	(E) 44,496.95	845,442.05
PROPERTY CATEGORY	WTR		TOTALS				2,805,919.00	68,703.70	2,737,215.30	~~200,778.08~~ 201,870.76	567,442.03	2,169,773.27
JOPLIN DISTRICT	320		TOTALS				3,289,293.00	75,208.92	3,214,084.08	~~272,935.90~~ 269,396.63	770,460.42	2,443,623.66

JOPLIN DISTRICT	OLD TAX LAW	NEW TAX LAW	DIFFERENCE
1981-1986 TAX DEPR.	\$272,936	\$269,397	\$3,539
LESS: EASEMENTS & RIGHTS OF WAY	1,309	1,309	—
	\$271,627	\$268,088	\$3,539

(E) NORMAL 1ST YR RATE (100 ÷ 20 YRS = 5% - 1/2 1ST YR 2.5%) - 150% D.D.B. - 2.5% x 1.5 = 3.75%

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MISSOURI-AMERICAN 683

TAX LEDGER REPORT
JAN, 1986 THRU DEC, 1986

BOOK 2

FAS REL 9.2

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
ST. JOSEPH DISTRICT 680 PROPERTY CATEGORY BLD								1/2 ITC				
81BLDG1N SJ BUILDINGS	06/81	ACR	180	I	0	0	99.00	.00	99.00	6.93	49.50	49.50
81BLDG2N SJ BUILDINGS	09/81	ACR	180	I	0	0	2,023.00	.00	2,023.00	141.61	991.27	1,031.73
81BLDG3N SJ BUILDINGS	05/81	ACR	180	I	0	0	564.00	.00	564.00	39.48	287.64	276.36
81BLDG4N SJ BUILDINGS	12/81	ACR	180	I	0	0	122.00	.00	122.00	8.54	57.34	64.66
82-BLDGS SJ BUILDINGS	07/82	ACR	180	I	0	0	10,415.00	.00	10,415.00	833.20	4,582.60	5,832.40
83-BLDGS SJ BUILDINGS	07/83	ACR	180	I	0	0	20,495.00	.00	20,495.00	1,844.55	7,378.20	13,116.80
84-BLDGS SJ BUILDINGS	07/84	ACR	216	M	0	0	1,889.00	.00	1,889.00	151.12	434.47	1,454.53
84-WTSTR SJ BUILDINGS	07/84	ACR	180	A	3	6	55,076.00	2,754.00	52,322.00	4,708.98	12,557.28	39,764.72
85-BLDGS SJ BUILDINGS	03/85	ACR	216	M	0	0	6,107.00	.00	6,107.00	549.63	1,038.19	5,068.81
85-WTSTR SJ BUILDINGS	07/85	ACR	216	M	3	6	2,369.00	118.45	2,250.55	202.55	292.57	1,957.98
86-BLDGS SJ BUILDINGS 31.5 Yr. S.L.	01/86	ACR	216	M	0	0	18,973.00	.00	18,973.00 X 1.59% =	~~1,707.57~~ 301.67	(A) 1,707.57	17,265.43
PROPERTY CATEGORY BLD TOTALS							118,132.00	2,872.45	115,259.55	~~10,194.16~~ 8,778.26	29,376.63	85,882.92
PROPERTY CATEGORY CAR												
84--CARS SJ CARS	07/84	ACR	036	A	3	P	21,763.00	653.00	S.L. 21,110.00	7,810.70	21,110.00	.00

(A) 1/2 Yr. Rate In 1985 (100 ÷ 31.5 Yr. = 3.1746 % 1/2 Rate Is 1.5873 %) - Rounded To 1.59%

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REPORT NO. 270
RUN DATE 01/26/87 TAX LEDGER REPORT BOOK 2
RUN TIME 14.40.23 JAN, 1986 THRU DEC, 1986 FAS REL 9.2

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	MYC	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
								1/2 ITC				
ST. JOSEPH DISTRICT 680												
PROPERTY CATEGORY CAR												
85--CARS SJ CARS	02/85	ACR	036	F	3	P	37,870.00	1,136.10	36,733.90	13,958.89	23,142.36	13,591.54
86--CARS SJ CARS 5 Yr. 200% D.D.B.	01/86	ACR	036	F	0	0	8,834.00	.00	8,834.00 × 20% =	~~2,208.50~~ 1,766.80	(B) 2,208.50	6,625.50
PROPERTY CATEGORY CAR TOTALS							68,467.00	1,789.10	66,677.90	~~23,978.09~~ 23,536.39	46,460.86	20,217.04
PROPERTY CATEGORY HTK												
85H-TRKS SJ HEAVY TRUCKS	03/85	ACR	060	F	3	6	15,312.00	765.60	14,546.40	3,200.21	5,382.17	9,164.23
PROPERTY CATEGORY HTK TOTALS							15,312.00	765.60	14,546.40	3,200.21	5,382.17	9,164.23
PROPERTY CATEGORY INT												
84-INTAN SJ INTANGIBLES	07/84	ACR	180	A	0	0	22,725.00	.00	22,725.00	.00	.00	22,725.00
PROPERTY CATEGORY INT TOTALS							22,725.00	.00	22,725.00	.00	.00	22,725.00
PROPERTY CATEGORY LTK												
8100241N SJ LIGHT TRUCKS	07/81	ACR	036	A	1	P	85.00	.00	85.00	.00	85.00	.00
82LT-TRK SJ LIGHT TRUCKS	07/82	ACR	036	A	1	P	16,675.00	.00	16,675.00	.00	16,675.00	.00
83LT-TRK SJ LIGHT TRUCKS	07/83	ACR	036	A	3	P	31,203.00	936.00	30,267.00	.00	30,267.00	.00

(B) Normal Rate 1st Year - 10.00% × 2 = 20%

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TAX LEDGER REPORT
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BOOK 2

FAS REL 9.2

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION ½ ITC	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
ST. JOSEPH DISTRICT 680 PROPERTY CATEGORY LTK												
84LT-TRK SJ LIGHT TRUCKS	07/84	ACR	036	A	3	P	32,834.00	985.00	31,849.00	11,784.13	31,849.00	.00
85LT-TRK SJ LIGHT TRUCKS	04/85	ACR	036	F	3	P	18,197.00	545.91	17,651.09	6,707.[illegible]2	11,120.19	6,530.90
86LT-TRK SJ LIGHT TRUCKS 5 YR. 200% D.D.B.	03/86	ACR	036	F	0	0	45,108.00	.00	45,108.00 X .20%	~~11,277.00~~ 9,021.60	C 11,277.00	33,831.00
PROPERTY CATEGORY LTK TOTALS							144,102.00	2,466.91	141,635.09	~~29,768.55~~ 27,513.15	101,273.19	40,361.90
PROPERTY CATEGORY OEQ												
8100130N SJ OFFICE EQUIPMENT	07/81	ACR	060	A	1	6	1,363.00	.00	1,363.00	.00	1,363.00	.00
82-OFEQP SJ OFFICE EQUIPMENT	07/82	ACR	060	A	1	6	1,865.00	.00	1,865.00	391.65	1,865.00	.00
83-OFEQP SJ OFFICE EQUIPMENT	07/83	ACR	060	A	3	6	2,553.00	127.50	2,425.50	509.36	1,916.15	509.35
84-OFEQP SJ OFFICE EQUIPMENT	07/84	ACR	060	A	3	6	13,101.00	655.00	12,446.00	2,613.66	7,218.68	5,227.32
85-OFEQP SJ OFFICE EQUIPMENT	10/85	ACR	060	F	3	6	.00	.00	.00	.00	.00	.00
86-OFEQP SJ OFFICE EQUIPMENT 7 YR. 200% D.D.B.	02/86	ACR	060	F	0	0	52,638.00	.00	52,638.00 X 14.292 =	~~7,895.70~~ 7,521.97	D 7,895.70	44,742.30
PROPERTY CATEGORY OEQ TOTALS							71,520.00	782.50	70,737.50	~~11,410.37~~ 11,036.64	20,258.53	50,478.97
PROPERTY CATEGORY OFF												
8100110N SJ OFFICE FURN & FIXT	07/81	ACR	060	A	1	6	1,719.00	.00	1,719.00	.00	1,719.00	.00

C Normal Rate 1st YR - 10% X 2 = 20%

D Normal Rate 1st YR (100 - 7 YRS = 14.286% 1st YR 7.143%) - 200% D.D.B. Rate Is 7.143% X 2 = 14.286%

1/2 ITC

ST. JOSEPH DISTRICT 680
PROPERTY CATEGORY OFF

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
82-OFF&F SJ OFFICE FURN & FIXT	07/82	ACR	060	A	1	6	2,751.00	.00	2,751.00	577.71	2,751.00	.00
83-OFF&F SJ OFFICE FURN & FIXT	07/83	ACR	060	A	3	6	3,214.00	160.50	3,053.50	641.24	2,412.27	641.23
84-OFF&F SJ OFFICE FURN & FIXT	07/84	ACR	060	A	3	6	4,371.00	218.50	4,152.50	872.02	2,408.45	1,744.05
85-OFF+F SJ OFFICE FURN & FIXT	01/85	ACR	060	F	3	6	2,089.00	104.45	1,984.55	436.60	734.28	1,250.27
86-OFF+F SJ OFFICE FURN & FIXT 7 Yr. 200% D.D.B.	02/86	ACR	060	F	0	0	1,708.00	.00	1,708.00 x 14.29% =	~~256.20~~ 244.07 D	256.20	1,451.80
PROPERTY CATEGORY OFF TOTALS							15,852.00	483.45	15,368.55	~~2,783.77~~ 2,771.64	10,281.20	5,087.35
PROPERTY CATEGORY RTW												
82-EASEM SJ RIGHTS OF WAY	07/82	SLA	180	A	0	0	374.00	.00	374.00	24.94	112.19	261.81
86RTSWAY SJ RIGHTS OF WAY Same as S.L.	07/86	SL	180	A	0	0	1,666.00	.00	1,666.00	55.53	55.53	1,610.47
PROPERTY CATEGORY RTW TOTALS							2,040.00	.00	2,040.00	80.47	167.72	1,872.28
PROPERTY CATEGORY SOF												
84-SOFTW SJ SOFTWARE	07/84	SL	060	A	0	0	300.00	.00	300.00	60.00	150.00	150.00
85-SOFTW SJ SOFTWARE	07/85	SL	060	A	0	0	1,375.00	.00	1,375.00	275.00	412.50	962.50

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
								1/2 ITC				
ST. JOSEPH DISTRICT 680												
PROPERTY CATEGORY SOF												
86-SOFTW SJ SOFTWARE Same As S.L.	06/86	SL	060	A	0	0	4,484.00	.00	4,484.00	448.40	448.40	4,035.60
PROPERTY CATEGORY SOF TOTALS							6,159.00	.00	6,159.00	783.40	1,010.90	5,148.10
PROPERTY CATEGORY WTR												
8149300N SJ WATER PROPERTY	07/81	ACR	180	A	1	6	318,298.00	.00	318,298.00	22,280.86	146,417.08	171,880.92
82-WATER SJ WATER PROPERTY	07/82	ACR	180	A	1	6	451,679.00	.00	451,679.00	31,617.53	176,154.81	275,524.19
83-WATER SJ WATER PROPERTY	07/83	ACR	180	A	3	6	558,709.00	27,935.95	530,773.05	42,461.85	169,300.41	361,472.64
84-WATER SJ WATER PROPERTY	07/84	ACR	180	A	3	6	1,538,025.00	76,901.50	1,461,123.50	131,501.11	350,669.65	1,110,453.85
85-WATER SJ WATER PROPERTY	01/85	ACR	180	F	3	6	391,875.00	19,593.75	372,281.25	37,228.13	55,842.19	316,439.06
86-WATER SJ WATER PROPERTY	01/86	ACR	180	F	0	0	1,126,705.43 1,012,649.00	.00	1,126,705.43 x 3.75% 1,012,649.00	~~50,632.45~~ = 42,251.45 (E)	50,632.45	962,016.55
PROPERTY CATEGORY WTR TOTALS							4,271,235.00	124,431.20	4,146,803.80	~~315,721.93~~ 307,340.93	949,016.59	3,197,787.21
ST. JOSEPH DISTRICT 680 TOTALS							4,735,544.00	133,591.21	4,601,952.79	~~397,920.95~~ 385,051.09	1,163,227.79	3,438,725.00

St. Joseph District	Old Tax Law	New Tax Law	Difference
1981-1986 Tax Depr.	$ 397,921	$ 385,051	$ 12,870
Less: Easements	945	945	—
Accel. Depr. Used To Calc. Def. Taxes	$ 396,976	$ 384,106	$ 12,870

(E) Normal Rate 1st Yr. - 2.5% x 1.5 = 3.75%

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
MISSOURI AMERICAN	683											
PROPERTY CATEGORY	WTR											
86-WATER WATER PROPERTY	03/86	ACR	180	F	3	6	.00	.00	.00	.00	.00	.00
PROPERTY CATEGORY	WTR		TOTALS				.00	.00	.00	.00	.00	.00
MISSOURI AMERICAN	683		TOTALS				.00	.00	.00	.00	.00	.00
MISSOURI-AMERICAN	683		TOTALS				8,024,837.00	208,800.13	7,816,036.87	670,856.85	1,933,688.21	5,882,348.66

COMP 683 MISSOURI-AMERICAN DIST COMP 320 JOPLIN DISTRICT

GRP CLSS	ASSET NO.	DESCRIPTION	N.D.B.	COST	QTY	TOTAL LIFE	DEPRECIATION CUMULATIVE	DEPR BEGIN	VINTAGE COST	D M	DEPR YEAR TO DATE
-LAND	80-LANDNJP	LAND-1980	4,207.00	4,207.00		010-00		07/80	4,207.00	0	
	GRP CLSS TOTAL		4,207.00	4,207.00					4,207.00		
BLDGS	70BLDGSNJP	BUILDINGS-1970	5,774.37	5,774.37		050-00	2,280.57	07/70	5,774.37	3	108.04
BLDGS	71BLDGSNJP	BUILDINGS-1971	74.15	74.15		045-00	30.22	07/71	74.15	3	1.50
BLDGS	72BLDGSNJP	BUILDINGS-1972	118.23	118.23		045-00	45.86	07/72	118.23	3	2.49
BLDGS	73BLDGSNJP	BUILDINGS-1973	42,553.07	42,553.07		045-00	15,771.87	07/73	42,553.07	3	927.84
BLDGS	74BLDGSNJP	BUILDINGS-1974	28,943.02	28,943.02		045-00	9,995.09	07/74	28,943.02	3	653.37
BLDGS	75BLDGSNJP	BUILDINGS-1975	6,346.61	6,346.61		045-00	2,048.37	07/75	6,346.61	3	148.20
BLDGS	76BLDGSNJP	BUILDINGS-1976	3,077.61	3,077.61		045-00	921.37	07/76	3,077.61	3	74.34
BLDGS	77BLDGSNJP	BUILDINGS-1977	151.23	151.23		045-00	39.63-	07/77	151.23	3	6.57
BLDGS	78BLDGSNJP	BUILDINGS-1978	106.21	106.21		045-00	26.52	07/78	106.21	3	2.74
BLDGS	79BLDGSNJP	BUILDINGS-1979	2,808.00	2,808.00		045-00	630.04	07/79	2,808.00	3	75.09
BLDGS	80BLDGSNJP	BUILDINGS-1980	53,571.00	53,571.00		045-00	10,558.90	07/80	53,571.00	3	1,483.17
	GRP CLSS TOTAL		143,523.50	143,523.50			42,269.18		143,523.50		3,483.35
BLDG1	76BLDG1NJP	BUILDING-1-1976	620.00	620.00		023-00	303.08	07/76	620.00	0	25.35
	GRP CLSS TOTAL		620.00	620.00			303.08		620.00		25.35
PRE54	00PRE54NJP	PROP ACQ PRE 54	1,997,315.71	1,997,315.71		050-00	1,660,983.31	07/53	1,997,315.71	1	40,401.05
	GRP CLSS TOTAL		1,997,315.71	1,997,315.71			1,660,983.31		1,997,315.71		40,401.05
PRE71	00PRE71NJP	PRE 1971 TRANSP	8,656.64	8,656.64		007-00	8,656.64	07/70	8,656.64	1	
	GRP CLSS TOTAL		9,656.64	8,656.64			8,656.64		8,656.64		
00100	7100100NJP	71-OFFICE EQUIP	845.93	845.93		008-00	1,443.93	07/71	1,443.93	1	
00100	7200100NJP	72-OFFICE EQUIP	744.86	744.86		008-00	1,258.86	07/72	1,258.86	1	
	GRP CLSS TOTAL		1,590.79	1,590.79			2,702.79		2,702.79		
00110	7700110NJP	77-OFF FURN-FIX	151.00	151.00		008-00	151.00	07/77	151.00	1	.04
00110	7900110NJP	79-OFF FURN-FIX	527.00	527.00		008-00	519.64	07/79	527.00	6	21.95
00110	8000110NJP	80-OFF FURN-FIX	1,508.00	1,508.00		008-00	1,424.19	07/80	1,508.00	6	104.72
	GRP CLSS TOTAL		2,186.00	2,186.00			2,094.83		2,186.00		126.71
00130	7800130NJP	78-DATA EQUIP	1,938.44	1,938.44		005-00	1,938.44	07/78	1,938.44	1	
00130	7900130NJP	79-DATA EQUIP	99.00	99.00		005-00	331.00	07/79	331.00	1	
00130	8000130NJP	80-DATA EQUIP	1,326.00	1,326.00		005-00	1,326.00	07/80	1,326.00	1	
	GRP CLSS TOTAL		3,363.44	3,363.44			3,595.44		3,595.44		

COMPANY 683 MISSOURI-AMERICAN

PROGRAM NO. PE03
CURRENT DATE 01/11/87

TAX LEDGER
AMERICAN WATER WORKS

FOR MONTHS 01-12
ENDING 12/31/86 OF FISCAL YEAR 1986

COMP 683 MISSOURI-AMERICAN DIST COMP 320 JOPLIN DISTRICT

GRP LSS	ASSET NO.	DESCRIPTION	N.D.B.	COST	QTY	TOTAL LIFE	DEPRECIATION CUMULATIVE	DEPR BEGIN	VINTAGE COST	D M	DEPR YEAR TO DATE
00241	8000241NJP	80-LIGHT TRUCKS	13,145.00	13,145.00		005-00	11,173.25	07/80	13,145.00	1	
	GRP CLSS TOTAL		13,145.00	13,145.00			11,173.25		13,145.00		
49300	6449300NJP	PROP ACQ 1964	103,372.71	103,372.71		050-00	67,741.14	05/65	103,372.71	5	2,238.08
493C0	6549300NJP	PROP ACQ 1965	92,669.13	92,669.13		050-00	58,378.55	08/66	92,669.13	5	1,955.73
49300	6649300NJP	PROP ACQ 1966	110,436.98	110,436.98		050-00	54,294.26	11/75	110,436.98	5	2,891.98
49300	67493CONJP	PROP ACQ 1967	170,795.47	170,795.47		050-00	102,702.80	09/67	170,795.47	5	3,986.59
49300	68493CONJP	PROP ACQ 1968	242,332.43	242,332.43		050-00	140,530.51	08/68	242,332.43	5	5,873.78
49300	6949300NJP	PROP ACQ 1969	184,366.05	184,366.05		050-00	94,664.83	06/72	184,366.05	5	5,076.37
493CC	70493CONJP	PROP ACQ 1970	231,492.13	231,492.13		050-00	122,892.66	08/70	231,492.13	5	5,875.81
49300	7149300NJP	71-WTR PROPERTY	259,474.23	259,474.23		040-00	220,678.64	07/71	272,519.23	6	8,474.66
49300	7249300NJP	72-WTR PROPERTY	97,342.95	97,342.95		040-00	59,933.58	07/72	99,795.95	6	3,225.10
49300	7349300NJP	73-WTR PROPERTY	357,868.08	357,868.08		040-00	210,168.76	07/73	371,752.08	6	12,467.26
49300	74493CONJP	74-WTR PROPERTY	50,057.53	50,057.53		040-00	26,449.36	07/74	50,674.53	6	1,761.24
49300	7549300NJP	75-WTR PROPERTY	125,562.11	125,562.11		040-00	64,860.95	07/75	129,382.11	6	4,654.59
49300	7649300NJP	76-WTR PROPERTY	132,308.88	132,308.88		040-00	60,532.44	07/76	134,145.88	6	4,989.56
49300	7749300NJP	77-WTR PROPERTY	121,317.15	121,317.15		040-00	50,587.11	07/77	122,471.15	6	4,704.68
49300	7849300NJP	78-WTR PROPERTY	191,981.52	191,981.52		040-00	72,643.53	07/78	192,869.52	6	7,644.20
49300	7949300NJP	79-WTR PROPERTY	284,580.00	284,580.00		040-00	97,184.66	07/79	288,949.00	6	11,804.60
49300	8C49300NJP	80-WTR PROPERTY	536,786.00	536,786.00		040-00	164,224.03	07/80	540,286.00	6	22,731.50
	GRP CLSS TOTAL		3,292,743.35	3,292,743.35			1,668,467.81		3,338,310.35		110,355.73
54-63	0054-63NJP	PROP ACO 54-63	3,411,741.49	3,411,741.49		050-00	2,597,715.74	06/60	3,411,741.49	5	60,799.10
	GRP CLSS TOTAL		3,411,741.49	3,411,741.49			2,597,715.74		3,411,741.49		60,799.10
70110	7470110NJP	74-OFF FURN-FIX	4,500.96	4,500.96		008-00	4,500.96	07/74	4,500.96	1	
70110	7670110NJP	76-OFF FURN-FIX	268.18	268.18		008-00	268.18	07/76	268.18	1	
	GRP CLSS TOTAL		4,769.14	4,769.14			4,769.14		4,769.14		
70130	7470130NJP	74-DATA EQUIP	13,365.13	13,365.13		005-00	13,365.13	07/74	13,365.13	1	
70130	7570130NJP	75-DATA EQUIP	145.34	145.34		005-00	270.34	07/75	270.34	1	
	GRP CLSS TOTAL		13,510.47	13,510.47			13,635.47		13,635.47		
	DIST COMP TOTAL		8,897,372.53	8,897,372.53			6,016,366.68		8,944,408.53		215,191.29

COMP 683 MISSOURI-AMERICAN DIST COMP 680 ST. JOSEPH DISTRICT

GRP LSS	ASSET NO.	DESCRIPTION	N.D.B.	COST	QTY	TOTAL LIFE	DEPRECIATION CUMULATIVE	DEPR BEGIN	VINTAGE COST	D M	DEPR YEAR TO DATE
BLDGS	70BLDGSNSJ	BUILDINGS-1970				050-00		07/70		3	1.86
BLDGS	71BLDGSNSJ	71-BLD-MAIN STA	22,597.08	22,597.08		045-00	9,234.40	07/71	22,597.08	3	460.77
BLDGS	72BLDGSNSJ	BUILDINGS-1972	1,978.28	1,978.28		045-00	277.42-	07/72	1,978.28	3	77.77
BLDGS	73BLDGSNSJ	BUILDINGS-1973	17,448.13	17,448.13		045-00	6,135.41	07/73	17,448.13	3	390.09
BLDGS	74BLDGSNSJ	BUILDINGS-1974	1,292.65	1,292.65		045-00	446.33	07/74	1,292.65	3	29.17
BLDGS	79BLDGSNSJ	BUILDINGS-1979	496.00	496.00		045-00	111.23	07/79	496.00	3	13.26
BLDGS	80BLDGSNSJ	BUILDINGS-1980	37,180.00	37,180.00		045-00	7,348.76	07/80	37,180.00	3	1,028.65
GRP CLSS TOTAL			80,992.14	80,992.14			22,998.71		80,992.14		2,001.57
PRE54	00PRE54NSJ	PROP ACQ PRE 54	4,070,083.68	4,070,083.68		050-00	4,070,083.68	07/53	4,070,083.68	1	5,495.00
GRP CLSS TOTAL			4,070,083.68	4,070,083.68			4,070,083.68		4,070,083.68		5,495.00
PRE71	00PRE71NSJ	PRE 1971 TRANSP	6,213.43	6,213.43		007-00	6,213.43	07/70	6,213.43	1	
GRP CLSS TOTAL			6,213.43	6,213.43			6,213.43		6,213.43		
00100	7100100NSJ	71-OFFICE EQUIP	226.80	226.80		008-00	782.80	07/71	782.80	1	
00100	7200100NSJ	72-OFFICE EQUIP	1,128.15	1,128.15		008-00	1,859.15	07/72	1,859.15	1	
GRP CLSS TOTAL			1,354.95	1,354.95			2,641.95		2,641.95		
00110	7700110NSJ	77-OFF FURN-FIX	2,896.34	2,896.34		008-00	2,896.34	07/77	2,896.34	1	.04
00110	7800110NSJ	78-OFF FURN-FIX	1,435.95	1,435.95		008-00	1,435.90	07/78	1,435.95	6	19.94
00110	7900110NSJ	79-OFF FURN-FIX	195.00	195.00		008-00	192.25	07/79	195.00	6	8.12
00110	8000110NSJ	80-OFF FURN-FIX	1,664.00	1,664.00		008-00	1,571.52	07/80	1,664.00	6	115.55
GRP CLSS TOTAL			6,191.29	6,191.29			6,096.01		6,191.29		143.65
00130	7700130NSJ	77-DATA EQUIP	390.95	390.95		005-00	648.95	07/77	648.95	1	
00130	7800130NSJ	78-DATA EQUIP	2,079.89	2,079.89		005-00	2,424.89	07/78	2,424.89	1	
00130	7900130NSJ	79-DATA EQUIP	1,633.00	1,633.00		005-00	1,633.00	07/79	1,633.00	1	
00130	8000130NSJ	80-DATA EQUIP	1,663.00	1,663.00		005-00	1,797.00	07/80	1,797.00	1	.04
GRP CLSS TOTAL			5,766.84	5,766.84			6,503.84		6,503.84		.04
00241	7900241NSJ	79-LIGHT TRUCKS				005-00		07/79		1	
00241	8000241NSJ	80-LIGHT TRUCKS				005-00		07/80		1	
GRP CLSS TOTAL											
00242	7800242NSJ	78-HEAVY TRUCKS	9,442.66	9,442.66		007-00	8,026.26	07/78	9,442.66	1	
GRP CLSS TOTAL			9,442.66	9,442.66			8,026.26		9,442.66		

COMPANY 683 MISSOURI-AMERICAN TAX LEDGER

PROGRAM NO. PE03
CURRENT DATE 01/11/87

AMERICAN WATER WORKS

PAGE NO. 4
FOR MONTHS 01-12
ENDING 12/31/86 OF FISCAL YEAR 1986

COMP 683 MISSOURI-AMERICAN DIST COMP 680 ST. JOSEPH DISTRICT

GRP LSS	ASSET NO.	DESCRIPTION	N.D.B.	COST	QTY	TOTAL LIFE	DEPRECIATION CUMULATIVE	DEPR BEGIN	VINTAGE COST	D M	DEPR YEAR TO DATE
49300	6449300NSJ	PROP ACQ 1964	336,918.58	336,918.58		050-00	227,582.37	08/64	336,918.58	5	7,123.95
49300	6549300NSJ	PROP ACQ 1965	439,481.50	439,481.50		050-00	283,937.16	09/65	439,481.50	5	9,744.79
49300	6649300NSJ	PROP ACQ 1966	526,297.01	526,297.01		050-00	323,555.71	11/66	526,297.01	5	12,238.44
49300	6749300NSJ	PROP ACQ 1967	203,944.40	203,944.40		050-00	119,254.73	11/67	203,944.40	5	4,897.69
49300	6849300NSJ	PROP ACQ 1968	163,941.89	163,941.89		050-00	94,030.80	08/68	163,941.89	5	4,017.19
49300	6949300NSJ	PROP ACQ 1969	1,348,457.35	1,348,457.35		050-00	732,989.60	07/69	1,348,457.35	5	34,132.70
49300	7049300NSJ	PROP ACQ 1970	397,730.76	397,730.76		050-00	210,143.28	07/70	397,730.76	5	10,142.52
49300	7149300NSJ	71-WTR PROPERTY	136,061.44	136,061.44		040-00	101,961.88	07/71	159,626.44	6	4,963.98
49300	7249300NSJ	72-WTR PROPERTY	348,599.18	348,599.18		040-00	224,969.94	07/72	367,534.18	6	11,877.60
49300	7349300NSJ	73-WTR PROPERTY	252,694.91	252,694.91		040-00	143,659.43	07/73	256,970.91	6	8,617.90
49300	7449300NSJ	74-WTR PROPERTY	486,050.48	486,050.48		040-00	265,729.88	07/74	509,011.48	6	17,691.20
49300	7549300NSJ	75-WTR PROPERTY	135,373.76	135,373.76		040-00	70,142.88	07/75	140,851.76	6	5,067.22
49300	7649300NSJ	76-WTR PROPERTY	278,743.05	278,743.05		040-00	130,375.33	07/76	284,976.05	6	10,599.71
49300	7749300NSJ	77-WTR PROPERTY	268,571.46	268,571.46		040-00	116,203.73	07/77	272,168.46	6	10,455.24
49300	7849300NSJ	78-WTR PROPERTY	586,036.01	586,036.01		040-00	226,288.36	07/78	601,139.01	6	23,825.60
49300	7949300NSJ	79-WTR PROPERTY	568,507.00	568,507.00		040-00	195,232.51	07/79	580,226.00	6	23,704.32
49300	8049300NSJ	80-WTR PROPERTY	579,275.00	579,275.00		040-00	179,404.47	07/80	604,827.00	6	25,446.94
	GRP CLSS TOTAL		7,056,683.78	7,056,683.78			3,645,462.06		7,194,102.78		224,546.99
54-63	0054-63NSJ	PROP ACQ 54-63	3,839,443.34	3,839,443.34		050-00	2,906,476.08	08/60	3,839,443.34	5	69,526.82
	GRP CLSS TOTAL		3,839,443.34	3,839,443.34			2,906,476.08		3,839,443.34		69,526.82
70110	7370110NSJ	73-OFF FURN-FIX	1,641.16	1,641.16		008-00	1,641.16	07/73	1,641.16	1	
70110	7470110NSJ	74-OFF FURN-FIX	26.37	26.37		008-00	26.37	07/74	26.37	1	
70110	7570110NSJ	75-OFF FURN-FIX	433.86	433.86		008-00	433.86	07/75	433.86	1	
70110	7670110NSJ	76-OFF FURN-FIX	8,082.20	8,082.20		008-00	8,126.20	07/76	8,126.20	1	
	GRP CLSS TOTAL		10,183.59	10,183.59			10,227.59		10,227.59		
70130	7370130NSJ	73-DATA EQUIP	184.85	184.85		005-00	673.85	07/73	673.85	1	
70130	7570130NSJ	75-DATA EQUIP	56.65	56.65		005-00	56.65	07/75	56.65	1	
70130	7670130NSJ	76-DATA EQUIP	65.66	65.66		005-00	65.66	07/76	65.66	1	
	GRP CLSS TOTAL		307.16	307.16			796.16		796.16		
	DIST COMP TOTAL		15,086,662.86	15,086,662.86			10,685,525.77		15,226,638.86		301,714.07
	COMP TOTAL		23,984,035.39	23,984,035.39			16,701,892.45		24,171,067.39		516,905.36

MISSOURI-AMERICAN WATER COMPANY
AN AMERICAN WATER WORKS SYSTEM COMPANY

These workpapers support other deferred taxes used on the income statement.

Missouri-American Water Company
Deferred Taxes-Other
Per Books 1986 at 1987 Rates

	Joplin District	St. Joseph District	Corporate	Total
New Tax Law				
	$	$	$	$
Current Year Def. SIT-Prog. Maintenance	0	10,056		10,056
Amort. of Current Yr. Def. SIT	0	(291)		(291)
Amort. of Prior Yr. Def. SIT	(1,308)	(1,544)		(2,852)
Total Def. SIT	(1,308)	8,221	0	6,913
Current Year Def. FIT-Prog. Maintenance-40%	0	93,601		93,601
Amort. of Current Yr. Def. FIT-40%	0	(2,719)		(2,719)
Amort. of Prior Yr. Def. FIT-46%	(12,199)	(15,466)		(27,665)
Total Def. FIT	(12,199)	75,416	0	63,217
Total	($13,507)	$83,637	$0	$70,130
Old Tax Law-Per Books				
	$	$	$	$
Current Year Def. SIT-Prog. Maintenance	0	10,056		10,056
Amort. of Current Yr. Def. SIT	0	(291)		(291)
Amort. of Prior Yr. Def. SIT	(1,308)	(1,544)		(2,852)
Deferred SIT-Unbilled Revenue			(1,462)	(1,462)
Total Def. SIT	(1,308)	8,221	(1,462)	5,451
Current Year Def. FIT-Prog. Maintenance-46%	0	107,648		107,648
Amort. of Current Yr. Def. FIT-46%	0	(3,127)		(3,127)
Amort. of Prior Yr. Def. FIT-46%	(12,199)	(15,466)		(27,665)
Deferred SIT-Unbilled Revenue			(11,267)	(11,267)
Total Def. FIT	(12,199)	89,055	(11,267)	65,589
Total	($13,507)	$97,276	($12,729)	$71,040

JOURNAL ENTRY

1986 @ 1987 Rates   40%

J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
702	[illegible]			410.11	1 554 91	
				283.16		1 554 91
		Def SIT M255				
703	[illegible]			410.16	16 654 30	
				283.16		16 654 30
		Def FIT M255				

DO NOT PUNCH

Expense 37759.91

37759.91 X.05046431 = 1905.53

" X.00928543 = - 350.62

1554.91 SIT

37759.91 - SIT 1554.91 = 36205.00 X 46%

16654.30 FIT

40% 14482.00 FIT

			@ Used @ 46%	Adj @ 40%	Cal
M255	Exp. Subject to FIT	$69,174.36	$31,820.54	27,669.47	$4,151.07
M256	Exp Subject to FIT	1,773.26	816.00	709.00	107.00
M251	Exp Subject to FIT	163,116.99	75,039.81	65,246.80	9,793.01
M251	Adj for Inv Credit	(61.36)	(28.23)	(24.54)	(3.69)
		$234,003.25	$107,648.12	$93,600.73	$14,047.39
M251	Amort of Def FIT Charges in 1986		(3,126.86)	$(2,719.00)	$(407.86)
		Total	$104,521.26	90,881.73	$13,639.53

MISSOURI-AMERICAN WATER COMPANY
ST. JOSEPH DISTRICT-600

COMPANY

mjB.

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FORM 170 (11-73)

JOURNAL ENTRY

408

J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
700	SEP 86			410.11	164 00	
				410.16	1759 00	
				283.76		164 00
				283.16		1759 00
		REC. DEF. TAXES M255				
701	SEP 86			410.11	76 00	
				410.16	816 00	
				283.76		76 00
				283.16		816 00
		REC. DEF. TAXES M256				

M255 3,987.19 x .05045431 x .00922543=
201.00 - 37.00 = 164.00 SIT
3,987.19 - 164.00 = 3,823.19 x 46% = 1759.00 FIT
40% 1,529.00 FIT

M256 1,849.26 x .05045431 x .00922543=
93.00 - 17.00 = 76.00 SIT
1,849.26 - 76.00 = 1,773.26 x 46% = 816.00 FIT
40% 709.00 FIT

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JOURNAL ENTRY

40?

J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
701	OCT [illegible]			410.11	1 186 41	
				283.76		1 186 41
		Rec Def SIT M255				
702	OCT [illegible]			410.16	12 707 33	
				283.16		12 707 3
		Rec Def FIT M255				

DO NOT PUNCH

Je34 28,811.03 X.05046431 = 1,453.93
" X.00928543 = - 267.52
SIT 1186.41
28,811.03 - 1186.41 = 27,624.62 X 46% =
FIT 12,707.33
40% 11,049.85

MISSOURI-AM[illegible]Y
ST. JOSEPH [illegible]
COMPANY

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407

J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
700	[illegible]			410.11	72 29	
				283.76		72 2
		Def SIT on M255				
701	Nov 1986			410.16	699 91	
				283.16		699 91
		Dep FIT on M255				

DO NOT PUNCH

SIT & FIT on 1,593.84 X .0546431 = 87.09

" X .0092854 3 = -14.80

72.29 SIT

1593.84 - 72.29 = 1521.55 X .46% = 699.91 FIT

40% 608.62 FIT

MISSOURI-AMERICAN WATER COMPANY
ST. JOSEPH DISTRICT-660

COMPANY

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JOURNAL ENTRY

1986 & 1987 Rates 40%

J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
603	APR 1986			410.11	71 51	
				283.79		71 51
		Def SIT on M251				
604	APR 1986			410.16	765 98	
				283.19		765 98
		Def FIT on M251				

DO NOT PUNCH

1,736.68 X .05046431 X .00928543 =
87.64 − 16.13 = 71.51 SIT
1736.68 − 71.51 = 1665.17 = 765.98 FIT @ 46%
666.07 FIT @ 40%

MISSOURI-AMERICAN WATER COMPANY
ST. JOSEPH DISTRICT-030

COMPANY

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JOURNAL ENTRY

407

J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
706	MAY [illegible]			410.11	3053 94	
				283.76		3053 94
		Def SIT on M251				
707	[illegible]			410.16	32 716 15	
				283.16		32 716 15
		Def FIT on M251				
		DO NOT PUNCH				

Expense on M 251

74,162.97 X .050 464.31 X .00928543 =

3,742.58 − 688.64 = 3,053.94 SIT

74162.97 − 3053.94 = 71109.03 X 46% =

40%

46% 32716.15 FIT

40% 28,443.61 FIT

MISSOURI-AMERICAN WATER COMPANY
ST. JOSEPH DISTRICT-600

COMPANY

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JOURNAL ENTRY

40?

J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
600	JUN [illegible]			410.11	1 444 73	
				283.76		1 444 73
		Rec SIT on M251				
601	JUN [illegible]			410.16	15 474 18	
				283.16		15 474 18
		Rec FIT on M251				

DO NOT PUNCH

35084.25 X .050 464 31 X .009285 43 =

1770.50 - 325.77 = 1444.73 SIT

35084.25 - 1,444.73 = 33639.52 X 46% =

46% 15474.18 FIT

40% 13,455.81 FIT

MISSOURI-AMERICAN WATER COMPANY
ST. JOSEPH DISTRICT-630

COMPANY

mgB.
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FORM 170 (11-73)

JOURNAL ENTRY

40 ?

J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
701	JUL 1986			410.11	2435 26	
				283.76		2435 26
		Def SIT on M251				
702	JUL 1986			410.16	26083 50	
				283.16		26083 50
		Def FIT on M251				
		DO NOT PUNCH				
		59,138.53 X .05041431 X .00928543 =				
		2,984.39 - 549.13 = 2435.26 SIT				
		59,138.53 - 2435.26 = 56703.27 X 46% =		40		
	46%	26,083.50 FIT.				
	40%	22,681.31 FIT				

MISSOURI-AMERICAN WATER COMPANY
ST. JOSEPH DISTRICT
COMPANY

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FORM 170 (11-73)

JOURNAL ENTRY

402

J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
640	AUG 1986			672.12	1,417 32	
				186.40		1,417 32
		Rec Amort on M251				
650	AUG 1986			283.76	58 22	
				410.11		58 22
		Rec Amort on M251				
660	[illegible]			283.16	625 54	
						625 54
				410.16		
		Rec Amort on M251				

DO NOT PUNCH @ 40%

Record Amortization on M251 10 years starting 8-1-86

M251			
Def FIT		170 122.43 ÷ 120 mos = 1417.69	
46%	40%	1417.69 X 119 = 168705.11 Aug - 1417.32	
Exp. $75039.81	$65246.80	SIT - 7005.44 ÷ 120 mos = 58.38	
Amort.		58.38 X 119 = 6947.22 Aug - 58.22	
Aug (625.54)	(544.12)	FIT 75039.81 ÷ 120 mos = 625.33	FIT 65246.80 ÷ 120 = 543.72
Sept (625.33)	(543.72)	625.33 X 119 = 74414.27 Aug 625.54	543.72 X 119 = 64702.68
Oct (625.33)	(543.72)		August 544.12
Nov. (625.33)	(543.72)	Difference	
Dec. (625.33)	(543.72)	M251 Exp 9793.01	
[illegible] (28.23)	(24.54)	Adj. Amort (467.86)	
$71884.72	$62533.26	$9321.46 Adj (3.69)	$9321.46

MISSOURI-AMERICAN WATER COMPANY
ST. JOSEPH DISTRICT-680

COMPANY

MJB.
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[illegible]
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JOURNAL ENTRY

40%

J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
713	[illegible]			283.76	264	
				410.11		26
		Adj SIT on 251				
714	[illegible]			283.16	2823	
				410.16		282
		Adj FIT on 251				

DO NOT PUNCH

Adjust tax on 64 credit on M251

\$(64.00) x .05046431 x .00728543 = \$3.22) − (.59) = \$(2.64) SIT

\$(64.00) − (2.64) = \$(61.36) x ~~46%~~ \$(28.23) FIT

40% (24.54) FIT

MISSOURI-AMERICAN WATER COMPANY
ST. JOSEPH DISTRICT-500

COMPANY

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FORM 170 (11-73)

MISSOURI-AMERICAN WATER COMPANY
AN AMERICAN WATER WORKS SYSTEM COMPANY

This workpaper supports new tax law change addbacks used on the tax calculation.

Missouri-American Water Company
Add Backs for the Tax Calculation
Resulting from 1986 Tax Reform Act

		Total
New Tax Law		
		$
1986 Bad Debt Expense- Reserve Method	$78,155	
1986 Bad Debt Expense- Write-off Method	83,165	(5,010)
1/4 of Bad Debt Reserve @ 12/31/86	$57,811 /4	14,453
New Advances for Construction in 1986		481,783
1986 Business Meals and Entertainment Expenses subject of 80% deductibility ($8,411 * 20%)		1,682
AFUDC		2,830
Total Tax Law Change Addbacks		$495,738

MISSOURI-AMERICAN WATER COMPANY
AN AMERICAN WATER WORKS SYSTEM COMPANY

These workpapers support information used on the rate base.

Missouri-American Water Company
Reserve for Deferred Taxes-Accelerated Depreciation
Recalculation of 1986 Deferrals Using 1987 FIT Rates

	Accumulated Def. SIT	Accumulated Def. FIT	Total
Joplin District			
	$	$	$
Provision at 12/31/85	17,441	179,760	197,201
1986 Recalculated Provision (Def. Tax W/P's)	8,289	77,205	85,494
Provision at 12/31/86	25,730	256,965	282,695
St. Joseph District			
	$	$	$
Provision at 12/31/85	27,709	282,276	309,985
1986 Recalculated Provision (Def. Tax W/P's)	11,417	106,332	117,749
Provision at 12/31/86	39,126	388,608	427,734
Missouri-American Total			
	$	$	$
Provision at 12/31/85	45,150	462,036	507,186
1986 Recalculated Provision (Def. Tax W/P's)	19,706	183,537	203,243
Provision at 12/31/86	64,856	645,573	710,429

Missouri-American Water Company
Materials & Supplies

January, 1986	$223,587
February	244,874
March	229,816
April	243,696
May	292,968
June	272,241
July	228,543
August	280,579
September	293,529
October	262,407
November	256,740
December	246,233
Total	$3,075,213
12-Month Average	$256,268
Use	$256,000

Statement of Income Per Books and Pro Forma
for the Twelve Months Ended December 31, 1986
using 1988 Federal Income Tax Rates

Missouri Public Service Commission — Year Ended December 31, 1986

Company Missouri-American Water Company

Case No. AO-87-48

Line No.		Twelve Months Ended Dec. 31, 1986	Adjustments	Pro Forma Present Rates	Adjustments	Pro Forma Proposed Rates
4		(Col. 1)	(Col. 2)	(Col. 3)	(Col. 4)	(Col. 5)
5	Operating Revenues	$9,797,353	$ 0	$9,797,353	($37,036)	$9,760,317
6	Operating Expenses					
7	Operation and maintenance expenses	4,925,657		4,925,657		4,925,657
8	Depreciation expense	562,345		562,345		562,345
9	Amortization of limited term utility plant	2,721		2,721		2,721
10	Taxes other than income:					
11	Real and personal property taxes	274,396		274,396		274,396
12	Public Service Commission fee	37,295		37,295		37,295
13	Other general taxes	9,238		9,238		9,238
14	Federal unemployment tax	3,865		3,865		3,865
15	Federal insurance contributions act tax	144,136		144,136		144,136
16	State unemployment tax	6,248		6,248		6,248
17	Income taxes:					
18	Federal income tax	782,665	26,939	809,604	(12,169)	797,435
19	State income tax	64,929	17,786	82,715	(1,243)	81,472
20	Deferred FIT - accelerated depreciation	220,261	(64,255)	156,006		156,006
21	Deferred SIT - accelerated depreciation	20,565	(859)	19,706		19,706
22	Deferred FIT - other	65,589	(16,004)	49,585		49,585
23	Deferred SIT - other	5,451	1,462	6,913		6,913
24	Deferred FIT - investment tax credit	0	0	0		0
25	Amortization of investment tax credit	(28,610)	0	(28,610)		(28,610)
26	Total operating expenses	7,096,751	(34,931)	7,061,820	(13,412)	7,048,408
27	Utility Operating Income	$2,700,602	$34,931	$2,735,533	($23,624)	$2,711,909

Calculation of Federal and State Income Taxes at Present Rates and at Proposed Rates using 1988 Federal Income Tax Rates

Missouri Public Service Commission

Company Missouri-American Water Company

Case No. AO-87-48

Year Ended December 31, 1986

Line No.		At Present Rates Federal	At Present Rates State	At Proposed Rates Federal	At Proposed Rates State
1		At Present Rates		At Proposed Rates	
2		Federal	State	Federal	State
3	Utility Operating Income	$2,735,533	$2,735,533	$2,711,909	$2,711,909
4	Deduct: Interest costs	1,253,893	1,253,893	1,253,893	1,253,893
5	Add: Federal income tax	809,604		797,435	
6	State income tax		82,715		81,472
7	Depreciation book basis	562,345	562,345	562,345	562,345
8	Amortization - book basis	2,721	2,721	2,721	2,721
9	Deferred federal income tax - accelerated depreciation	156,006	156,006	156,006	156,006
10	Deferred state income tax - accelerated depreciation	19,706	19,706	19,706	19,706
11	Deferred federal income tax - other	49,585	49,585	49,585	49,585
12	Deferred state income tax - other	6,913	6,913	6,913	6,913
13	Deferred federal income tax - investment tax credit	0	0	0	0
14	Amortization of investment tax credit	(28,610)	(28,610)	(28,610)	(28,610)
15	New tax law changes (See workpapers)	495,738	495,738	495,738	495,738
16	Total add backs	2,074,008	1,347,119	2,061,839	1,345,876
17	Deduct: Depreciation-tax basis	1,169,099	1,169,099	1,169,099	1,169,099
18	Balance	2,386,549	1,659,660	2,350,756	1,634,793
19	Less: Preferred dividend paid credit	5,360	5,360	5,360	5,360
20	Taxable Income	2,381,189	1,654,300	2,345,396	1,629,433
21	Tax Computation				
22	State income tax @ 5%		$82,715		$81,472
23	Federal income tax @ 34%	809,604		797,435	
24	Less: Investment tax credit	0		0	
25	Net federal income tax	$809,604		$797,435	

Original Cost Rate Base
using 1988 Federal Income Tax Rates

Missouri Public Service Commission

Company Missouri-American Water Company

Case No. AO-87-48

Year Ended December 31, 1986

Line No.		Per Books Dec. 31, 1986	Adjustments	Pro Forma Rate Base
1				
2				
3	Utility plant in service	$33,670,313	$	$33,670,313
4	Less: Accum. prov. for depreciation and amortization	7,355,873		7,355,873
5	Net utility plant	26,314,440	0	26,314,440
6	Deduct:			
7	Accumulated deferred investment tax credit	98,734		98,734
8	Customer advances	1,038,333		1,038,333
9	Contributions in aid of construction (Net)	840,872		840,872
10	Deferred taxes - accelerated depreciation	748,012	(65,114)	682,898
11	Total deductions	2,725,951	(65,114)	2,660,837
12	Add:			
13	Cash working capital	390,657 *		390,657 *
14	Materials and supplies	256,000		256,000
15	Total additions	646,657	0	646,657
16	Original Cost Rate Base	$24,235,146	$65,114	$24,300,260

17 * Cash working capital granted in Company's last rate Order.

Pro Forma Rate of Return Summary

Missouri Public Service Commission

Company Missouri-American Water Company

Case No. AO-87-48

Year Ended December 31, 1986

Page 4 of 6

Line No.	Class of Capital	Amount	Percent of Total	Cost Percentage	Cost of Capital
1					
2					
3	Long-term debt	$13,836,168	56.47%	9.13%	5.16%
4	Notes payable	691,000	2.82%	7.00%	0.20%
5	Preferred equity	358,921	1.46%	4.71%	0.07%
6	Common equity	9,616,483	39.25%	14.60%	5.73%
7	Total capitalization	$24,502,572	100.00%		11.16%

Pro Forma Cost of Long-Term Debt

Missouri Public Service Commission

Company Missouri-American Water Company

Case No. AO-87-48

Year Ended December 31, 1986

Line No.	Debt Issue Type Coupon Rate (Col. 1)	Date Issued (Col. 2)	Maturity Date (Col. 3)	Principal Amount (Col. 4)	Face Amount Outstanding (Col. 5)	Unamortized Debt Expense (Col. 6)	Net Proceeds (Col. 7)	Annual Interest (Col. 8)	Annual Amortization (Col. 9)	Total Annual Cost (Col. 10)
1										
2										
3										
4										
5	Long-Term Debt									
6	First Mortgage Bonds									
7	Series D, 4.95%	10/15/64	8/1/94	$500,000	$500,000	$4,278	$495,722	$24,750	$564	$25,314
8	Series E, 4.90%	12/4/64	11/1/89	1,250,000	1,250,000	2,303	1,247,697	61,250	813	62,063
9	General Mortgage Bonds									
10	10 1/2% Series	11/6/75	8/1/95	500,000	390,000	10,760	379,240	40,950	1,254	42,204
11	12 1/4% Series	11/13/80	10/1/00	3,200,000	2,880,000	39,569	2,840,431	352,800	2,888	355,688
12	11.7% Series	6/23/83	2/24/89	1,000,000	1,000,000	10,495	989,505	117,000	4,939	121,939
13	7 3/8% Series	9/10/68	7/1/93	3,350,000	3,350,000	5,563	3,344,437	247,063	856	247,919
14	9 1/4% Series	6/7/71	4/1/96	600,000	600,000	5,218	594,782	55,500	564	56,064
15	8.66% Series	10/31/86	9/1/96	4,000,000	4,000,000	55,646	3,944,354	346,400	5,757	352,157
16	Total			$14,400,000	$13,970,000	$133,832	$13,836,168	$1,245,713	$17,635	$1,263,348
17	Cost of Long-Term Debt									
18	(Col. 10/Col. 7)									9.13%

Pro Forma Cost of Preferred Stock

Missouri Public Service Commission

Company Missouri-American Water Company

Case No. AO-87-48

Year Ended December 31, 1986

Line No.	Dividend Rate Type, Par Value (Col. 1)	Date Issued (Col. 2)	Principal Amount (Col. 3)	Face Amount Outstanding (Col. 4)	Unamortized Issue Expense (Col. 5)	Carrying Value (Col. 6)	Annual Dividends (Col. 7)	Annual Amortization (Col. 8)	Total Annual Cost (Col. 9)
1									
2									
3									
4									
5	Cumulative Preferred Stock								
6	4.65% Series $100								
7	Par Value	1/1/84	$230,000	$170,000	$3,350	$166,650	$7,905	$394	$8,299
8	4 1/4% Series $100								
9	Par Value	12/28/49	700,000	196,000	3,729	192,271	8,330	266	8,596
10	Total		$930,000	$366,000	$7,079	$358,921	$16,235	$660	$16,895
11	Cost of preferred stock								
12	(Col.9/Col.6)								4.71%

MISSOURI-AMERICAN WATER COMPANY
AN AMERICAN WATER WORKS SYSTEM COMPANY

These workpapers support various per book rate base, capital, and income statement items.

MISSOURI PUBLIC SERVICE COMMISSION

TOTAL COMPANY
FINANCIAL DATA

COMPANY NUMBER 4164
COMPANY NAME: Missouri-American Water Co.

December 1986
(Month-Year)

Monthly Financial Report

Line No.		Amount (in Dollars)	Amount (in Dollars)
	Total Company Rate Base		
101	Total Plant in Service (1)		33,670,313
102	Less: Depreciation Reserve	7,355,873	
103	Net Plant in Service		26,314,440
104	Add: Materials and Supplies	246,233	
105	Less: Advances for Construction	1,038,333	
106	Less: Contributions in Aid of Construction	840,872	
107	Less: Deferred Income Taxes	1,037,221	
108	Less: Unamortized Investment Tax Credits Prior to 1971	98,734	
109	Total Company Rate Base		23,545,513
110	Construction Work in Progress	97,653	
111	Total Including CWIP		23,643,166
	Total Company Capitalization		
112	Common Stock Equity, Net	9,616,483	
113	Preferred Stock (Par or stated value outstanding)	366,000	
114	Long-term Debt (including current maturities)	13,970,000	
115	Sub-Total		23,952,483
116	Short-term Debt	691,000	
117	Total		24,643,483

(1) Includes completed construction not classified.
(2) All Company's operations are Missouri jurisdictional.

TOTAL COMPANY
FINANCIAL DATA

COMPANY NUMBER 4164
COMPANY NAME:

December 1986
(Month-Year)

Monthly Financial Report

Missouri-American Water Co.

Line No.		Amount (in Dollars)	Amount (in Dollars)
	Total Company Operating Statement		
201	Operating Revenues		9,797,353
202	Operation Expenses	4,203,308	
203	Maintenance Expenses	722,349	
204	Depreciation & Amortization Expenses	565,066	
205	Taxes, Other Than Income Taxes	475,178	
206	Income Taxes - Current, Federal & State	847,594	
207	Provision for Deferred Income Taxes, Net	311,866	
208	Investment Tax Credit Adj., Net	(28,610)	
209	Total Operating Expenses		7,096,751
210	Net Operating Income		2,700,602
211	Non-Operating Income/Expenses, Net (1)	(4,105)	
212	Gross Income		2,696,497
213	Interest on Long-Term Debt	982,376	
214	Amortization Debt Discount/Premium, Net	13,220	
215	Interest on Short-term Debt	233,253	
216	Other Interest	622	
217	Gross Interest Expense		1,229,471
	Allowance for Funds Used During Construction - Credit: (2)		
218	Equity Component		
219	Debt Component		
220	Total AFUDC	2,830	
221	Net Interest Expense		1,226,641
222	Extraordinary Items, Net (1)	(378,406)	
223	Net Income		1,091,450
224	Preferred Dividend Requirements	17,357	
225	Amount Available for Common Equity		1,074,093
226	Twelve Months - Ended Common Dividend Declarations	1,134,962	

(1) () Denotes loss or decrease
(2) Present detail where applicable. Prior to the Twelve Months-Ended January 31, 1977, show Total AFUDC only.
(3) All Company's operations are Missouri jurisdictional.

MISSOURI-AMERICAN WATER COMPANY
AN AMERICAN WATER WORKS SYSTEM COMPANY

These workpapers support deferred taxes on the income statement and tax deductions used on the tax computation.

Missouri-American Water Company
Deferred Taxes-Accelerated Depr.
Per Books 1986 at 1988 Rates

	Joplin District	St. Joseph District	Total
New Tax Law - 1986 @ 1988 Rates			
Deferred FIT @ 34%	$65,624	$90,382	$156,006
Deferred SIT	8,289	11,417	19,706
Total	$73,913	$101,799	$175,712
Tax Depreciation: Prior to 1981	$215,191	$301,714	$516,905
1981 - 1986	268,088	384,106	652,194
Total	$483,279	$685,820	$1,169,099
Old Tax Law-1986 at Old Tax Rates			
Deferred FIT @ 46%	$91,725	$128,536	$220,261
Deferred SIT	8,564	12,001	20,565
Total	$100,289	$140,537	$240,826
Tax Depreciation: Prior to 1981	$215,191	$301,714	$516,905
1981 - 1986	271,627	396,976	668,603
Total	$486,818	$698,690	$1,185,508

AT 1988 RATES

JOPLIN DISTRICT

DEFERRED ACCELERATED DEPRECIATION COMPUTATION
DECEMBER ONLY

	TAX BASE PROPERTY	RATE	NORMAL DEPRECIATION	
NORMAL DEPRECIATION				
1981 ADDITIONS	112905	1.77%	1998	
1982 ADDITIONS	521317	2.71%	14128	
1983 ADDITIONS	259956	2.72%	7071	
1984 ADDITIONS	951483	2.42%	23026	
1985 ADDITIONS	343721	2.26%	7768	
1986 ADDITIONS	1,332,964 ~~1697177~~	0.96%	~~9663~~	12,796
NORMAL DEPRECIATION			~~63660~~	66,787

DEFERRED CALCULATION

		46 2	342 NEW TAX LAW
ACCELERATED DEPRECIATION (81 & subsequent)		271627	268,088
NORMAL DEPRECIATION (as calculated)		63660	66,787
	EXCESS	207967	201,301
	STATE*	8564	8,289
	EXCESS	199403	193,012
	FEDERAL	91725	65,624

* THE EFFECTIVE TAX RATES USED IN THE STATE CALCULATION: STATE .0504643
FEDERAL .00928543

DECEMBER JOURNAL ENTRY

	STATE	FEDERAL
ANNUAL PROVISION	8564	91725
PROVISION TO DATE	7278	77947
DECEMBER ENTRY	1286	13778

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AT 1988 RATES

ST. JOSEPH DISTRICT

DEFERRED ACCELERATED DEPRECIATION COMPUTATION
DECEMBER ONLY

	TAX BASE PROPERTY	RATE	NORMAL DEPRECIATION	
NORMAL DEPRECIATION				
1981 ADDITIONS	324273	2.21%	7166	
1982 ADDITIONS	483759	3.00%	14513	
1983 ADDITIONS	587015	2.34%	13736	
1984 ADDITIONS	1585193	2.37%	37569	
1985 ADDITIONS	452929	4.28%	19385	
1986 ADDITIONS	1,260,117 ~~1146061~~	1.15%	~~13180~~	14,491
NORMAL DEPRECIATION			~~105549~~	106,860

DEFERRED CALCULATION

		46%	34% NEW TAX LAW
ACCELERATED DEPRECIATION (81 & subsequent)		396976	384,106
NORMAL DEPRECIATION (as calculated)		105549	106,860
	EXCESS	291427	277,246
	STATE*	12001	11,417
	EXCESS	279426	265,829
	FEDERAL	128536	90,382

* THE EFFECTIVE TAX RATES USED IN THE STATE CALCULATION: STATE .0504643
FEDERAL .00928543

DECEMBER JOURNAL ENTRY

	STATE	FEDERAL
ANNUAL PROVISION	12001	128536
PROVISION TO DATE	10540	112890
DECEMBER ENTRY	1461	15646

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

REQUEST NO. 017	MISSOURI-AMERICAN 683		PAGE 1
REPORT NO. 270			
RUN DATE 01/26/87	TAX LEDGER REPORT	BOOK 2	
RUN TIME 14.40.23	JAN, 1986 THRU DEC, 1986		FAS REL 9.2

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
								1/2 ITC				
JOPLIN DISTRICT	320											
PROPERTY CATEGORY	BLD											
81BLDGIN JP BUILDINGS	11/81	ACR	180	I	0	0	5,537.00	.00	5,537.00	387.59	2,602.39	2,934.61
82-BLDGS JP BUILDINGS	07/82	ACR	180	I	0	0	1,095.00	.00	1,095.00	87.60	481.38	613.62
82-BLDG1 JP BUILDINGS	03/82	ACR	180	I	0	0	42,226.00	.00	42,226.00	2,955.82	19,001.70	23,224.30
82-BLDG2 JP BUILDINGS	12/82	ACR	180	I	0	0	37,029.00	.00	37,029.00	2,962.32	14,811.60	22,217.40
82-BLDG3 JP BUILDINGS	11/82	SLN	199	D	0	0	4,393.00	.00	4,393.00	264.91	1,103.63	3,289.37
83-BLDGS JP BUILDINGS	07/83	ACR	180	I	0	0	14,224.00	.00	14,224.00	1,280.16	5,120.64	9,103.36
84-BLDGS JP BUILDINGS	07/84	ACR	216	M	0	0	58,780.00	.00	58,780.00	4,702.40	13,519.40	45,260.60
85-BLDGS JP BUILDINGS	06/85	ACR	216	M	0	0	12,886.00	.00	12,886.00	1,159.74	1,804.04	11,081.96
86-BLDGS JP BUILDINGS 31.5 Yr. S.L.	02/86	ACR	216	M	0	0	26,772.00	.00	26,772.00 x 1.59% = 425.67	~~2,409.48~~ (A)	2,409.48	24,362.52
PROPERTY CATEGORY BLD			TOTALS				202,942.00	.00	202,942.00	~~16,210.02~~ 14,226.21	60,854.26	142,087.74
PROPERTY CATEGORY CAR												
83--CARS JP CARS	07/83	ACR	036	A	3	P	17,917.00	537.50	17,379.50	.00	17,379.50	.00
85--CARS JP CARS	02/85	ACR	036	F	3	P	26,081.00	782.43	25,298.57	9,613.46	15,938.10	9,360.47

(A) New Rate For Structures (Tax Reform Act) 3.1746 (100 ÷ 31.5 Yrs) 1/2 Rate For 1986
Is 1.5873 % Rounded To 1.59%.

REQUEST NO. 017 MISSOURI-AMERICAN 683 PAGE 2
REPORT NO. 270
RUN DATE 01/26/87 TAX LEDGER REPORT BOOK 2
RUN TIME 14.40.23 JAN, 1986 THRU DEC, 1986 FAS REL 9.2

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
								1/2 ITC				
JOPLIN DISTRICT	320											
PROPERTY CATEGORY	CAR											
86--CARS JP CARS 5 YR.	04/86 200%	ACR D.D.B.	036	F	0	0	8,918.00	.00	8,918.00 x.20% =	~~2,229.50~~ 1,783.60 (B)	2,229.50	6,688.50
PROPERTY CATEGORY	CAR		TOTALS				52,916.00	1,319.93	51,596.07	~~11,842.76~~ 11,397.06	35,547.10	16,048.97
PROPERTY CATEGORY	HTK											
84H-TRKS JP HEAVY TRUCKS	07/84	ACR	060	A	3	6	19,887.00	994.50	18,892.50	3,967.42	10,957.65	7,934.85
PROPERTY CATEGORY	HTK		TOTALS				19,887.00	994.50	18,892.50	3,967.42	10,957.65	7,934.85
PROPERTY CATEGORY	INT											
84-INTAN JP INTANGIBLES	07/84	ACR	180	A	0	0	18,152.00	.00	18,152.00	.00	.00	18,152.00
PROPERTY CATEGORY	INT		TOTALS				18,152.00	.00	18,152.00	.00	.00	18,152.00
PROPERTY CATEGORY	LAN											
81-LANDN JP LAND	07/81	SLN	120	A	0	0	7.00	.00	7.00	.00	.00	7.00
PROPERTY CATEGORY	LAN		TOTALS				7.00	.00	7.00	.00	.00	7.00
PROPERTY CATEGORY	LTK											
83LT-TRK JP LIGHT TRUCKS	07/83	ACR	036	A	3	P	17,003.00	510.00	16,493.00	.00	16,493.00	.00

(B) NEW RATE FOR CARS - 5 YR LIFE AND 200% D.D.B. METHOD - FIRST YR NORMAL RATE WOULD BE (100 ÷ 5 YR = 20% - 1/2 RATE 10%) - 200% D.D.B. RATE WOULD BE 20%.

1/2 ITC

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
JOPLIN DISTRICT	320											
PROPERTY CATEGORY	LTK											
84LT-TRK JP LIGHT TRUCKS	07/84	ACR	036	A	3	P	28,115.00	843.50	27,271.50	10,090.45	27,271.50	.00
85LT-TRK JP LIGHT TRUCKS	07/85	ACR	036	F	3	P	8,098.00	242.94	7,855.06	2,984.93	4,948.69	2,906.37
86LT-TRK JP LIGHT TRUCKS 5 YR. 200% D.D.B.	05/86	ACR	036	F	0	0	37,954.00	.00	37,954.00 x .20%	~~9,488.50~~ 7,590.80	(C) 9,488.50	28,465.50
PROPERTY CATEGORY	LTK		TOTALS				91,170.00	1,596.44	89,573.56	~~22,563.88~~ 20,666.18	58,201.69	31,371.87
PROPERTY CATEGORY	OEQ											
82-OFEQP JP OFFICE EQUIPMENT	07/82	ACR	060	A	1	6	1,996.00	.00	1,996.00	419.16	1,996.00	.00
83-OFEQP JP OFFICE EQUIPMENT	07/83	ACR	060	A	3	6	16,531.00	826.50	15,704.50	3,297.95	12,406.56	3,297.94
84-OFEQP JP OFFICE EQUIPMENT	07/84	ACR	060	A	3	6	13,272.00	663.50	12,608.50	2,647.78	7,312.93	5,295.57
85-OFEQP JP OFFICE EQUIPMENT	02/85	ACR	060	F	3	6	13,206.00	660.30	12,545.70	2,760.06	4,641.91	7,903.79
86-OFEQP JP OFFICE EQUIPMENT 7 YR. 200% D.D.B.	02/86	ACR	060	F	0	0	41,646.00	.00	41,646.00 x 14.29% = 5,946.93	~~6,246.90~~	(D) 6,246.90	35,399.10
PROPERTY CATEGORY	OEQ		TOTALS				86,651.00	2,150.30	84,500.70	~~15,371.85~~ 15,071.88	32,604.30	51,896.40
PROPERTY CATEGORY	OFF											
83-OFF&F JP OFFICE FURN & FIXT	07/83	ACR	060	A	3	6	2,466.00	123.50	2,342.50	491.93	1,850.58	491.92

(C) Normal 1st Yr. Rate (100 ÷ 5 Yrs = 20% - 1/2 1st Yr 10%) - 200% D.D.B. Rate Is 10% x 2 = 20%

(D) Normal 1st Yr Rate (100 - 7 Yrs = 14.286% 1st Yr 7.143%) - 200% D.D.B. Rate Is 7.143% x2 = 14.286%
Rounded To 14.29%

1/2 ITC

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
JOPLIN DISTRICT	320											
PROPERTY CATEGORY	OFF											
84-OFF&F JP OFFICE FURN & FIXT	07/84	ACR	060	A	3	6	1,106.00	55.50	1,050.50	220.60	609.29	441.21
85-OFF+F JP OFFICE FURN & FIXT	12/85	ACR	060	F	3	6	5,301.00	265.05	5,035.95	1,107.91	1,863.30	3,172.65
86-OFF+F JP OFFICE FURN & FIXT 7 YR. 200% D.D.B.	12/86	ACR	060	F	0	0	658.00	.00	658.00 x 14.29% = 94.03	~~98.70~~ D	98.70	559.30
PROPERTY CATEGORY	OFF	TOTALS					9,531.00	444.05	9,086.95	~~1,919.14~~ 1,314.47	4,421.87	4,665.08
PROPERTY CATEGORY	RTW											
82-EASEM JP RIGHTS OF WAY	07/82	SLA	180	A	0	0	37.00	.00	37.00	2.47	11.09	25.91
84RTSWAY JP RIGHTS OF WAY	07/84	ACR	180	A	0	0	19.00	.00	19.00	1.71	4.56	14.44
86RTSWAY JP RIGHTS OF WAY Still Use S.L.	06/86	SL	180	A	0	0	80.00	.00	80.00	2.67	2.67	77.33
PROPERTY CATEGORY	RTW	TOTALS					136.00	.00	136.00	6.85	18.32	117.68
PROPERTY CATEGORY	SOF											
84-SOFTW JP SOFTWARE	07/84	SL	060	A	0	0	300.00	.00	300.00	60.00	150.00	150.00
85-SOFTW JP SOFTWARE	12/85	SL	060	A	0	0	475.00	.00	475.00	95.00	142.50	332.50
86-SOFTW JP SOFTWARE Still Use S.L.	06/86	SL	060	A	0	0	1,207.00	.00	1,207.00	120.70	120.70	1,086.30
PROPERTY CATEGORY	SOF	TOTALS					1,982.00	.00	1,982.00	275.70	413.20	1,568.80

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
								1/2 ITC				
JOPLIN DISTRICT 320 PROPERTY CATEGORY WTR												
8149300N JP WATER PROPERTY	07/81	ACR	180	A	1	6	107,368.00	.00	107,368.00	7,515.76	49,389.28	57,978.72
82-WATER JP WATER PROPERTY	07/82	ACR	180	A	1	6	434,541.00	.00	434,541.00	30,417.87	169,470.99	265,070.01
83-WATER JP WATER PROPERTY	07/83	ACR	180	A	3	6	203,349.00	10,167.70	193,181.30	15,454.51	62,326.41	130,854.89
84-WATER JP WATER PROPERTY	07/84	ACR	180	A	3	6	876,380.00	43,818.90	832,561.10	74,930.49	199,814.66	632,746.44
85-WATER JP WATER PROPERTY	01/85	ACR	180	F	3	6	294,342.00	14,717.10	279,624.90	27,962.50	41,943.74	237,681.16
86-WATER JP WATER PROPERTY 20 YR. 150% D.D.B.	01/86	ACR	180	F	0	0	1,215,726 ~~889,939.00~~	.00	1,215,726 ~~889,939.00~~ x 3.75%	~~44,496.95~~ = 45,589.73	(E) 44,496.95	845,442.05
PROPERTY CATEGORY WTR TOTALS							2,805,919.00	68,703.70	2,737,215.30	~~200,778.08~~ 201,870.86	567,442.03	2,169,773.27
JOPLIN DISTRICT 320 TOTALS							3,289,293.00	75,208.92	3,214,084.08	~~272,935.90~~ 269,396.63	770,460.42	2,443,623.66

Joplin District	Old Tax Law	New Tax Law	Difference
1981-1986 Tax Defr.	$ 272,936	$ 269,397	$ 3,539
Less: Easements & Rights Of Way	1,309	1,309	—
	$ 271,627	$ 268,088	$ 3,539

(E) Normal 1st Yr Rate (100 ÷ 20 Yrs = 5% - 1/2 1st Yr 2.5%) - 150% D.D.B. - 2.5% x 1.5 = 3.75%

REQUEST NO. 017 MISSOURI-AMERICAN 683 PAGE 6
REPORT NO. 270
RUN DATE 01/26/87 TAX LEDGER REPORT BOOK 2
RUN TIME 14.40.23 JAN, 1986 THRU DEC, 1986 FAS REL 9.2

1/2 ITC

ST. JOSEPH DISTRICT 680
PROPERTY CATEGORY BLD

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
81BLDG1N SJ BUILDINGS	06/81	ACR	180	I	0	0	99.00	.00	99.00	6.93	49.50	49.50
81BLDG2N SJ BUILDINGS	09/81	ACR	180	I	0	0	2,023.00	.00	2,023.00	141.61	991.27	1,031.73
81BLDG3N SJ BUILDINGS	05/81	ACR	180	I	0	0	564.00	.00	564.00	39.48	287.64	276.36
81BLDG4N SJ BUILDINGS	12/81	ACR	180	I	0	0	122.00	.00	122.00	8.54	57.34	64.66
82-BLDGS SJ BUILDINGS	07/82	ACR	180	I	0	0	10,415.00	.00	10,415.00	833.20	4,582.60	5,832.40
83-BLDGS SJ BUILDINGS	07/83	ACR	180	I	0	0	20,495.00	.00	20,495.00	1,844.55	7,378.20	13,116.80
84-BLDGS SJ BUILDINGS	07/84	ACR	216	M	0	0	1,889.00	.00	1,889.00	151.12	434.47	1,454.53
84-WTSTR SJ BUILDINGS	07/84	ACR	180	A	3	6	55,076.00	2,754.00	52,322.00	4,708.98	12,557.28	39,764.72
85-BLDGS SJ BUILDINGS	03/85	ACR	216	M	0	0	6,107.00	.00	6,107.00	549.63	1,038.19	5,068.81
85-WTSTR SJ BUILDINGS	07/85	ACR	216	M	3	6	2,369.00	118.45	2,250.55	202.55	292.57	1,957.98
86-BLDGS SJ BUILDINGS 31.5 YR. S.L.	01/86	ACR	216	M	0	0	18,973.00	.00	18,973.00 X 1.59% =	~~1,707.57~~ 301.67 (A)	1,707.57	17,265.43
PROPERTY CATEGORY BLD TOTALS							118,132.00	2,872.45	115,259.55	~~10,194.16~~ 8,788.26	29,376.63	85,882.92

PROPERTY CATEGORY CAR

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
84--CARS SJ CARS	07/84	ACR	036	A	3	P	21,763.00	653.00	21,110.00	7,810.70	21,110.00	.00

(A) 1/2 YR. RATE IN 1985 (100 ÷ 31.5 YR. = 3.1746 % 1/2 S.L. RATE IS 1.5873 %) - ROUNDED TO 1.59%

1/2 ITC

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
ST. JOSEPH DISTRICT 680 PROPERTY CATEGORY CAR												
85--CARS SJ CARS	02/85	ACR	036	F	3	P	37,870.00	1,136.10	36,733.90	13,958.89	23,142.36	13,591.54
86--CARS SJ CARS 5 Yr. 200% D.D.B.	01/86	ACR	036	F	0	0	8,834.00	.00	8,834.00 ×20% =	~~2,208.50~~ 1,766.80	B 2,208.50	6,625.50
PROPERTY CATEGORY CAR TOTALS							68,467.00	1,789.10	66,677.90	~~23,978.09~~ 23,536.39	46,460.86	20,217.04
PROPERTY CATEGORY HTK												
85H-TRKS SJ HEAVY TRUCKS	03/85	ACR	060	F	3	6	15,312.00	765.60	14,546.40	3,200.21	5,382.17	9,164.23
PROPERTY CATEGORY HTK TOTALS							15,312.00	765.60	14,546.40	3,200.21	5,382.17	9,164.23
PROPERTY CATEGORY INT												
84-INTAN SJ INTANGIBLES	07/84	ACR	180	A	0	0	22,725.00	.00	22,725.00	.00	.00	22,725.00
PROPERTY CATEGORY INT TOTALS							22,725.00	.00	22,725.00	.00	.00	22,725.00
PROPERTY CATEGORY LTK												
B100241N SJ LIGHT TRUCKS	07/81	ACR	036	A	1	P	85.00	.00	85.00	.00	85.00	.00
82LT-TRK SJ LIGHT TRUCKS	07/82	ACR	036	A	1	P	16,675.00	.00	16,675.00	.00	16,675.00	.00
83LT-TRK SJ LIGHT TRUCKS	07/83	ACR	036	A	3	P	31,203.00	936.00	30,267.00	.00	30,267.00	.00

B Normal Rate 1st Year - 10.00% x 2 = 20%

REQUEST NO. 017
REPORT NO. 270
RUN DATE 01/26/87
RUN TIME 14.40.23

MISSOURI-AMERICAN 683

TAX LEDGER REPORT — BOOK 2
JAN, 1986 THRU DEC, 1986

FAS REL 9.2

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION (½ ITC)	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
ST. JOSEPH DISTRICT 680												
PROPERTY CATEGORY LTK												
84LT-TRK SJ LIGHT TRUCKS	07/84	ACR	036	A	3	P	32,834.00	985.00	31,849.00	11,784.13	31,849.00	.00
85LT-TRK SJ LIGHT TRUCKS	04/85	ACR	036	F	3	P	18,197.00	545.91	17,651.09	6,707.42	11,120.19	6,530.90
86LT-TRK SJ LIGHT TRUCKS 5 YR. 200% D.D.B.	03/86	ACR	036	F	0	0	45,108.00	.00	45,108.00 X.20%	~~11,277.00~~ 9,021.60	C 11,277.00	33,831.00
PROPERTY CATEGORY LTK TOTALS							144,102.00	2,466.91	141,635.09	~~29,768.55~~ 27,513.15	101,273.19	40,361.90
PROPERTY CATEGORY OEQ												
8100130N SJ OFFICE EQUIPMENT	07/81	ACR	060	A	1	6	1,363.00	.00	1,363.00	.00	1,363.00	.00
82-OFEQP SJ OFFICE EQUIPMENT	07/82	ACR	060	A	1	6	1,865.00	.00	1,865.00	391.65	1,865.00	.00
83-OFEQP SJ OFFICE EQUIPMENT	07/83	ACR	060	A	3	6	2,553.00	127.50	2,425.50	509.36	1,916.15	509.35
84-OFEQP SJ OFFICE EQUIPMENT	07/84	ACR	060	A	3	6	13,101.00	655.00	12,446.00	2,613.66	7,218.68	5,227.32
85-OFEQP SJ OFFICE EQUIPMENT	10/85	ACR	060	F	3	6	.00	.00	.00	.00	.00	.00
86-OFEQP SJ OFFICE EQUIPMENT 7 YR. 200% D.D.B.	02/86	ACR	060	F	0	0	52,638.00	.00	52,638.00 X 14.29% =	~~7,895.70~~ 7,521.97	D 7,895.70	44,742.30
PROPERTY CATEGORY OEQ TOTALS							71,520.00	782.50	70,737.50	~~11,410.37~~ 11,036.64	20,258.53	50,478.97
PROPERTY CATEGORY OFF												
8100110N SJ OFFICE FURN & FIXT	07/81	ACR	060	A	1	6	1,719.00	.00	1,719.00	.00	1,719.00	.00

C Normal Rate 1st YR - 10% x 2 = 20%

D Normal Rate 1st YR (100 - 7 YRS = 14.286% 1st YR 7.143%) - 200% D.D.B. Rate Is 7.143% x 2 = 14.286%

REQUEST NO. 017
REPORT NO. 270
RUN DATE 01/26/87
RUN TIME 14.40.23

MISSOURI-AMERICAN 683

TAX LEDGER REPORT
JAN, 1986 THRU DEC, 1986

BOOK 2

FAS REL 9.2

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION (1/2 ITC)	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
ST. JOSEPH DISTRICT 680												
PROPERTY CATEGORY LTK												
84LT-TRK SJ LIGHT TRUCKS	07/84	ACR	036	A	3	P	32,834.00	985.00	31,849.00	11,784.13	31,849.00	.00
85LT-TRK SJ LIGHT TRUCKS	04/85	ACR	036	F	3	P	18,197.00	545.91	17,651.09	6,707.42	11,120.19	6,530.90
86LT-TRK SJ LIGHT TRUCKS 5 YR. 200% D.D.B.	03/86	ACR	036	F	0	0	45,108.00	.00	45,108.00 X.20%	~~11,277.00~~ 9,021.60	C 11,277.00	33,831.00
PROPERTY CATEGORY LTK TOTALS							144,102.00	2,466.91	141,635.09	~~29,768.55~~ 27,513.15	101,273.19	40,361.90
PROPERTY CATEGORY OEQ												
8100130N SJ OFFICE EQUIPMENT	07/81	ACR	060	A	1	6	1,363.00	.00	1,363.00	.00	1,363.00	.00
82-OFEQP SJ OFFICE EQUIPMENT	07/82	ACR	060	A	1	6	1,865.00	.00	1,865.00	391.65	1,865.00	.00
83-OFEQP SJ OFFICE EQUIPMENT	07/83	ACR	060	A	3	6	2,553.00	127.50	2,425.50	509.36	1,916.15	509.35
84-OFEQP SJ OFFICE EQUIPMENT	07/84	ACR	060	A	3	6	13,101.00	655.00	12,446.00	2,613.66	7,218.68	5,227.32
85-OFEQP SJ OFFICE EQUIPMENT	10/85	ACR	060	F	3	6	.00	.00	.00	.00	.00	.00
86-OFEQP SJ OFFICE EQUIPMENT 7 YR. 200% D.D.B.	02/86	ACR	060	F	0	0	52,638.00	.00	52,638.00 X 14.29% =	~~7,895.70~~ 7,521.97	D 7,895.70	44,742.30
PROPERTY CATEGORY OEQ TOTALS							71,520.00	782.50	70,737.50	~~11,410.37~~ 11,036.64	20,258.53	50,478.97
PROPERTY CATEGORY OFF												
8100110N SJ OFFICE FURN & FIXT	07/81	ACR	060	A	1	6	1,719.00	.00	1,719.00	.00	1,719.00	.00

C Normal Rate 1st YR - 10% X 2 = 20%

D Normal Rate 1st YR (100 - 7 YRS = 14.286% 1st YR 7.143%) - 200% D.D.B. Rate Is 7.143% X 2 = 14.286%

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
								1/2 ITC				
ST. JOSEPH DISTRICT 680												
PROPERTY CATEGORY OFF												
82-OFF&F SJ OFFICE FURN & FIXT	07/82	ACR	060	A	1	6	2,751.00	.00	2,751.00	577.71	2,751.00	.00
83-OFF&F SJ OFFICE FURN & FIXT	07/83	ACR	060	A	3	6	3,214.00	160.50	3,053.50	641.24	2,412.27	641.23
84-OFF&F SJ OFFICE FURN & FIXT	07/84	ACR	060	A	3	6	4,371.00	218.50	4,152.50	872.02	2,408.45	1,744.05
85-OFF+F SJ OFFICE FURN & FIXT	01/85	ACR	060	F	3	6	2,089.00	104.45	1,984.55	436.60	734.28	1,250.27
86-OFF+F SJ OFFICE FURN & FIXT 7 Yr. 200% D.D.B.	02/86	ACR	060	F	0	0	1,708.00	.00	1,708.00 x 14.29 =	~~256.20~~ 244.07 D	256.20	1,451.80
PROPERTY CATEGORY OFF TOTALS							15,852.00	483.45	15,368.55	~~2,783.77~~ 2,771.64	10,281.20	5,087.35
PROPERTY CATEGORY RTW												
82-EASEM SJ RIGHTS OF WAY	07/82	SLA	180	A	0	0	374.00	.00	374.00	24.94	112.19	261.81
86RTSWAY SJ RIGHTS OF WAY Same as S.L.	07/86	SL	180	A	0	0	1,666.00	.00	1,666.00	55.53	55.53	1,610.47
PROPERTY CATEGORY RTW TOTALS							2,040.00	.00	2,040.00	80.47	167.72	1,872.28
PROPERTY CATEGORY SOF												
84-SOFTW SJ SOFTWARE	07/84	SL	060	A	0	0	300.00	.00	300.00	60.00	150.00	150.00
85-SOFTW SJ SOFTWARE	07/85	SL	060	A	0	0	1,375.00	.00	1,375.00	275.00	412.50	962.50

ITEM UNIT NUMB/ DESCRIPTION	ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION (1/2 ITC)	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
ST. JOSEPH DISTRICT 680												
PROPERTY CATEGORY SOF												
86-SOFTW SJ SOFTWARE	06/86	SL	060	A	0	0	4,484.00	.00	4,484.00	448.40	448.40	4,035.60
	Same [illegible] S.L.											
PROPERTY CATEGORY SOF			TOTALS				6,159.00	.00	6,159.00	783.40	1,010.90	5,148.10
PROPERTY CATEGORY WTR												
8149300N SJ WATER PROPERTY	07/81	ACR	180	A	1	6	318,298.00	.00	318,298.00	22,280.86	146,417.08	171,880.92
82-WATER SJ WATER PROPERTY	07/82	ACR	180	A	1	6	451,679.00	.00	451,679.00	31,617.53	176,154.81	275,524.19
83-WATER SJ WATER PROPERTY	07/83	ACR	180	A	3	6	558,709.00	27,935.95	530,773.05	42,461.85	169,300.41	361,472.64
84-WATER SJ WATER PROPERTY	07/84	ACR	180	A	3	6	1,538,025.00	76,901.50	1,461,123.50	131,501.11	350,669.65	1,110,453.85
85-WATER SJ WATER PROPERTY	01/85	ACR	180	F	3	6	391,875.00	19.593.75	372,281.25	37,228.13	55,842.19	316,439.06
86-WATER SJ WATER PROPERTY	01/86	ACR	180	F	0	0	1,126,705.43 1,012,649.00	.00	1,126,705.43 x 3.75% 1,012,649.00	~~50,632.45~~ = 42,251.45	(E) 50,632.45	962,016.55
PROPERTY CATEGORY WTR			TOTALS				4,271,235.00	124,431.20	4,146,803.80	~~315,721.93~~ 307,340.13	949,016.59	3,197,787.21
ST. JOSEPH DISTRICT 680			TOTALS				4,735,544.00	133,591.21	4,601,952.79	~~397,920.95~~ 385,051.07	1,163,227.79	3,438,725.00

St. Joseph District	Old Tax Law	New Tax Law	Difference
1981-1986 Tax Depr.	$ 397,921	$ 385,051	$ 12,870
Less: Easements	945	945	—
Accel. Depr. Used To Calc. Def Taxes	$ 396,976	$ 384,106	$ 12,870

(E) Normal Rate 1st Yr. - 2.5% x 1.5 = 3.75%

ITEM UNIT NUMB/ DESCRIPTION		ENT SERV	DEPR METH	EST LIFE	M Y C	ITC CODE	ITC RATE	BASIS AMOUNT	TAX REDUCTION	BASIS FOR COST RECOVERY	CURRENT PERIOD DEPRECIATION	ACCUMULATED DEPRECIATION	NET TAX VALUE
MISSOURI AMERICAN	683												
PROPERTY CATEGORY	WTR												
86-WATER WATER PROPERTY		03/86	ACR	180	F	3	6	.00	.00	.00	.00	.00	.00
PROPERTY CATEGORY	WTR			TOTALS				.00	.00	.00	.00	.00	.00
MISSOURI AMERICAN	683			TOTALS				.00	.00	.00	.00	.00	.00
MISSOURI-AMERICAN	683			TOTALS				8,024,837.00	208,800.13	7,816,036.87	670,856.85	1,933,688.21	5,882,348.66

COMP 683 MISSOURI-AMERICAN DIST COMP 320 JOPLIN DISTRICT

GRP LSS	ASSET NO.	DESCRIPTION	N.D.B.	COST	QTY	TOTAL LIFE	DEPRECIATION CUMULATIVE	DEPR BEGIN	VINTAGE COST	D M	DEPR YEAR TO DATE
-LAND	80-LANDNJP	LAND-1980	4,207.00	4,207.00		010-00		07/80	4,207.00	0	
	GRP CLSS TOTAL		4,207.00	4,207.00					4,207.00		
BLDGS	70BLDGSNJP	BUILDINGS-1970	5,774.37	5,774.37		050-00	2,280.57	07/70	5,774.37	3	108.06
BLDGS	71BLDGSNJP	BUILDINGS-1971	74.15	74.15		045-00	30.22	07/71	74.15	3	1.50
BLDGS	72BLDGSNJP	BUILDINGS-1972	118.23	118.23		045-00	45.86	07/72	118.23	3	2.49
BLDGS	73BLDGSNJP	BUILDINGS-1973	42,553.07	42,553.07		045-00	15,771.87	07/73	42,553.07	3	927.84
BLDGS	74BLDGSNJP	BUILDINGS-1974	28,943.02	28,943.02		045-00	9,995.09	07/74	28,943.02	3	653.37
BLDGS	75BLDGSNJP	BUILDINGS-1975	6,346.61	6,346.61		045-00	2,048.37	07/75	6,346.61	3	148.20
BLDGS	76BLDGSNJP	BUILDINGS-1976	3,077.61	3,077.61		045-00	921.37	07/76	3,077.61	3	74.36
BLDGS	77BLDGSNJP	BUILDINGS-1977	151.23	151.23		045-00	39.63	07/77	151.23	3	6.57
BLDGS	78BLDGSNJP	BUILDINGS-1978	106.21	106.21		045-00	26.52	07/78	106.21	3	2.74
BLDGS	79BLDGSNJP	BUILDINGS-1979	2,808.00	2,808.00		045-00	630.04	07/79	2,808.00	3	75.09
BLDGS	80BLDGSNJP	BUILDINGS-1980	53,571.00	53,571.00		045-00	10,558.90	07/80	53,571.00	3	1,483.17
	GRP CLSS TOTAL		143,523.50	143,523.50			42,269.18		143,523.50		3,483.35
BLDG1	76BLDG1NJP	BUILDING-1-1976	620.00	620.00		023-00	303.08	07/76	620.00	0	25.35
	GRP CLSS TOTAL		620.00	620.00			303.08		620.00		25.35
PRE54	00PRE54NJP	PROP ACQ PRE 54	1,997,315.71	1,997,315.71		050-00	1,660,983.31	07/53	1,997,315.71	1	40,401.05
	GRP CLSS TOTAL		1,997,315.71	1,997,315.71			1,660,983.31		1,997,315.71		40,401.05
PRE71	00PRE71NJP	PRE 1971 TRANSP	8,656.64	8,656.64		007-00	8,656.64	07/70	8,656.64	1	
	GRP CLSS TOTAL		8,656.64	8,656.64			8,656.64		8,656.64		
00100	7100100NJP	71-OFFICE EQUIP	845.93	845.93		008-00	1,443.93	07/71	1,443.93	1	
00100	7200100NJP	72-OFFICE EQUIP	744.86	744.86		008-00	1,258.86	07/72	1,258.86	1	
	GRP CLSS TOTAL		1,590.79	1,590.79			2,702.79		2,702.79		
00110	7700110NJP	77-OFF FURN-FIX	151.00	151.00		008-00	151.00	07/77	151.00	1	.04
00110	7900110NJP	79-OFF FURN-FIX	527.00	527.00		008-00	519.64	07/79	527.00	6	21.95
00110	8000110NJP	80-OFF FURN-FIX	1,508.00	1,508.00		008-00	1,424.19	07/80	1,508.00	6	104.72
	GRP CLSS TOTAL		2,186.00	2,186.00			2,094.83		2,186.00		126.71
00130	7800130NJP	78-DATA EQUIP	1,938.44	1,938.44		005-00	1,938.44	07/76	1,938.44	1	
00130	7900130NJP	79-DATA EQUIP	99.00	99.00		005-00	331.00	07/79	331.00	1	
00130	8000130NJP	80-DATA EQUIP	1,326.00	1,326.00		005-00	1,326.00	07/80	1,326.00	1	
	GRP CLSS TOTAL		3,363.44	3,363.44			3,595.44		3,595.44		

COMPANY 683 MISSOURI-AMERICAN TAX LEDGER

COMPANY 683 MISSOURI-AMERICAN | TAX LEDGER

PROGRAM NO. PE03
CURRENT DATE 01/11/87

AMERICAN WATER WORKS

FOR MONTHS 01-12
ENDING 12/31/86 OF FISCAL YEAR 1986

COMP 683 MISSOURI-AMERICAN | DIST COMP 320 JOPLIN DISTRICT

GRP LSS	ASSET NO.	DESCRIPTION	N.O.B.	COST	QTY	TOTAL LIFE	DEPRECIATION CUMULATIVE	DEPR BEGIN	VINTAGE COST	D M	DEPR YEAR TO DATE
00241	8000241NJP	80-LIGHT TRUCKS	13,145.00	13,145.00		005-00	11,173.25	07/80	13,145.00	1	
	GRP CLSS TOTAL		13,145.00	13,145.00			11,173.25		13,145.00		
49300	6449300NJP	PROP ACQ 1964	103,372.71	103,372.71		050-00	67,741.14	05/65	103,372.71	5	2,238.08
49300	6549300NJP	PROP ACQ 1965	92,669.13	92,669.13		050-00	58,378.55	08/66	92,669.13	5	1,955.73
49300	6649300NJP	PROP ACQ 1966	110,436.98	110,436.98		050-00	54,294.26	11/75	110,436.98	5	2,891.98
49300	6749300NJP	PROP ACQ 1967	170,795.47	170,795.47		050-00	102,702.80	09/67	170,795.47	5	3,986.59
49300	6849300NJP	PROP ACQ 1968	242,332.43	242,332.43		050-00	140,530.51	08/68	242,332.43	5	5,873.78
49300	6949300NJP	PROP ACQ 1969	184,366.05	184,366.05		050-00	94,664.83	06/72	184,366.05	5	5,076.37
49300	7049300NJP	PROP ACQ 1970	231,492.13	231,492.13		050-00	122,892.66	08/70	231,492.13	5	5,875.81
49300	7149300NJP	71-WTR PROPERTY	259,474.23	259,474.23		040-00	220,678.64	07/71	272,519.23	6	8,474.66
49300	7249300NJP	72-WTR PROPERTY	97,342.95	97,342.95		040-00	59,933.58	07/72	99,795.95	6	3,225.10
49300	7349300NJP	73-WTR PROPERTY	357,868.08	357,868.08		040-00	210,168.76	07/73	371,752.08	6	12,467.26
49300	7449300NJP	74-WTR PROPERTY	50,057.53	50,057.53		040-00	26,449.36	07/74	50,674.53	6	1,761.24
49300	7549300NJP	75-WTR PROPERTY	125,562.11	125,562.11		040-00	64,860.95	07/75	129,382.11	6	4,654.59
49300	7649300NJP	76-WTR PROPERTY	132,308.88	132,308.88		040-00	60,532.44	07/76	134,145.88	6	4,989.56
49300	7749300NJP	77-WTR PROPERTY	121,317.15	121,317.15		040-00	50,587.11	07/77	122,471.15	6	4,704.68
49300	7849300NJP	78-WTR PROPERTY	191,981.52	191,981.52		040-00	72,643.53	07/78	192,869.52	6	7,644.20
49300	7949300NJP	79-WTR PROPERTY	284,580.00	284,580.00		040-00	97,184.66	07/79	288,949.00	6	11,804.60
49300	8049300NJP	80-WTR PROPERTY	536,786.00	536,786.00		040-00	164,224.03	01/80	540,286.00	6	22,731.50
	GRP CLSS TOTAL		3,292,743.35	3,292,743.35			1,668,467.81		3,338,310.35		110,355.73
54-63	0054-63NJP	PROP ACQ 54-63	3,411,741.49	3,411,741.49		050-00	2,597,715.74	06/60	3,411,741.49	5	60,799.10
	GRP CLSS TOTAL		3,411,741.49	3,411,741.49			2,597,715.74		3,411,741.49		60,799.10
70110	7470110NJP	74-OFF FURN-FIX	4,500.96	4,500.96		008-00	4,500.96	07/74	4,500.96	1	
70110	7670110NJP	76-OFF FURN-FIX	268.18	268.18		008-00	268.18	07/76	268.18	1	
	GRP CLSS TOTAL		4,769.14	4,769.14			4,769.14		4,769.14		
70130	7470130NJP	74-DATA EQUIP	13,365.13	13,365.13		005-00	13,365.13	07/74	13,365.13	1	
70130	7570130NJP	75-DATA EQUIP	145.34	145.34		005-00	270.34	07/75	270.34	1	
	GRP CLSS TOTAL		13,510.47	13,510.47			13,635.47		13,635.47		
	DIST COMP TOTAL		8,897,372.53	8,897,372.53			6,016,366.68		8,944,408.53		215,191.29

COMPANY 683 MISSOURI-AMERICAN

TAX LEDGER

PROGRAM NO. PE03
CURRENT DATE 01/11/87

AMERICAN WATER WORKS

FOR MONTHS 01-12
ENDING 12/31/86 OF FISCAL YEAR 1986

COMP 683 MISSOURI-AMERICAN DIST COMP 680 ST. JOSEPH DISTRICT

GRP LSS	ASSET NO.	DESCRIPTION	N.D.B.	COST	QTY	TOTAL LIFE	DEPRECIATION CUMULATIVE	DEPR BEGIN	VINTAGE COST	D M	DEPR YEAR TO DATE
BLDGS	70BLDGSNSJ	BUILDINGS-1970				050-00		07/70		3	1.86
BLDGS	71BLDGSNSJ	71-BLD-MAIN STA	22,597.08	22,597.08		045-00	9,234.40	07/71	22,597.08	3	460.77
BLDGS	72BLDGSNSJ	BUILDINGS-1972	1,978.28	1,978.28		045-00	277.42-	07/72	1,978.28	3	77.77
BLDGS	73BLDGSNSJ	BUILDINGS-1973	17,448.13	17,448.13		045-00	6,135.41	07/73	17,448.13	3	390.09
BLDGS	74BLDGSNSJ	BUILDINGS-1974	1,292.65	1,292.65		045-00	446.33	07/74	1,292.65	3	29.17
BLDGS	79BLDGSNSJ	BUILDINGS-1979	496.00	496.00		045-00	111.23	07/79	496.00	3	13.26
BLDGS	80BLDGSNSJ	BUILDINGS-1980	37,180.00	37,180.00		045-00	7,348.76	07/80	37,180.00	3	1,028.65
GRP CLSS TOTAL			80,992.14	80,992.14			22,998.71		80,992.14		2,001.57
PRE54	00PRE54NSJ	PROP ACQ PRE 54	4,070,083.68	4,070,083.68		050-00	4,070,083.68	07/53	4,070,083.68	1	5,495.00
GRP CLSS TOTAL			4,070,083.68	4,070,083.68			4,070,083.68		4,070,083.68		5,495.00
PRE71	00PRE71NSJ	PRE 1971 TRANSP	6,213.43	6,213.43		007-00	6,213.43	07/70	6,213.43	1	
GRP CLSS TOTAL			6,213.43	6,213.43			6,213.43		6,213.43		
00100	7100100NSJ	71-OFFICE EQUIP	226.80	226.80		008-00	782.80	07/71	782.80	1	
00100	7200100NSJ	72-OFFICE EQUIP	1,128.15	1,128.15		008-00	1,859.15	07/72	1,859.15	1	
GRP CLSS TOTAL			1,354.95	1,354.95			2,641.95		2,641.95		
00110	7700110NSJ	77-OFF FURN-FIX	2,896.34	2,896.34		008-00	2,896.34	07/77	2,896.34	1	.04
00110	7800110NSJ	78-OFF FURN-FIX	1,435.95	1,435.95		008-00	1,435.90	07/78	1,435.95	6	19.94
00110	7900110NSJ	79-OFF FURN-FIX	195.00	195.00		008-00	192.25	07/79	195.00	6	8.12
00110	8000110NSJ	80-OFF FURN-FIX	1,664.00	1,664.00		008-00	1,571.52	07/80	1,664.00	6	115.55
GRP CLSS TOTAL			6,191.29	6,191.29			6,096.01		6,191.29		143.65
00130	7700130NSJ	77-DATA EQUIP	390.95	390.95		005-00	648.95	07/77	648.95	1	
00130	7800130NSJ	78-DATA EQUIP	2,079.89	2,079.89		005-00	2,424.89	07/78	2,424.89	1	
00130	7900130NSJ	79-DATA EQUIP	1,633.00	1,633.00		005-00	1,633.00	07/79	1,633.00	1	
00130	8000130NSJ	80-DATA EQUIP	1,663.00	1,663.00		005-00	1,797.00	07/80	1,797.00	1	.04
GRP CLSS TOTAL			5,766.84	5,766.84			6,503.84		6,503.84		.04
00241	7900241NSJ	79-LIGHT TRUCKS				005-00		07/79		1	
00241	8000241NSJ	80-LIGHT TRUCKS				005-00		07/80		1	
GRP CLSS TOTAL											
00242	7800242NSJ	78-HEAVY TRUCKS	9,442.66	9,442.66		007-00	8,026.26	07/78	9,442.66	1	
GRP CLSS TOTAL			9,442.66	9,442.66			8,026.26		9,442.66		

COMPANY 683 MISSOURI-AMERICAN

TAX LEDGER

AMERICAN WATER WORKS

PROGRAM NO. PE03
CURRENT DATE 01/11/87

FOR MONTHS 01-12
ENDING 12/31/86 OF FISCAL YEAR 1986

COMP 683 MISSOURI-AMERICAN DIST COMP 680 ST. JOSEPH DISTRICT

GRP LSS	ASSET NO.	DESCRIPTION	N.D.B.	COST	QTY	TOTAL LIFE	DEPRECIATION CUMULATIVE	DEPR BEGIN	VINTAGE COST	D M	DEPR YEAR TO DATE
49300	6449300NSJ	PROP ACQ 1964	336,918.58	336,918.58		050-00	227,582.37	08/64	336,918.58	5	7,123.95
49300	6549300NSJ	PROP ACQ 1965	439,481.50	439,481.50		050-00	283,937.16	09/65	439,481.50	5	9,744.79
49300	6649300NSJ	PROP ACQ 1966	526,297.01	526,297.01		050-00	323,555.71	11/66	526,297.01	5	12,238.44
49300	6749300NSJ	PROP ACQ 1967	203,944.40	203,944.40		050-00	119,254.73	11/67	203,944.40	5	4,897.69
49300	6849300NSJ	PROP ACQ 1968	163,941.89	163,941.89		050-00	94,030.80	08/68	163,941.89	5	4,017.19
49300	6949300NSJ	PROP ACQ 1969	1,348,457.35	1,348,457.35		050-00	732,989.60	07/69	1,348,457.35	5	34,132.70
49300	7049300NSJ	PROP ACQ 1970	397,730.76	397,730.76		050-00	210,143.28	07/70	397,730.76	5	10,142.52
49300	7149300NSJ	71-WTR PROPERTY	136,061.44	136,061.44		040-00	101,961.88	07/71	159,626.44	6	4,963.98
49300	7249300NSJ	72-WTR PROPERTY	348,599.18	348,599.18		040-00	224,969.94	07/72	367,534.18	6	11,877.60
49300	7349300NSJ	73-WTR PROPERTY	252,694.91	252,694.91		040-00	143,659.43	07/73	256,970.91	6	8,617.90
49300	7449300NSJ	74-WTR PROPERTY	486,050.48	486,050.48		040-00	265,729.88	07/74	509,011.48	6	17,691.20
49300	7549300NSJ	75-WTR PROPERTY	135,373.76	135,373.76		040-00	70,142.88	07/75	140,851.76	6	5,067.22
49300	7649300NSJ	76-WTR PROPERTY	278,743.05	278,743.05		040-00	130,375.33	07/76	284,976.05	6	10,599.71
49300	7749300NSJ	77-WTR PROPERTY	268,571.46	268,571.46		040-00	116,203.73	07/77	272,168.46	6	10,455.24
49300	7849300NSJ	78-WTR PROPERTY	586,036.01	586,036.01		040-00	226,288.36	07/78	601,139.01	6	23,825.60
49300	7949300NSJ	79-WTR PROPERTY	568,507.00	568,507.00		040-00	195,232.51	07/79	580,226.00	6	23,704.32
49300	8049300NSJ	80-WTR PROPERTY	579,275.00	579,275.00		040-00	179,404.47	07/80	604,827.00	6	25,446.94
	GRP CLSS TOTAL		7,056,683.78	7,056,683.78			3,645,462.06		7,194,102.78		224,546.99
54-63	0054-63NSJ	PROP ACQ 54-63	3,839,443.34	3,839,443.34		050-00	2,906,476.08	03/60	3,839,443.34	5	69,526.82
	GRP CLSS TOTAL		3,839,443.34	3,839,443.34			2,906,476.08		3,839,443.34		69,526.82
70110	7370110NSJ	73-OFF FURN-FIX	1,641.16	1,641.16		008-00	1,641.16	07/73	1,641.16	1	
70110	7470110NSJ	74-OFF FURN-FIX	26.37	26.37		008-00	26.37	07/74	26.37	1	
70110	7570110NSJ	75-OFF FURN-FIX	433.86	433.86		008-00	433.86	07/75	433.86	1	
70110	7670110NSJ	76-OFF FURN-FIX	8,082.20	8,082.20		008-00	8,126.20	07/76	8,126.20	1	
	GRP CLSS TOTAL		10,183.59	10,183.59			10,227.59		10,227.59		
70130	7370130NSJ	73-DATA EQUIP	184.85	184.85		005-00	673.85	07/73	673.85	1	
70130	7570130NSJ	75-DATA EQUIP	56.65	56.65		005-00	56.65	07/75	56.65	1	
70130	7670130NSJ	76-DATA EQUIP	65.66	65.66		005-00	65.66	07/76	65.66	1	
	GRP CLSS TOTAL		307.16	307.16			796.16		796.16		
	DIST COMP TOTAL		15,086,662.86	15,086,662.86			10,685,525.77		15,226,638.86		301,714.07
	COMP TOTAL		23,984,035.39	23,984,035.39			16,701,892.45		24,171,047.39		516,905.36

MISSOURI-AMERICAN WATER COMPANY
AN AMERICAN WATER WORKS SYSTEM COMPANY

These workpapers support other deferred taxes used on the income statement.

Missouri-American Water Company
Deferred Taxes-Other
Per Books 1986 at 1988 Rates

	Joplin District	St. Joseph District	Corporate	Total
New Tax Law				
	$	$	$	$
Current Year Def. SIT-Prog. Maintenance	0	10,056		10,056
Amort. of Current Yr. Def. SIT	0	(291)		(291)
Amort. of Prior Yr. Def. SIT	(1,308)	(1,544)		(2,852)
Total Def. SIT	(1,308)	8,221	0	6,913
Current Year Def. FIT-Prog. Maintenance-34%	0	79,561		79,561
Amort. of Current Yr. Def. FIT-34%	0	(2,311)		(2,311)
Amort. of Prior Yr. Def. FIT-46%	(12,199)	(15,466)		(27,665)
Total Def. FIT	(12,199)	61,784	0	49,585
Total	($13,507)	$70,005	$0	$56,498
Old Tax Law-Per Books				
	$	$		$
Current Year Def. SIT-Prog. Maintenance	0	10,056		10,056
Amort. of Current Yr. Def. SIT	0	(291)		(291)
Amort. of Prior Yr. Def. SIT	(1,308)	(1,544)		(2,852)
Deferred SIT-Unbilled Revenue			(1,462)	(1,462)
Total Def. SIT	(1,308)	8,221	(1,462)	5,451
Current Year Def. FIT-Prog. Maintenance-46%	0	107,648		107,648
Amort. of Current Yr. Def. FIT-46%	0	(3,127)		(3,127)
Amort. of Prior Yr. Def. FIT-46%	(12,199)	(15,466)		(27,665)
Deferred SIT-Unbilled Revenue			(11,267)	(11,267)
Total Def. FIT	(12,199)	89,055	(11,267)	65,589
Total	($13,507)	$97,276	($12,729)	$71,040

JOURNAL ENTRY

1986 & 1988 Rates 34%

J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
702	[illegible]			410.11	1 554 91	
				283.76		1 554 91
		Def SIT M255				
703	[illegible]			410.16	16 654 30	
				283.16		16 654 30
		Def FIT M255				

DO NOT PUNCH

Expense 37759.91

37759.91 X.0504643 = 1905.53

" X.00928543 = -350.62

1554.91 SIT

37759.91 - SIT 1554.91 = 36205.00 X46% 34%

16654.30 FIT 12,309.70

			Booked @ 46%	Adj + 34%	Diff
M255	Exp. Subject to FIT	$69174.36	$31,820.54	$23,519.40	$8,301.14
M256	Exp. Subject to FIT	1,773.26	816.00	603.00	213.00
M251	Exp. Subject to FIT	163,116.99	75,039.21	55459.78	19,580.03
M251	Adj for Inv. Credit	(61.36)	(28.23)	(20.86)	(7.37)
		$234,003.25	$107,647.12	$79,561.32	$28,086.80
M251	Amount of Def FIT Changes in 1986	$(3,126.86)	$(2,311.38)	$(815.48)	

MISSOURI-AMERICAN WATER COMPANY
ST. JOSEPH DISTRICT-[illegible]

Total $104521.26 $77,249.94 $27,271.32

COMPANY

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J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
700	SEP 86			410.11	16400	
				410.16	175900	
				283.76		16400
				283.16		175900
		REC. DEF. TAXES	M255			
701	SEP 86			410.11	7600	
				410.16	81600	
				283.76		7600
				283.16		81600
		REC. DEF. TAXES	M256			

M255 3,987.19 x .0504631 x .00928543 =
2,201.00 − 37.00 = 164.00 SIT
3,987.19 − 164.00 = 3,823.19 x 46% = 1,759.00 FIT
34% 1,300.06 FIT

M256 1,849.26 x .0504631 x .00928543 =
93.00 − 17.00 = 76.00 SIT
1,849.26 − 76.00 = 1,773.26 x 46% = 816.00 FIT
34% 603.00 FIT

ST. JOSEPH
COMPANY

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J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
701	OCT [illegible]			410.11	1 186 41	
				283.76		1 186 41
		Rec Def SIT M255				
702	OCT [illegible]			410.16	12 707 33	
				283.16		12 707 3
		Rec Def FIT M255				
		DO NOT PUNCH				
		Je34 $28,811.03 X .05046431 = 1,453.93				
		" X .00928543 = - 267.52				
		SIT 1186.41				
		28,811.03 - 1186.41 = 27,624.62 X 46% =				
		FIT 12,707.33				
		347 ? 392.37				

MISSOURI-AM[illegible]
ST. JOSEPH [illegible]

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J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
700	NOV 1986			410.11	72 29	
				283.76		72 29
		Def SIT on M255				
701	NOV 1986			410.16	699 91	
				283.16		699 91
		Dep FIT on M255				
		DO NOT PUNCH				
		SIT + FIT on 1,593.84 x .0546431 = 87.09				
		" x .0928543 = -14.80				
		72.29 SIT				
		1593.84 - 72.29 = 1521.55 x .46% = 699.91 FIT				
		34% 517.33 FIT				

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ST. JOSEPH DISTRICT-880
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1986 & 1988 Rates 34%

J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
603	APR 1986			410.11	71 51	
				283.79		71 51
		Def SIT on M251				
604	APR 1986			410.16	76 598	
				283.19		76 598
		Def FIT on M251				

DO NOT PUNCH

1,736.68 X .05046431 X .00928543 =
87.64 − 16.13 = 71.51 SIT
1736.68 − 71.51 = 1665.17 = 765.98 FIT @ 46%
566.16 FIT @ 34%

MISSOURI-AMERICAN WATER COMPANY
ST. JOSEPH DISTRICT-680

COMPANY

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J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
706	MAY 1993			410.11	3053 94	
				283.76		3053 94
		Def SIT on M251				
707	MAY 1993			410.16	32 716 15	
				283.16		32 716 15
		Def FIT on M251				

DO NOT PUNCH

Expense on M 251

74,162.97 X .050 464.31 X .00928543 =

3,742.58 − 688.64 = 3,053.94 SIT

74162.97 − 3053.94 = 7110903 X 46% =

347

46% 32716.15 FIT

34% 24177.07 FIT

MISSOURI-AMERICAN WATER COMPANY
ST. JOSEPH DISTRICT-600

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J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
600	[illegible]			410.11	1 444 73	
				283.76		1 444 73
		Rec SIT on M251				
601	JUN [illegible]			410.12	15 474 18	
				283.16		15 474 18
		Rec FIT on M251				

DO NOT PUNCH

35084.25 X .050 464 31 X .009285 43 =

1770.50 - 325.77 = 1444.73 SIT

35084.25 - 1,444.73 = 33639.52 X ~~46%~~ 34% =

46% 15474.18 FIT

34% 11,437.44 FIT

MISSOURI-AMERICAN WATER COMPANY
ST. JOSEPH DISTRICT-680

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34%

JOURNAL ENTRY

J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
701	JUL [illegible]			410.11	2435 26	
				283.76		2435 26
		Def SIT on M251				
702	JUL [illegible]			410.16	26 083 50	
				283.16		26 083 50
		Def FIT on M251				
		DO NOT PUNCH				
		59,138.53 X .05046431 X .00928543 =				
		2,984.39 - 549.13 = 2435.26 SIT				
		59,138.53 - 2435.26 = 56703.27 X 46% =				
	46%	26083.50 FIT.				
	34%	19,279.11 FIT				

MISSOURI-AMERICAN WATER COMPANY
ST. JOSEPH DISTRICT-[illegible]

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34?

J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
640	AUG 1986			672-12	1,417 32	
				186.40		1,417 32
		Rec Amort on M251				
650	AUG 1986			283.76	58 22	
				410.11		58 22
		Rec Amort on M251				
660	[illegible]			283.16	625 54	
						625 54
				410.16		
		Rec Amort on M251				

DO NOT PUNCH

Record Amortization on M251 10 years starting 8-1-86

M251 Def FIT 46% 34%

170 122.43 ÷ 120 mos = 1417.69

1417.69 X 119 = 168705.11 aug - 1417.32

Ep $75,039.81 | $55459.78

SIT - 7005.44 ÷ 120 mos = 58.38

58.38 X 119 = 6947.22 aug - 58.22

Aug	(625.54)	(462.74)
Sept	(625.33)	(462.16)
Oct	(625.33)	(462.16)
Nov	(625.33)	(462.16)
Dec	(625.33)	(462.16)
1/2 Dec	(22.13)	(20.26)
	$71,874.72	$53,127.54

FIT 75039.81 ÷ 120 mos = 625.33

625.33 X 119 = 74414.27 aug 625.54

FIT 55459.78 ÷ 120 = 462.16

462.16 x 119 = $54997.04

August $462.74

Difference

M251	Ep	17,580.03
Adj	Amort	(815.42)
$18,757.12	Adj	(7.37) / $18,757.16

MISSOURI-AMERICAN WATER COMPANY
ST. JOSEPH DISTRICT-680

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J.E. NO.	DATE		DIST. NO.	ACCOUNT NUMBER	DEBIT	CREDIT
713	[illegible]			283.76	264	
				410.11		26
		Adj SIT on 251				
714	[illegible]			283.16	2823	
				410.16		282
		Adj FIT on 251				

DO NOT PUNCH

Adjust tax on 64.00 credit on M251

(64.00) x .0504642 x .0072 2543 =
(3.23) − (.59) = (2.64) SIT

(64.00) − (2.64) = (61.36) x 46% = (28.23) FIT
347 (20.86) FIT

MISSOURI-AMERICAN WATER COMPANY
ST. JOSEPH DISTRICT-320

COMPANY

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FORM 170 (11-73)

MISSOURI-AMERICAN WATER COMPANY
AN AMERICAN WATER WORKS SYSTEM COMPANY

This workpaper supports new tax law change addbacks used on the tax calculation.

Missouri-American Water Company
Add Backs for the Tax Calculation
Resulting from 1986 Tax Reform Act

			Total
New Tax Law			
			$
1986 Bad Debt Expense- Reserve Method	$78,155		
1986 Bad Debt Expense- Write-off Method	83,165		(5,010)
1/4 of Bad Debt Reserve @ 12/31/86	$57,811 /4		14,453
New Advances for Construction in 1986			481,783
1986 Business Meals and Entertainment Expenses subject of 80% deductibility ($8,411 * 20%)			1,682
AFUDC			2,830
Total Tax Law Change Addbacks			$495,738

MISSOURI-AMERICAN WATER COMPANY
AN AMERICAN WATER WORKS SYSTEM COMPANY

These workpapers support information used on the rate base.

Missouri-American Water Company
Reserve for Deferred Taxes-Accelerated Depreciation
Recalculation of 1986 Deferrals Using 1988 FIT Rates

	Accumulated Def. SIT	Accumulated Def. FIT	Total
Joplin District			
	$	$	$
Provision at 12/31/85	17,441	179,760	197,201
1986 Recalculated Provision (Def. Tax W/P's)	8,289	65,624	73,913
Provision at 12/31/86	25,730	245,384	271,114
St. Joseph District			
	$	$	$
Provision at 12/31/85	27,709	282,276	309,985
1986 Recalculated Provision (Def. Tax W/P's)	11,417	90,382	101,799
Provision at 12/31/86	39,126	372,658	411,784
Missouri-American Total			
	$	$	$
Provision at 12/31/85	45,150	462,036	507,186
1986 Recalculated Provision (Def. Tax W/P's)	19,706	156,006	175,712
Provision at 12/31/86	64,856	618,042	682,898

Missouri-American Water Company
Materials & Supplies

January, 1986	$223,587
February	244,874
March	229,816
April	243,696
May	292,968
June	272,241
July	228,543
August	280,579
September	293,529
October	262,407
November	256,740
December	246,233

Total	$3,075,213
	=========
12-Month Average	$256,268
	=========
Use	$256,000
	=========

MISSOURI-AMERICAN WATER COMPANY

Accumulated Deferred FIT - Accelerated Depreciation

Response to Item No. 4

Old Tax Law - Per Books at 12/31/86

Excess - Accelerated over Normal	$1,483,253
Tax Rate	x 46%
Acct. 282 - Per Books	$ 682,297

New Tax Law

Excess - Accelerated over Normal	$1,483,253
Tax Rate	x 34%
Acct. 282 - Calculated at 34%	$ 504,306

Excess Deferred Federal Tax Reserves @ 12/31/86	$ 177,991

The Company intends to flow-back the excess deferred tax reserves as prescribed in the new tax laws when straight-line depreciation exceeds accelerated depreciation for vintage years of tax depreciable property.

Missouri-American Water Company
Deferred Tax Reserve-Accelerated Depr.

Joplin District	Basis	Cr. Acct. 282.1 Def. SIT	Basis	Cr. Acct. 282 Def. FIT
Balance @ 10/31/81		$		$
J11-702,703 - 81		45		850
J12-701,702 - 81		95		374
Balance @ 12/31/81	$2,800 x 5%	$140	$2,660 x 46%	$1,224
1982 Provision	$24,640 x 5%	1,232	$35,682 x 46%	16,414
Balance @ 12/31/82		$1,372		$17,638
1983 Provision	$77,151 x 4.56%	3,518	$73,633 x 46%	33,871
Balance @ 12/31/83		$4,890		$51,509
1984 Provision	$124,876 x 4.56%	5,696	$119,180 x 46%	54,823
Balance @ 12/31/84		$10,586		$106,332
1985 Provision	$166,482 x4.1179%	6,855	$159,627 x 46%	73,428
Balance @ 12/31/85		$17,441		$179,760
1986 Provision	$207,967 x4.1179%	8,564	$199,403 x 46%	91,725
Balance @ 12/31/86		$26,005		$271,485
Total	$603,916		$590,185	$271,485

St. Joseph District	Basis	Cr. Acct. 282.1 Def. SIT	Basis	Cr. Acct. 282 Def. FIT
Balance @ 10/31/81		$		$
J11-701,702 - 81		198		3,766
J12-702,703 - 81		225		(69)
Balance @ 12/31/81	$8,460 x 5%	$423	$8,037 x 46%	$3,697
1982 Provision	$44,348 x 5%	2,217	$55,945 x 46%	25,735
Balance @ 12/31/82		$2,640		$29,432
1983 Provision	$111,345 x 4.56%	5,078	$106,267 x 46%	48,883
Balance @ 12/31/83		$7,718		$78,315
1984 Provision	$205,217 x 4.56%	9,360	$195,857 x 46%	90,094
Balance @ 12/31/84		$17,078		$168,409
1985 Provision	$258,167 x4.1179%	10,631	$247,536 x 46%	113,867
Balance @ 12/31/85		$27,709		$282,276
1986 Provision	$291,427 x4.1179%	12,001	$279,426 x 46%	128,536
Balance @ 12/31/86		$39,710		$410,812
Total	$918,964		$893,068	$410,812
Missouri-American Total	$1,522,880	$65,715	$1,483,253	$682,297