## State of Florida



# Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD TALLAHASSEE, FLORIDA 32399-0850

-M-E-M-O-R-A-N-D-U-M-

DATE:

OCTOBER 26, 2000

TO:

DIRECTOR, DIVISION OF RECORDS AND REPORTING (BAYO)

FROM:

DIVISION OF ECONOMIC REGULATION (P. LEE)

DIVISION OF LEGAL SERVICES (C. KEATING WALK VE

DIVISION OF SAFETY AND ELECTRIC RELIABILITY (COLSON

RE:

DOCKET NO. 000686-EI - REVISED DEPRECIATION STUDY FOR

GANNON STATION BY TAMPA ELECTRIC COMPANY.

AGENDA:

11/07/00 - REGULAR AGENDA - PROPOSED AGENCY ACTION -

INTERESTED PERSONS MAY PARTICIPATE

CRITICAL DATES: NONE

SPECIAL INSTRUCTIONS: NONE

FILE NAME AND LOCATION:

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## CASE BACKGROUND

On November 3, 1999, the United States Department of Justice, on behalf of the United States Environmental Protection Agency (EPA), filed a lawsuit against Tampa Electric Company (TECO or the Company) alleging TECO violated the Prevention of Significant Deterioration (PSD) requirements at Part C of the Clean Air Act, 42 U.S.C. §§ 7470-7492. The EPA alleged that TECO was required to obtain a PSD permit and apply best available control technology (BACT) before proceeding with various power plant modifications which TECO completed between 1991 and 1996. The power plant modifications in question were replacements of boiler equipment such as steam drum internals, high temperature reheater, water wall, cyclone, and furnace floor.

Subsequently, on December 7, 1999, the Florida Department of Environmental Protection (DEP) filed a lawsuit against TECO which mirrored the EPA lawsuit. Shortly after the DEP filed its lawsuit,

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FPSC-RECORDS/REPORTING

TECO and the DEP settled the suit by entering a Consent Final Judgment (CFJ). The CFJ became effective on December 16, 1999.

On February 29, 2000, TECO and the EPA signed a settlement agreement (Consent Decree). The Consent Decree was filed with the U.S. District Court in Tampa on February 29, 2000. The Consent Decree was entered October 5, 2000. Among other things, the Consent Decree and the CFJ require TECO to cease burning coal at the Gannon Station by year-end 2004 and repower some of the Gannon units with natural gas.

By Order Nos. PSC-00-0603-PAA-EI and PSC-00-0817-PAA-EI, issued March 29, 2000, and April 25, 2000, respectively, in Docket Nos. 990529-EI and 992014-EI, depreciation rates, recovery schedules, and the provision for dismantlement for TECO were revised. The rates and recovery schedule approved for the Gannon Station reflected TECO's preliminary assessment of compliance with the Consent Decree and the CFJ. The company's planning included the repowering of Gannon Units 3, 4, and 5. Once repowered, the original boilers of Units 1 through 5 and the station's coal handling system would be retired and the Gannon Station would be natural gas fueled with fuel oil capability. Additionally, TECO planned to place Units 1, 2, and 6 on reserve standby to be used as emergency capacity to provide the operating flexibility needed to ensure reliability and possible future conversion to burn natural gas.

On May 18, 2000, TECO filed a proposed revision for the recovery position at the Gannon Station. The revision is necessitated by changes in TECO's planning to repower Units 5 and 6 rather than Units 1, 2, and 5. Staff has completed its review and analysis of the company's study and presents its recommendation herein.

## DISCUSSION OF ISSUES

**ISSUE 1:** Should the current recovery position of Tampa Electric Company's Gannon Station assets be revised?

**RECOMMENDATION:** Yes. Attachment A, pages 6 - 9, shows the staff recommended rates and recovery schedule expenses that reflect TECO's current planning to repower Gannon Units 5 and 6 rather than Units 3, 4, and 5. The revision results in an increase in annual depreciation expense of about \$3 million. (P. LEE)

STAFF ANALYSIS: As part of TECO's last depreciation study, rates, recovery schedules, and the provision for dismantlement for the Gannon Station were predicated on the company's preliminary engineering assessments for compliance with the Consent Decree and the CFJ. This current study reflects TECO's subsequent engineering analyses which determined that repowering Gannon Unit 6 has more advantages than repowering Units 3 and 4. Unit 6 will require less valving and piping arrangements, and there will be a slightly more simplified steam pipe route for repowering. Additionally, the physical location of Unit 6 will simplify construction. At the completion of repowering Units 5 and 6, the total station capacity will increase from about 1,150 MW to 1,828 MW. Furthermore, TECO does not plan to maintain the boiler and related equipment at Units 3 and 4 for emergency purposes.

Also, according to the company, TECO does not plan to seek revenue recovery for the Gannon repowering through the Environmental Cost Recovery Clause (ECRC). Even though the requirements of the Consent Decree and the CFJ are environmentally driven, TECO projects the Gannon repowering will enhance its revenue stream.

## Near-Term Retirements

The company has estimated the additional investment and reserve as of January 1, 2000, associated with the plant currently anticipated to be retired by December 31, 2004, as a result of the repowering of Unit 6 to be \$44,656,351, and \$23,180,288, respectively. This results in the total investment subject to retirement due to the repowering and the CFJ to be \$332,343,139 with an associated reserve of \$244,609,218. The company has proposed the current approved recovery schedule be adjusted to recover the revised net investment of \$87,733,921 of the retiring assets to begin January 1, 2000, and conclude December 31, 2004, coinciding with the date coal will no longer be burned at Gannon

pursuant to the CFJ requirement. Staff recommends approval of the company proposed recovery schedule revision.

There is no change in the company forecast that approximately \$7.5 million in additions will be made to the Gannon Station prior to repowering. These short-lived additions are needed to maintain the reliability of the system and to protect the safety of the employees at the site. The company proposes that these additions be recovered over the period the equipment will be serving the public; i.e., 2000 additions amortized over the 2000-2004 period, 2001 additions amortized over the 2001-2004 period, 2002 additions amortized over the 2003-2004 period, and the 2004 additions amortized during 2004.

To assure full recovery of the net investment and any short-lived additions subject to retirement by year-end 2004, the expense for each month should be obtained by dividing net plant of each unit for that month by the months remaining in the amortization period. Staff believes this will be flexible in reacting to recovery of retirement in the event of changes in estimates.

## Remaining Assets

Attachment A, page 6, shows the company-proposed and staff-recommended depreciation factors for the assets now expected to remain in-service with the repowering of Unit 6. TECO has utilized its continuing property record system to develop stratified categories expected to have homogeneous life characteristics. The life of the account is then determined by compositing the life expectations of the various strata. This approach provides a more accurate determination of the required depreciation components than the historical approach of arriving at the pattern of interim retirement and life expectancy of the generating plant without identifying the contents or quantifying the varying life characteristics of the contained assets.

The recommended lives for Units 3, 4, and 6 recognize the repowering of Unit 6 rather than Units 3 and 4. The recommended life for Unit 6 assumes that repowering will extend the life of the station by about 40 years while various stratified asset categories will continue to experience a shorter life. The company's proposed life and salvage factors are within the range of reasonableness and acceptable to staff.

**ISSUE 2:** What should be the implementation date for revisions in the recovery of the Gannon Station?

**RECOMMENDATION:** Staff recommends approval of the company's proposed January 1, 2000, date of implementation for the new depreciation rates and recovery schedules for the Gannon Station. (P. LEE)

STAFF ANALYSIS: Company data and related calculations abut the January 1, 2000 date. This is the recommended date of implementation, being the earliest practicable date for utilizing the revised rates and recovery schedules. Staff therefore recommends approval of the company's proposed January 1, 2000 implementation date.

**ISSUE 3**: Should this docket be closed?

**RECOMMENDATION:** If no person whose substantial interests are affected by the proposed agency action files a protest within 21 days of the issuance of the order, this docket should be closed upon the issuance of a consummating order. (C. KEATING)

**STAFF ANALYSIS:** At the conclusion of the protest period, if no protest is filed, this docket should be closed upon the issuance of a consummating order.

Attachment A Page 1 of 4

# ATTACHMENT A PAGE 1 OF 4

# TAMPA ELECTRIC COMPANY GAMBON REPOWERING COMPARISON OF RATES AND COMPONENTS

			CUI	RRENT	
		AVERAGE REMAINING LIFE	NET SALVAGE	01/01/2000 RESERVE	REMAINING LIFE RATE
	ACCOUNT				
ANNON S					
	- Common -				
	Structures	39.0	(5.0)	26.63	2.0
	Boiler Plant	42.0	(5.0)	30.02	1.8
	Turbogenerators	41.0	(3.0)	16.15	2.1
	Acces. Electric Equipment	26.0	(5.0)	33.30	2.8
316500	Miscellaneous	13.0	(19.0)	59.51	4.6
	- Unit 1 -				
311510	Structures	7.2	(1.0)	84.75	
314510	Turbogenerators	6.5	(1.0)	71.21	2.3
315510	Acces. Electric Equipment	5.8	(1.0)	77.65	4.6
316510	Miscellaneous	7.3	(1.0)	82.41	4.0 2.5
	- Unit 2 -		,,	02.72	2.0
	Structures	8.4			
	Turbogenerators	,	(1.0)	63.94	4.4
	Acces. Electric Equipment	7.6	(1.0)	71.05	3.9
316520	Miscellaneous	7.3 6.6	(1.0)	72.78	3.9
		0.0	(2.0)	85.07	2.6
	- Unit 3 -	İ			
	Structures	37.0	(4.0)	48.57	1.5
314530	Turbogenerators	24.0	(6.0)	52.65	2.2
315530	Acces. Electric Equipment	16.6	(5.0)	60.97	2.7
310030	Miscellaneous	22.0	(8.0)	62.00	2.1
	· Unit 4 -				
	Structures	33.0	(8.0)	47.81	1.8
314540	l'urboganerators	22.0	(6.0)	56.57	2.2
315540	Acces. Electric Equipment	15.1	(3.0)	56.52	3.1
316540 ]	Miscellaneous	41.0	(6.0)	23.31	2.0
	Unit 5 -				
311550 8	Structures	40.0	(5.0)	22.42	
	Boiler Plant	11.1	(32.0)	90.30	2.1
314550 1	Curbogenerators	28.0	(8.0)	90.30 40.38	3.8
315550 /	leces. Electric Equipment	21.0	(5.0)	40.68	2.4
316550 I	Liscellaneous	30.0	(15.0)	40.68 36.72	3.1
	** ** **	33.3	(10.0)	30.12	2.6
	Vnit 6 - Structures				
		17.1	(1.0)	58.21	2.5
	loiler Plant	15.8	(5.0)	42.47	4.0
916660 J	urbogenerators	16.6	(2.0)	44.14	3.5
314840 £	icces. Electric Equipment	13.3	(3.0)	51.85	3.8
310000 1	Hiscattaneous	16.9	(2.0)	28.82	4.3

	COMPA	MY PROPOSAL		
AVERAGE REMAINING	NET	01/01/2000	REMAINING LIFE	
LIFE	SALVAGE	RESERVE	RATE	
39.0	(5.0)	26.63	2.0	
42.0 41.0	(5.0)	30.02	1.8	
41.0 26.0	(3.0)	16.15	2.1	
13.0	(5.0)	33.30	2.8	
13.0	(19.0)	59.51	4.6	
7.2	(1.0)	84.75	2.3	
6.5	(1.0)	71.21	4.6	
5.8 7.3	(1.0)	77.65	4.0	
7.3	(1.0)	82.41	2.5	
8.4	(1.0)	63.94	4.4	
7.6	(1.0)	71.05	3.9	
7.3	(1.0)	72.78	3.9	
6.6	(2.0)	85.07	2.6	
11.1	(4.0)	48.57	5.0	
9.2	(6.0)	52.65	5.8	
8.8	(5.0)	60.97	5.0	
8.9	(8.0)	62.00	5.2	
14.2	(8.0)	47.81	4.2	
11.0	(6.0)	56.57	4.5	
11.6	(3.0)	56,52	4.0	
14.1	(6.0)	23.31	5.9	
40.0	(5.0)	22.42	2.1	
11.1	(32.0)	90.30	3.8	
28.0	(8.0)	40.38	2.4	
21.0	(5.0)	40.68	3.1	
30.0	(15.0)	36.72	2.6	
38.0	(5.0)	37.17	1.8	
40.0	(8.0)	39.48	1.7	
30.0	(10.0)	32.42	2.6	
34.0	(3.0)	34.19	2.0	
27.0	(16.0)	47.56	2.5	

	COMPA	MY PROPOSAL			STAPP E	ECOMMENDED	
ERAGE	_		REMAINING	AVERAGE		GOOMERDED	REMAINING
MAINING	NET	01/01/2000	Life	REMAINING	MET	01/01/2000	LIFE
LIFE	SALVAGE	RESERVE	RATE	LIFE	SALVAGE	RESERVE	RATE
							RAIL
39.0	(5.0)	26.63	2.0	39.0	(5.0)	26,63	2.0
42.0 41.0	(5.0)	30.02	1.8	42.0	(5.0)	30.02	1.8
26.0	(3.0)	16.15	2.1	41.0	(3.0)	16.15	2.1
13.0	(5.0)	33.30	2.8	26.0	(5.0)	33.30	2.8
13.0	(19.0)	59.51	4.6	13.0	(19.0)	59.51	4.6
7.2	(1.0)	84.75	2.3	7.2	(1.0)	84.75	
6.5	(1.0)	71.21	4.6	6.5	(1.0)	71.21	2.3 4.6
5.8	(1.0)	77.65	4.0	5.8	(1.0)	77.65	4.0
7.3	(1.0)	82.41	2.5	7.3	(1.0)	82.41	2.5
8.4	(1.0)	63.94	4.4	8.4	(1.0)	63.94	
7.6	(1.0)	71.05	3.9	7.6	(1.0)	63.94 71.05	4.4
7.3	(1.0)	72.78	3.9	7.3	(1.0)	71.05	3.9
6.6	(2.0)	85.07	2.6	6.6	(2.0)	85.07	3.9 2.6
11.1	(4.0)	48.57	5.0	11.1	(4.0)	48.57	
9.2	(6.0)	52.65	5.8	9.2	(6.0)	52.65	5.0
8.8	(5.0)	60.97	5.0	8.8	(5.0)	60.97	5.8
8.9	(8.0)	62.00	5.2	8.9	(8.0)	62.00	5.0 5.2
14.2	(8.0)	47.81	4.2	14.2	(8.0)	4= 0.	
11.0	(6.0)	56.57	4.5	11.0	(6.0)	47.81 56.57	4.2
11.6	(3.0)	56.52	4.0	11.6	(3.0)	56.52	4.5
14.1	(6.0)	23.31	5.9	14.1	(6.0)	23.31	4.0 5.9
40.0	(5.0)	22.42	2.1	40.0	(5.0)	22.42	
11.1	(32.0)	90.30	3.8	11.1	(32.0)	90.30	2.1
28.0	(8.0)	40.38	2.4	28.0	(8.0)	40.38	3.8
21.0	(5.0)	40.68	3.1	21.0	(5.0)	40.68	2.4
30.0	(15.0)	36.72	2.6	30.0	(15.0)	36.72	3.1 2.6
38.0	(5.0)	37.17	1.8	38.0	(5.0)	27.18	
40.0	(8.0)	39.48	1.7	40.0	(8.0)	37.17	1.8
30.0	(10.0)	32.42	2.6	30.0	(10.0)	39.48 32.42	1.7
34.0	(3.0)	34.19	2.0	34.0	(3.0)	34.19	2.6
27.0	(16.0)	47.56	2.5	27.0	(16.0)	47.56	2.0 2.5

DATE: October 26, 2000

	ACCOUNT	
GANNON	ОВО	
	- Common -	
311700	Structures	
312700	Boiler Plant	
	- Unit 1 -	
311710	Structures	
	- Unit 2 -	
311720	Structures	
	- Unit 3 -	
311730	Structures	
	- Unit 4 -	
311740	Structures	

	CURREST				
Average Remaining Life	net Salvage	01/01/2000 RESERVE	REMAINING LIPE RATE		
(YRS)	(%)	(%)	(%)		
45.0	(2.0)	29.21	1.6		
42.0	(5.0)	25.96	1.9		
7.5	0.0	65.80	4.6		
8.5	0.0	62.84	4.4		
45.0	(2.0)	25.67	1.7		
44.0	(2.0)	27.19	1.7		

	COMPA	NY PROPOSAL	
AVERAGE REMAINING LIFE	NET SALVAGE	01/01/2000 RESERVE	REMAINING LIFE RATE
(YRS)	(%)	(%)	(%)
45.0	(2.0)	29.21	1.0
42.0	(5.0)	25.96	1.9
7.5	0.0	65.80	4.0
8.5	0.0	62.94	4.4
10.8	(2.0)	25.67	7.
12.9	(2.0)	27.19	5,:

	STAFF RECOMMENDATION				
AVERAGE REMAINING LIFE	NET BALVAGE	01/01/2000 RESERVE	REMAINING LIFE RATE		
(YRS)	(%)	(%)	(%)		
45.0 42.0	(2.0) (5.0)	29.21 25.96	1.6 1.9		
7.5	0.0	65.80	4.6		
8.5	0.0	62.94	4.4		
10.8	(2.0)	25.67	7.1		
12.9	(2.0)	27.19	5.8		

# TAMPA ELECTRIC COMPANY GANNON REPOWERING COMPARISON OF EXPENSES

Attachment A Page 3 of 4

			CURI	LENT	C	OMPANY PROP	CHANGE	ST	AFF RECOMME	CHANGE
ACCOUNT	1/1/2000 INVESTMENT	1/1/2000 RESERVE	RATE	EXPENSES	RATE	EXPENSES	in Expenses	RATE	EXPENSES	in Expreses
			(%)	(\$)	(%)	(\$)	(\$)	(%)	(\$)	(\$)
GANNON STATION Common				į						
311500 Structures	24,369,938	6,489,187	2.0	487,399	2.0	487,399	o	2.0	487,399	o
312500 Boiler Plant	1,296,355	389,117	1.8	23,334	1.8	23,334	ŏ	1.8	23,334	ő
314500 Turbogenerators	1,978,662	319,482	2.1	41.552	2.1	41,552	o	2.1	41,552	ŏ
315500 Acces. Electric Equipment	2,491,525	829,669	2.8	69,763	2.8	69,763	o	2.8	69,763	ă
316500 Miscellaneous	2,955,345	1,758,606	4.6	135,946	4.6	135,946	ŏ	4.6	135,946	Č
	33,091,825	9,786,061	,	757,994		757,994	0		757,994	
Unit 1	.,. ,	.,. ,	H	,	N. C.	,	-	\ <u>\</u>	701,221	•
311510 Structures	715,569	606,466	2.3	16,458	2.3	16,458	o	2.3	16,458	0
314510 Turbogenerators	8,831,396	6,288,908	4.6	406,244	4.6	406,244	o	4.6	406,244	ā
315510 Acces. Electric Equipment	1,111,090	862,770	4.0	44,444	4.0	44,444	0	4.0	44,444	ō
316510 Miscellaneous	91,180	75,141	2.5	2,280	2.5	2,280	O	2.5	2,280	ō
	10,749,235	7,833,285		469,426		469,426	0		469,426	
Unit 2				,	ľ	•	Į.		,	•
311520 Structures	1,355,647	866,781	4.4	59,648	4.4	59,648	o	4.4	59,648	o
314520 Turbogenerators	11,070,387	7,865,437	3.9	431,745	3.9	431,745	o	3.9	431,745	ā
315520 Acces. Electric Equipment	828,669	603,089	3.9	32,318	3.9	32,318	o	3.9	32,318	Ö
316520 Miscellaneous	37,578	31,969	2.6	977	2.6	977	ol	2.6	977	Õ
	13,292,281	9,367,276		524,688	ĺ	524,688	0	1	524,688	0
Unit 3				j	1	·	i		•	
311530 Structures	777,295	377,510	1.5	11,659	5.0	38,865	27,206	5.0	38,865	27,206
314530 Turbogenerators	11,851,627	6,240,385	2.2	260,736	5.8	687,394	426,658	5.8	687,394	426,658
315530 Acces. Electric Equipment	1,123,838	685,183	2.7	30,344	5.0	56,192	25,848	5.0	56,192	25,848
316530 Miscellaneous	40,883	25,349	2.1	859	5.2	2,126	1,267	5.2	2,126	1,267
	13,793,643	7,328,427		303,598	į	784,577	480,979		784,577	480,979
Unit 4									•	,
311540 Structures	495,430	236,870	1.8	8,918	4.2	20,808	11,890	4.2	20,808	11,890
314540 Turbogenerators	8,668,819	4,903,683	2.2	190,714	4.5	390,097	199,383	4.5	390,097	199,383
315540 Acces, Electric Equipment	986,581	557,601	3.1	30,584	4.0	39,463	8,879	4.0	39,463	8,879
316540 Miscellaneous	54,245	12,643	2.0	1,085	5.9	3,200	2,115	5.9	3,200	2,115
	10,205,075	5,710,797	1	231,301		453,568	222,267	l l	453,568	222,267
Unit 5							H			•
311550 Structures	2,529,549	567,169	2.1	53,121	2.1	53,121	o∥	2.1	53,121	0
312550 Boiler Plant	26,886	24,277	3.8	1,022	3.8	1,022	o	3.8	1,022	O
314550 Turbogenerators	12,622,806	5,096,900	2.4	302,947	2.4	302,947	O	2.4	302,947	0
315550 Acces, Electric Equipment	2,157,263	877,588	3.1	66,875	3.1	66,875	0	3.1	66,875	0
316550 Miscellaneous	182,812	67,127	2.6	4,753	2.6	4,753	0	2.6	4,753	0
	17,519,316	6,633,061		428,718		428,718	0		428,718	0
Unit 6					l			i		
311560 Structures	1,462,934	543,701	2.5	,	1.8	26,333	(86,887)	1.8	26,333	(86,887
312560 Boiler Plant	502,748	198,502	4.0	-, , +	1.7	8,547	(1,477,631)	1.7	8,547	(1,477,631
314560 Turbogenerators	23,094,030	7,487,892	3.5	,	2.6	600,445	(212,443)	2.6	600,445	(212,443)
315560 Acces. Electric Equipment	2,200,199	752,353	3.8	,	2.0	44,004	(205,073)	2.0	44,004	(205,073
316560 Miscellaneous	167,144	79,490	4.3		2.5	4,179	(22,487)	2.5	4,179	(22,487)
	27,427,055	9,061,938		* 2,688,029		683,508	(2,004,521)		683,508	(2,004,521)
Total Gannon	126,078,430	55,720,845		5,403,754		4,102,479	(1,301,275)	Ų.	4,102,479	[1,301,275]

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<sup>\*</sup> Represents expenses resulting from initial planning.

# TAMPA ELECTRIC COMPANY GANNON REPOWERING COMPARISON OF EXPENSES

				CURE	ENT
ACCOUN	т	1/1/2000 INVESTMENT	1/1/2000 RESERVE	RATE	expenses
GANNON	OBO			(%)	(\$)
	- Common -				
311700	Structures	3,239,837	946,357	1.6	51,837
312700	Boiler Plant	588,209	152,677	1.9	11,176
		3,828,046	1,099,034	\	63,013
	- Unit 1 -				•
311710	Structures	147,926	97,335	4.6	6,805
	- Unit 2 -			1	
311720	Structures	167,460	105,393	4.4	7,368
	- Unit 3 -				
311730	Structures	279,846	71,839	1.7	4,757
	- Unit 4 -				
311740	Structures	369,131	100,369	1.7	6,275
	Total Gannon OBO	4,792,409	1,473,970		88,219
TOTAL G	annon station remaining assets	130,870,839	57,194,815		5,491,973
RECOV	ERY SCHEDULE RETIREMENTS	332,343,139	244,609,218	5-Yr. Recov.	13,874,690
TOTAL	GANNON REPOWERING	463,213,978	301,804,033		19,366,663

COMPANY PROPOSAL						
		CHANGE				
RATE	EXPENSES	IN EXPENSES				
(%)	(\$)	(\$)				
1.6	51,837	o				
1.9	11,176	- 0				
	63,013	0				
4.6	6,805	o				
4.4	7,368	o				
7.1	19,869	15,112				
5.8	21,410	15,134				
	118,465	30,246				
	4,220,944	(1,271,029				
Yr. Recov	18,169,902	4,295,212				
	200000					
	22,390,846	3,024,183				

STA	IFF RECOMME	
		CHANGE
RATE	expenses	in Expenses
(%)	(\$)	(\$)
` '	***	447
1.6	51,837	0
1.9	11,176	Ū
	63,013	- 0
4.6	6,805	0
4.4	7,368	0
7.1	19,869	15,112
5.8	21,410	15,134
	118,465	30,246
	4,220,944	(1,271,029
5-Yr. Recov	18,169,902	4,295,212
	22,390,846	3,024,183

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