Appendix 8 Estimate of Unrecovered Depreciation and Accumulated Reserve Variance for the CTGS

		Actual Orginial Cost at Net Addtions and Net Addtions and Orginial Cost					outstate : :	F	0		
		12/31/2017	Retirements 2018	Retirements 2019	at 12/31/2019	Forecast 2020 Retirement	Orginial Cost at 12/31/2020	Forecast 2021 Retirement	Orginial Cost at 12/31/2021		
	Structures and Improvements	9,006,038	(1,188)	56,995	9,061,845	-	9,061,845	(9,061,845)		-	
	Boiler Plant Equipment	26,445,980	(2,597)	(650,236)	25,793,147	-	25,793,147	(25,793,147)	-		
	Turbogenerator Units										
	Unit 7	1,954,691	-	(1,954,691)	-		-		-		
	Unit 8	3,909,382	-	-	3,909,382	(3,909,382)	-	-	-		
	Units 9 and 10	15,637,528	8,464	-	15,645,992		15,645,992	(15,645,992)	-	_	
	Total Turbgenerator Units	21,501,601	8,464	(1,954,691)	19,555,374	(3,909,382)	15,645,992	(15,645,992)	-		
	Accessory Electrical Equipment	2,283,113	-	-	2,283,113		2,283,113	(2,283,113)	-		
	Miscellaneous Power Plant Equipment	1,512,887	-	-	1,512,887		1,512,887	(1,512,887)			
		60,749,619	4,680	(2,547,932)	58,206,367	(3,909,382)	54,296,985	(54,296,985)	-	_	
	Decommissioning Costs, net of salvage	11,298,000	(760,052)	(398,340)	10,139,608	(415,000)	9,724,608				
		72,047,619	i		68,345,975	=	64,021,593				
		Accumulated									
		Depreciation ("A/D") 12/31/2017	2018	2018 Retirements & Retirement Expense	2019	2019 Retirements & Retirement Expense	A/D 12/31/19				
	Amortization Expense - Actual	(7,0) 12/31/2017	2010	neurement Expense	2013	near ement Expense	7 0 12/31/13				
	Structures and Improvements	5,576,582	842,009	(681,135)	844,618	(398,170)	6,183,904				
	Boiler Plant Equipment Turbogenerator Units	19,588,953	2,023,018	(77,415)		(652,576)	22,880,027				
	Unit 7	1,373,687	160,285	(13,422)	80,143	(1,954,861)	(354,168)				
	Unit 8	2,633,028	320,569		320,569		3,274,166				
	Units 9 and 10	10,098,042	1,282,624		1,282,971		12,663,637				
	Total Turbgenerator Units	14,104,757	1,763,478	(13,422)	1,683,683	(1,954,861)	15,583,635				
	Accessory Electrical Equipment	1,996,684	117,352		117,352		2,231,388				
	Miscellaneous Power Plant Equipment	1,196,410	105,751		105,751		1,407,912				
		42,463,386	4,851,608	(771,972)	4,749,451	(3,005,607)	48,286,866				
	Asset Retirements			11,920		2,607,267					
	Retirement Expense			760,052		398,340					
Annual								2020 Retirements			
reciation	Forecast Amortization Expense - per			2018 Retirements &		2019 Retirements &		& Retirement			
	2017 Study	A/D 12/31/2017	2018	Retirement Expense	2019	Retirement Expense	2020	Expense	2021	_	
14.41% 11.34%	Structures and Improvements Boiler Plant Equipment	5,576,582 19,588,953	1,297,684 2,998,827	(681,135) (77,415)		(398,170) (652,576)	1,305,812 2,924,943	(415,000)	652,906 1,462,471		
24.47%	Turbogenerator Units Unit 7	1,373,687	478,313	(13,422)	239,156	(1,954,861)	_		_		
17.32%	Unit 8	2,633,028	677,105	(13,422)	677,105	(1,334,001)	338,552	(3,909,382)	-		
13.70%	Units 9 and 10	10,098,042	2,142,921	_	2,143,501		2,143,501	(3,303,382)	1,071,750		
	Total Turbgenerator Units	14,104,757	3,298,339	(13,422)		(1,954,861)	2,482,053	(3,909,382)	1,071,750	-	
7.99%	Accessory Electrical Equipment	1,996,684	182,421	-	182,421		182,421		91,210		
10.18%	Miscellaneous Power Plant Equipment	1,196,410	154,012	-	154,012		154,012		77,006	=	
		42,463,386	7,931,283	(771,972)	7,659,712	(3,005,607)	7,049,241	(4,324,382)	3,355,344	60,357,005	3,
	Difference - Study less Actual	-	3,079,675		2,910,261					_	3,
			Α		В	•				_	
	Composite Rate		13.06%		13.16%		12.98%		12.36%		