

Power Management FY2014 Budget Presentation

**Facilities Committee Meeting
February 12, 2014**

Summary

- Power Management Program (Increases by \$154,908*)
 - PM Materials, supplies and services increases by \$14,780
 - PM business unit staffing levels are unchanged (25 FTE's)
 - Programmatic work areas unchanged

- Direct Charge Programs Funded in 2014 Continue
 - Market Purchase Program
 - Gas Purchase Program
 - Green Power Project (Finishing approved projects)
 - Fuel Acquisition and Management

- Judicial Action Program
 - Western effort remains unchanged (\$25k)
 - CAISO effort unchanged (\$475k)
 - Refund effort unchanged (\$25k)
 - PG&E effort unchanged (\$50K)

Labor Hour Changes (Forecasting Division)

- Part time position eliminated (reduction of 1040 hours to PM allocations)
- Green Pool labor hours reduced and reallocated among PM budget categories (reduction of 1140 hours from direct charge program)
- Lodi Energy Center Construction labor hours reduced and reallocated among PM budget categories (reduction of 277 hours from direct charge program)
- Market Purchase Program labor hours increased, subtracting from PM budget categories (increase of 256 hours to direct charge program)
- Gas Purchase Program labor hours increased, subtracting from PM budget categories (increase of 96 Hours to direct charge program)



FY15 Labor Hours for Forecasting Division

		FORECASTING & PRESCHEDULING						OTHER RESOURCES						
		Resource	Power &	Daily, Monthly	Power	Facilities		NCPA	Market	Gas	Lodi			
		Optimization, Risk	Fuel	Risk Analysis	Pool	Agreement		Green Power	Gas	Purchase	Purchase	Energy		
		Forecasting	Analysis & Mgmt.	Transactions	& Mgmt.	Administration	Administration	Hydro	Project **	CT & STIG	Program	Program	Center	
Name	Position	557-102-100	557-102-200	557-102-300	557-102-400	557-102-500	557-102-600	535-008-000	557-110-000	557-024-000	557-120-000	557-115-000	Total	
		532-010-000	532-010-000	532-010-000	532-010-000	532-010-000	532-010-000	532-010-000	532-010-000	532-010-000	532-010-000	532-010-000		
Lee, Thomas S.W.	Supervisor III	406	538	147	200	414	50		200	25	50	50	-	2,080
Bonato, Jan	Engineer/Energy Resource Analyst IV	1,413	284	33	-	150	100	-	-	-	50	50	-	2,080
Goeke, Kenneth	Engineer/Energy Resource Analyst IV	754	482	36	454	219	100				25	10	-	2,080
Biedler, Gillian	Engineer/Energy Resource Analyst IV	200	831	136	393	100	100	-	-	120	150	50	-	2,080
Imamura, Donald T.	Scheduler/Planner, Power	89	493	107	663	308	100				200	120	-	2,080
McMahan, Kevin	Lead Pre-Scheduler	25		258	1,647	25	125						-	2,080
Mensonides, Phillip	Scheduler/Planner, Power	86	100	100	987		107	700						2,080
Wilson, Deborah	Office Assistant I (Casual)													-
Vacant	Student Assistant (Casual) *													-
Vacant	Student Assistant (Casual) *													-
	FY15 Total Hours	2,973	2,728	817	4,344	1,216	682	700	200	145	475	280	-	14,560
	Total in Person Years	1.43	1.31	0.39	2.09	0.58	0.33	0.34	0.10	0.07	0.23	0.13		7.00
	FY14 Total Hours	2930	3174	690	3633	1208	597	1248	1340	100	219	184	277	15600
	Total in Person Years	Gree	1.53	0.33	1.75	0.58	0.29	0.60	0.64	0.05	0.11	0.09	0.13	7.5



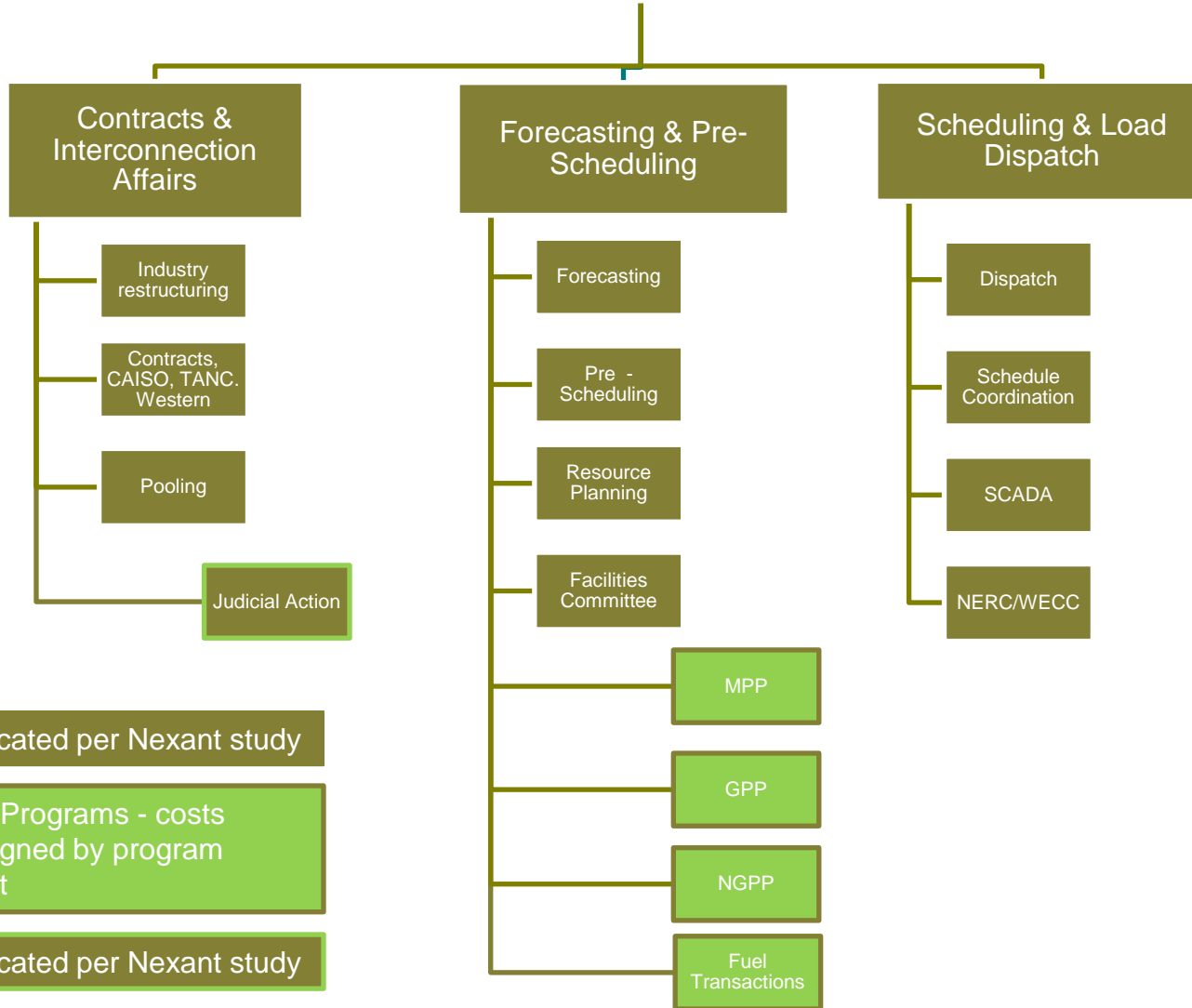
FY14 Labor Hours for Forecasting Division

		FORECASTING & PRESCHEDULING						OTHER RESOURCES						
		Resource	Power &	Daily, Monthly	Power	Facilities		NCPA		Market	Gas	Lodi		
		Optimizatin, Risk	Fuel	Risk Analysis	Pool	Agreement		Green Power	Gas	Purchase	Purchase	Energy		
		Forecasting	Analysis & Mgmt.	Transactions	& Mgmt.	Administration	Administration	Hydro	Project **	CT & STIG	Program	Program	Center	
Name	Position	557-102-100	557-102-200	557-102-300	557-102-400	557-102-500	557-102-600	535-008-000	557-110-000	557-024-000	557-120-000	557-115-000	549-009-000	Total
		532-010-000	532-010-000	532-010-000	532-010-000	532-010-000	532-010-000	532-010-000	532-010-000	532-010-000	532-010-000	532-010-000	532-010-000	
Lee, Thomas S.W.	Supervisor III	385	488	147	173	414	100		200	25	24	24	100	2,080
Bonatto, Jan	Engineer/Energy Resource Analyst III	1,413	159	33		175	100		100		50	50		2,080
Goeke, Kenneth	Engineer/Energy Resource Analyst IV	754	454	36	454	219					25	10	128	2,080
Griffith, Dana Wm	Engineer/Energy Resource Analyst IV	186	550	50			164		1,040	75			15	2,080
Imamura, Donald T.	Scheduler/Planner, Power	89	483	107	663	400	108				120	100	10	2,080
McMahan, Kevin	Lead Pre-Scheduler	17		258	1,656		125						24	2,080
Vacant	Scheduler/Planner, Power	86		59	687			1,248						2,080
Wilson, Deborah	Office Assistant I (Casual)		1,040											1,040
Vacant	Student Assistant (Casual) *													-
Vacant	Student Assistant (Casual) *													-
Total Hours		2,930	3,174	690	3,633	1,208	597	1,248	1,340	100	219	184	277	15,600
Total in Person Years		1.41	1.53	0.33	1.75	0.58	0.29	0.60	0.64	0.05	0.11	0.09	0.13	7.50

Focus Areas for FY15

- Power Management Cost Allocation Study
- CAISO Market Initiatives
 - Flexible Capacity Procurement
 - Issues starting in FY14 with carry-over to FY15
 - EIM start up/implementation issues
 - ◆ Scheduled to start October 2014
 - FERC Order 764 Implementation Issues (15 Minute Scheduling
 - ◆ Scheduled to start April 2014
 - Reliability Services (aka Capacity Market Structure)
 - Full Network Model (modeling external BA's to manage loop flow)
- Member request management system
- Share point – contract administration system

Power Management Service Structure

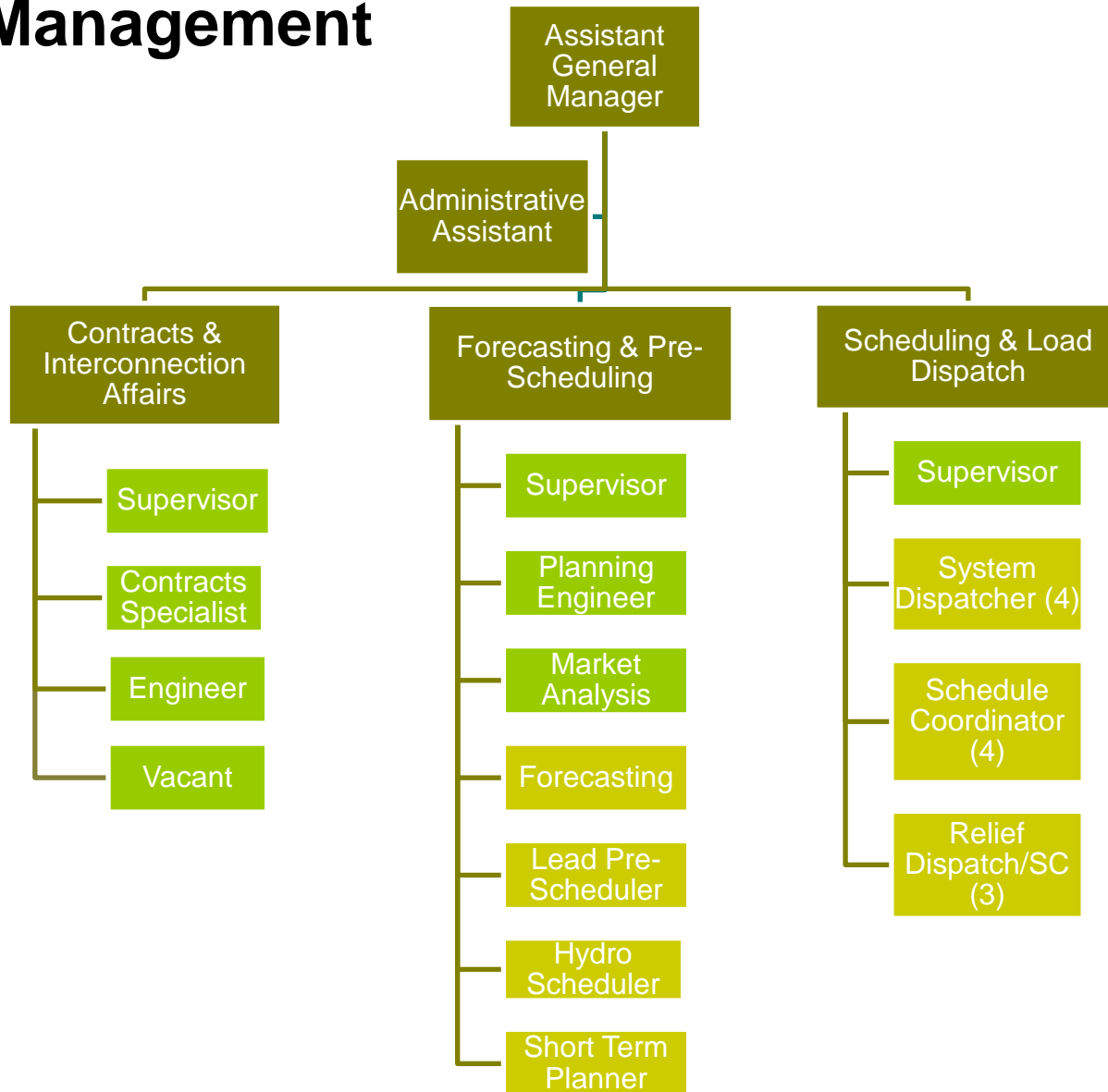


Costs allocated per Nexant study

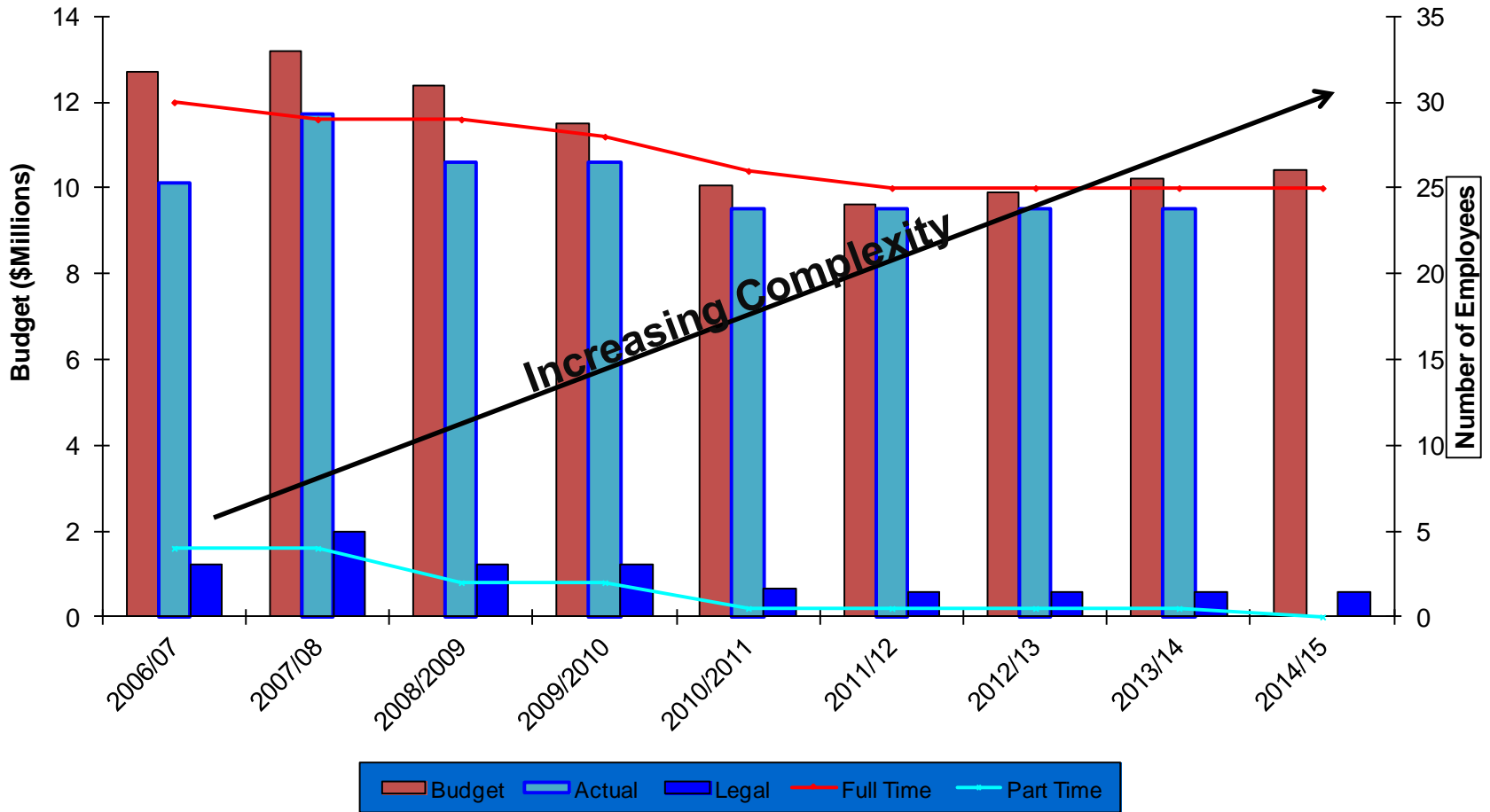
3rd Phase Programs - costs direct assigned by program agreement

Costs allocated per Nexant study

Power Management



Historical Staffing, Budget and Expenditure Levels



Complexity Background Information

- Power Management and Administrative Service budget and staff metrics
 - PM&AS budget down by 21% since peak in 2008
 - PM FTE staff down by 17% since peak in 2007
 - Implemented 5 major new initiatives since 2008
 - MRTU and various other market initiatives
 - NERC reliability program
 - Contract Programs (SMSA, MPP, GPP, NGPP, Meter Maintenance)
 - AB32 GHG tracking, reporting, and compliance
 - RPS QE metering, tracking and reporting

Complexity Background Information (cont)

- Implemented 7 major new tasks associated with MRTU
 - CRR nominations, coordination and reconciliation
 - RA demonstration, coordination and reconciliation
 - Outage coordination and reconciliation
 - Western Displacement Program
 - Changing Collateral and Security Requirements
 - Increased complexity associated with CAISO settlements
 - Increased complexity associated with scheduling and portfolio optimization

Complexity Background Information (cont)

- Added 1 new NCPA resource since 2008
 - LEC (NCPA)
- Added three Tri- Dam Units beginning January 1, 2014
 - Donnell's (SVP)
 - Beardsley (SVP)
 - Tulloch (SVP)
- Added 11 new member resources since 2008
 - Palo Alto Co-bug (PA)
 - Keller Canyon LFG (AL/PA)
 - Ox Mountain LFG (AL/PA)
 - Santa Cruz LFG (AL/PA)
 - Richmond LFG (AL)
 - Butte County LFG (AL)
 - Plumas High Sierra Co-Gen (PS)
 - Lake Mendocino Hydro (UK)
 - Gridley Solar (GR)
 - BART Solar (BART)
 - Johnson Canyon LFG (PA)

Complexity Background Information Conclusions

- Member value has increased
 - Complex industry operating environment changes managed seamlessly for members
 - NCPA **responsibilities have increased** each year of the last six year period
 - Annualized NCPA **costs and staffing have decreased** since the peaks in 2007 and 2008
- **Value increased** = NCPA doing more/Members getting more for less
- **Efficiency increased** = increased change in output/decreased change in input



SUMMARY OF POWER MANAGEMENT REVENUES AND EXPENSES FOR FY 2015										
	Administration	SCALD	Forecasting, Pooling, Preschedule & Trading	Transmission Planning & Design	Restructuring & Regulatory Affairs	Contracts, Interconnect Services & External Affairs	Subtotal Power Management Program	Risk Management	Settlements	Total Power Management Allocated
Power Management Direct Costs										
Salaries and Benefits	\$ 518,649	\$ 2,638,959	\$ 1,411,316	\$ -	\$ 229,405	\$ 648,615	\$ 5,446,944	\$ -	\$ -	\$ 5,446,944
Materials, Supplies and Services	\$ 88,109	\$ 175,000	\$ 284,016	\$ -	\$ 60,856	\$ 109,330	\$ 717,311	\$ -	\$ -	\$ 717,311
Capital Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ 606,758	\$ 2,813,959	\$ 1,695,332	\$ -	\$ 290,261	\$ 757,945	\$ 6,164,255	\$ -	\$ -	\$ 6,164,255
Direct Charges from Others	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Information Systems Salaries & Benefits	\$ -	\$ 819,979	\$ 153,694	\$ -	\$ -	\$ -	\$ 973,673	\$ -	\$ 228,819	\$ 1,202,492
Combustion Turbine Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Accounting & Finance Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,691	\$ -	\$ 8,691
Administrative Services Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Power Accounts Administration Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 186,074	\$ 231,693	\$ 417,767
Materials, Supplies and Services	\$ -	\$ 401,000	\$ -	\$ -	\$ -	\$ -	\$ 401,000	\$ 148,850	\$ -	\$ 549,850
Subtotal	\$ -	\$ 1,220,979	\$ 153,694	\$ -	\$ -	\$ -	\$ 1,374,673	\$ 343,615	\$ 460,512	\$ 2,178,800
Administrative and General	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Administrative	\$ -	\$ 614,211	\$ 280,466	\$ -	\$ 42,528	\$ 115,828	\$ 1,053,033	\$ 39,835	\$ 102,766	\$ 1,195,634
General	\$ -	\$ 202,029	\$ 93,104	\$ -	\$ 14,404	\$ 38,299	\$ 347,836	\$ 14,289	\$ 31,996	\$ 394,121
Subtotal	\$ -	\$ 816,240	\$ 373,570	\$ -	\$ 56,932	\$ 154,127	\$ 1,400,869	\$ 54,124	\$ 134,762	\$ 1,589,755
Occupancy Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
HQ Main Building	\$ -	\$ 234,114	\$ 105,619	\$ -	\$ 15,498	\$ 44,030	\$ 399,261	\$ 12,840	\$ 41,750	\$ 453,851
HQ Credit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ -	\$ 234,114	\$ 105,619	\$ -	\$ 15,498	\$ 44,030	\$ 399,261	\$ 12,840	\$ 41,750	\$ 453,851
Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Scheduling Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Services for Others	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 606,758	\$ 5,085,292	\$ 2,328,215	\$ -	\$ 362,691	\$ 956,102	\$ 9,339,058	\$ 410,578	\$ 637,024	\$ 10,386,660
PM Admin Liquidations to PM Allocated P	\$ (606,758)	\$ 340,365	\$ 155,974	\$ -	\$ 24,485	\$ 63,935				\$ -
Total	\$ -	\$ 5,425,657	\$ 2,484,189	\$ -	\$ 387,176	\$ 1,020,037	\$ 9,339,058	\$ 410,578	\$ 637,024	\$ 10,386,660



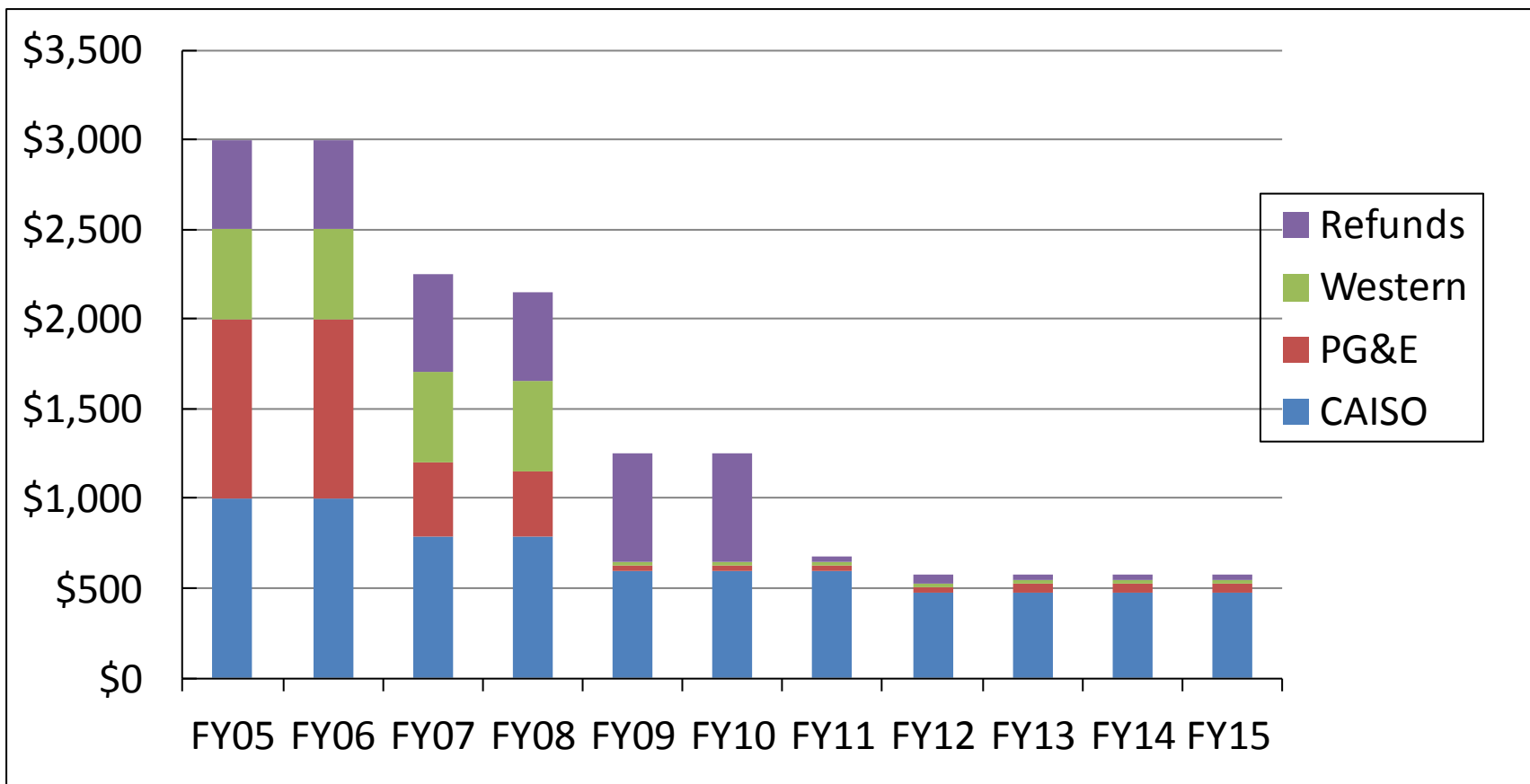
COMPARISON OF POWER MANAGEMENT REVENUES AND EXPENSES FOR FISCAL YEARS 2008 THROUGH 2015

	Total FY2008	Total FY2009	Total FY2010	Total FY2011	Total FY2012	Total F2013	Total FY2014	Total FY2015	Budget Change (\$)	Budget Change (%)
Power Management Direct Costs										
Salaries and Benefits	\$ 5,034,047	\$ 5,011,686	\$ 4,829,176	\$ 4,831,815	\$ 4,781,873	\$ 5,083,346	\$ 5,306,816	\$ 5,446,944	\$ 140,128	2.57%
Materials, Supplies and Services	\$ 1,639,669	\$ 1,150,064	\$ 825,494	\$ 815,249	\$ 667,195	\$ 704,062	\$ 702,531	\$ 717,311	\$ 14,780	2.06%
Capital Equipment	\$ 256,707	\$ 255,924	\$ 255,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!
Subtotal	\$ 6,930,423	\$ 6,417,674	\$ 5,910,335	\$ 5,647,064	\$ 5,449,068	\$ 5,787,408	\$ 6,009,347	\$ 6,164,255	\$ 154,908	2.51%
								\$ -		
Direct Charges from Others								\$ -		
Information Systems Salaries & Benefits	\$ 2,124,387	\$ 2,129,117	\$ 1,976,187	\$ 1,279,128	\$ 1,179,078	\$ 1,242,061	\$ 1,163,909	\$ 1,202,492	\$ 38,583	3.21%
Combustion Turbine Salaries & Benefits	\$ 148,999	\$ 44,482	\$ 49,097	\$ 51,225	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!
Accounting & Finance Salaries & Benefits	\$ 18,325	\$ 19,343	\$ 19,472	\$ 19,923	\$ 10,262	\$ 10,644	\$ -	\$ 8,691	\$ 8,691	100.00%
Administrative Services Salaries & Benefits	\$ 201,178	\$ 213,151	\$ 192,477	\$ 195,427	\$ 195,807	\$ 196,986	\$ 6,296	\$ -	\$ (6,296)	#DIV/0!
Power Accounts Administration Salaries & Be	\$ 832,994	\$ 899,440	\$ 802,772	\$ 767,341	\$ 488,283	\$ 489,755	\$ 606,268	\$ 417,767	\$ (188,502)	-45.12%
Materials, Supplies and Services	\$ 1,062,056	\$ 805,372	\$ 817,943	\$ 383,309	\$ 553,130	\$ 471,520	\$ 483,824	\$ 549,850	\$ 66,026	12.01%
Subtotal	\$ 4,387,939	\$ 4,110,905	\$ 3,857,948	\$ 2,696,353	\$ 2,426,560	\$ 2,410,966	\$ 2,260,297	\$ 2,178,800	\$ (81,498)	-3.74%
								\$ -		
Administrative and General								\$ -		
Administrative	\$ 929,591	\$ 952,071	\$ 859,334	\$ 877,653	\$ 913,195	\$ 1,109,035	\$ 1,206,768	\$ 1,195,634	\$ (11,135)	-0.93%
General	\$ 422,313	\$ 426,640	\$ 387,917	\$ 334,552	\$ 326,110	\$ 325,371	\$ 375,072	\$ 394,121	\$ 19,049	4.83%
Subtotal	\$ 1,351,904	\$ 1,378,711	\$ 1,247,251	\$ 1,212,205	\$ 1,239,305	\$ 1,434,406	\$ 1,581,840	\$ 1,589,755	\$ 7,915	0.50%
								\$ -		
Occupancy Costs								\$ -		
HQ Main Building	\$ 608,972	\$ 595,129	\$ 601,423	\$ 490,887	\$ 477,898	\$ 477,407	\$ -	\$ 453,851	\$ 453,851	100.00%
HQ Credit	\$ (12,903)	\$ (12,903)	\$ (12,898)	\$ (6,441)	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!
Subtotal	\$ 596,069	\$ 582,226	\$ 588,525	\$ 484,446	\$ 477,898	\$ 477,407	\$ 458,451	\$ 453,851	\$ (4,600)	-1.01%
								\$ -		
Revenue								\$ -		
Interest Income	\$ (54,248)	\$ (42,857)	\$ (4,019)	\$ (2,322)	\$ (2,412)	\$ (211)	\$ (1,955)	\$ -	\$ 1,955	#DIV/0!
Scheduling Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!
Services for Others	\$ -	\$ -	\$ (76,000)	\$ -	\$ -	\$ (148,628)	\$ (111,722)	\$ -	\$ 111,722	#DIV/0!
Subtotal	\$ (54,248)	\$ (42,857)	\$ (80,019)	\$ (2,322)	\$ (2,412)	\$ (148,839)	\$ (113,677)	\$ -	\$ 113,677	#DIV/0!
								\$ -		
Total	\$ 13,212,087	\$ 12,446,659	\$ 11,524,040	\$ 10,037,746	\$ 9,590,419	\$ 9,961,348	\$ 10,196,258	\$ 10,386,660	\$ 190,402	1.83%

Third Phase Programs and Projects under the Power Management Business Unit

- Green Power Project (\$88,110) [\$190,482 reduction]
 - BART, Healdsburg, Gridley, Lodi, Lompoc, ~~Palo Alto~~, ~~Plumas Sierra REC~~, ~~SVP~~ and Ukiah
 - Budget structured for approved open projects (No PS&I included)
- Market Purchase Program (\$116,169) [\$16,882 increase]
 - Alameda, Biggs, BART, Gridley, Healdsburg, Lompoc, Lodi and Ukiah
- Fuel Acquisition and Management (\$83,445) [\$18,629 reduction]
 - CT1 and STIG
- Gas Purchase Program – (\$81,149) [\$5,108 Reduction]
 - Biggs, Gridley, Healdsburg, Lompoc, Lodi and Ukiah

JUDICIAL ACTION



Allocated in accordance with Nexant “Industry Restructuring” allocation methodology – 1/3 Power Pool Management, 2/3 Resource Management



	Administration	Total
Power Management Direct Costs		
Salaries and Benefits	\$ 518,649	\$ 518,649
Materials, Supplies and Services	\$ 88,109	\$ 88,109
Capital Equipment		
Subtotal	\$ 606,758	\$ 606,758
Direct Charges from Others		
Information Systems Salaries & Benefits	\$ -	\$ -
Combustion Turbine Salaries & Benefits	\$ -	\$ -
Accounting & Finance Salaries & Benefits	\$ -	\$ -
Administrative Services Salaries & Benefits	\$ -	\$ -
Power Accounts Administration S&B	\$ -	\$ -
Materials Supplies and Services		
Subtotal	\$ -	\$ -
Administrative and General		
Administrative	\$ -	\$ -
General	\$ -	\$ -
Subtotal	\$ -	\$ -
Occupancy Costs		
HQ Main Building	\$ -	\$ -
HQ Credit		
Subtotal	\$ -	\$ -
Revenue		
Interest Income	\$ -	\$ -
Scheduling Services		
Services for Others		
Subtotal	\$ -	\$ -
Total	\$ 606,758	\$ 606,758



Administration		
	Administration	Total
Power Management Direct Costs		
Salaries and Benefits	\$ 518,649	\$ 518,649
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Capital Equipment		
Subtotal	\$ 606,758	\$ 606,758
Direct Charges from Others		
Information Systems Salaries & Benefits	\$ -	\$ -
Combustion Turbine Salaries & Benefits	\$ -	\$ -
Accounting & Finance Salaries & Benefits	\$ -	\$ -
Administrative Services Salaries & Benefits	\$ -	\$ -
Power Accounts Administration S&B	\$ -	\$ -
Materials Supplies and Services	\$ -	\$ -
Subtotal	\$ -	\$ -
Administrative		
Administrative	Misc Studies – 160 hrs - \$24,000	\$ -
General	General Counsel – 120 hrs - \$30,000	\$ -
Subtotal	Travel & Meetings - \$26,000	\$ -
Occupancy		
HQ Main Building	\$ -	\$ -
HQ Credit	\$ -	\$ -
Subtotal	\$ -	\$ -
Revenue		
Interest Income	\$ -	\$ -
Scheduling Services		
Services for Others		
Subtotal	\$ -	\$ -
Total	\$ 606,758	\$ 606,758

Misc Studies – 160 hrs - \$24,000
 General Counsel – 120 hrs - \$30,000
 Travel & Meetings - \$26,000



System Control and Load Dispatch					
	Dispatch & RT Resource Management	Schedule Coordination	System Control & Data Acquisition	WECC	Total
Power Management Direct Costs					
Salaries and Benefits	\$ 1,121,564	\$ 1,400,673	\$ 6,468	\$ 110,254	\$ 2,638,959
Materials, Supplies and Services	\$ 33,100	\$ 24,100	\$ 50,000	\$ 67,800	\$ 175,000
Capital Equipment (P+) or Debt Service (P&I)	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ 1,154,664	\$ 1,424,773	\$ 56,468	\$ 178,054	\$ 2,813,959
Direct Charges from Others					
Information Systems Salaries & Benefits	\$ 81,361	\$ 396,466	\$ 342,152	\$ -	\$ 819,979
Combustion Turbine Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -
Accounting & Finance Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -
Administrative Services Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -
Power Accounts Administration S&B	\$ -	\$ -	\$ -	\$ -	\$ -
Other Materials Supplies and Services/Debt S	\$ 5,500	\$ 10,000	\$ 385,500	\$ -	\$ 401,000
Subtotal	\$ 86,861	\$ 406,466	\$ 727,652	\$ -	\$ 1,220,979
Administrative and General					
Administrative	\$ 197,465	\$ 317,768	\$ 77,028	\$ 21,950	\$ 614,211
General	\$ 64,045	\$ 101,923	\$ 28,151	\$ 7,910	\$ 202,029
Subtotal	\$ 261,510	\$ 419,691	\$ 105,179	\$ 29,860	\$ 816,240
Occupancy Costs					
HQ Main Building	\$ 77,371	\$ 126,196	\$ 23,474	\$ 7,073	\$ 234,114
HQ Credit	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ 77,371	\$ 126,196	\$ 23,474	\$ 7,073	\$ 234,114
Revenue					
Interest Income	\$ -	\$ -	\$ -	\$ -	\$ -
Scheduling Services	\$ -	\$ -	\$ -	\$ -	\$ -
Services for Others	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 1,580,406	\$ 2,377,126	\$ 912,773	\$ 214,987	\$ 5,085,292



System Control and Load Dispatch

	Dispatch & RT Resource Management	Schedule Coordination	System Control & Data Acquisition	WECC	Total
Power Management Direct Costs					
Salaries and Benefits	\$ 1,121,564	\$ 1,400,673	\$ 6,468	\$ 110,254	\$ 2,638,959
Materials, Supplies and Services	\$ 33,100	\$ 24,100	\$ 50,000	\$ 67,800	\$ 175,000
Capital Equipment (P+) or Debt Service (P&I)	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ 1,154,664	\$ 1,424,773	\$ 6,468	\$ 178,054	\$ 2,813,959
Direct Charges from Others					
Information Systems Salaries & Benefits	\$ 81,361	\$ 396,466	\$ 152	\$ -	\$ 477,979
Combustion Turbine Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -
Accounting & Finance Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -
Administrative Services Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -
Power Accounts Administration	\$ -	\$ -	\$ -	\$ -	\$ -
Other Materials Supplies/Services/Debt Service	\$ -	\$ 10,000	\$ -	\$ -	\$ 10,000
	\$ -	\$ 406,466	\$ -	\$ -	\$ 406,466
Travel - \$5,000 Staff Development - \$20,700 Legal - 40hrs - \$2,000 Misc- \$5,400	\$ 465	\$ 317,768	\$ -	\$ 21,930	\$ 344,211
	\$ 4,045	\$ 101,923	\$ -	\$ 7,910	\$ 202,029
	\$ 51,510	\$ 419,691	\$ -	\$ -	\$ 471,201
Occupancy Costs					
HQ Main Building	77,371	\$ 126,000	\$ -	\$ -	\$ 203,371
HQ Credit	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ 77,371	\$ 126,000	\$ -	\$ -	\$ 203,371
Staff Development - \$9,900 Travel - \$2,400 Dues & Subscriptions - \$9,800	\$ -	\$ -	\$ -	\$ -	\$ -
Revenue					
Interest	\$ -	\$ -	\$ -	\$ -	\$ -
Schedule	\$ -	\$ -	\$ -	\$ -	\$ -
Service	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 1,580,406	\$ 2,377,126	\$ 912,773	\$ 214,987	\$ 5,085,292

Travel - \$7,800
WECC Dues - \$10,000
Compliance Support - \$50,000

Meter, Relay Parts - \$5,000
Meter Reading/Maintenance - \$30,000
Special Equipment - \$5,000
Voice Circuits (telephone) - \$10,000



Forecasting, Planning, Preschedule & Trading							
	Forecasting	Planning, Optimization & Risk Analysis	Power & Fuel Transactions	Pre-scheduling	Power Pool Admin & Mgmt	Facilities Agreement Administration	Total
Power Management Direct Costs							
Salaries and Benefits	\$ 307,982	\$ 306,999	\$ 93,496	\$ 485,168	\$ 143,653	\$ 74,018	\$ 1,411,316
Materials, Supplies and Services	\$ 160,686	\$ 63,733	\$ -	\$ 58,686	\$ -	\$ 911	\$ 284,016
Capital Equipment (P+I)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ 468,668	\$ 370,732	\$ 93,496	\$ 543,854	\$ 143,653	\$ 74,929	\$ 1,695,332
Direct Charges from Others							
Information Systems Salaries & Benefits	\$ -	\$ 10,404	\$ -	\$ 11,901	\$ 131,389	\$ -	\$ 153,694
Combustion Turbine Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Accounting & Finance Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Administrative Services Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Power Accounts Administration S&B	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Materials Supplies and Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ -	\$ 10,404	\$ -	\$ 11,901	\$ 131,389	\$ -	\$ 153,694
Administrative and General							
Administrative	\$ 60,912	\$ 64,583	\$ 14,570	\$ 82,784	\$ 45,115	\$ 12,502	\$ 280,466
General	\$ 21,047	\$ 20,850	\$ 4,767	\$ 27,642	\$ 14,742	\$ 4,056	\$ 93,104
Subtotal	\$ 81,959	\$ 85,433	\$ 19,337	\$ 110,426	\$ 59,857	\$ 16,558	\$ 373,570
Occupancy Costs							
HQ Main Building	\$ 21,388	\$ 25,512	\$ 5,636	\$ 30,923	\$ 17,257	\$ 4,903	\$ 105,619
HQ Credit			\$ -		\$ -		\$ -
Subtotal	\$ 21,388	\$ 25,512	\$ 5,636	\$ 30,923	\$ 17,257	\$ 4,903	\$ 105,619
Revenue							
Interest Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Scheduling Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Services for Others	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 572,015	\$ 492,081	\$ 118,469	\$ 697,104	\$ 352,156	\$ 96,390	\$ 2,328,215



Forecasting, Planning, Preschedule & Trading

	Forecasting	Planning, Optimization & Risk Analysis	Power & Fuel Transactions	Pre-scheduling	Power Pool Admin & Mgmt	Facilities Agreement Administration	Total
Power Management Direct Costs							
Salaries and Benefits	\$ 307,982	\$ 306,999	\$ 93,496	\$ 485,168	\$ 143,653	\$ 74,018	\$ 1,411,316
Materials, Supplies and Services	\$ 160,686	\$ 63,733	\$ -	\$ 58,686	\$ -	\$ 911	\$ 284,016
Capital Equipment (P+I)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ 468,668	\$ 370,732	\$ 93,496	\$ 543,854	\$ 143,653	\$ 74,929	\$ 1,695,332
Direct Charges from Others							
Information Systems Salaries & Benefits	\$ -	\$ 10,404	\$ -	\$ 11,901	\$ 131,389	\$ -	\$ 153,694
Combustion Turbine Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Accounting & Finance Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Administrative Services Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Power Accounts Administration S&B	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Materials Supplies and Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ -	\$ 10,404	\$ -	\$ 11,901	\$ 131,389	\$ -	\$ 153,694
Administrative and General							
Administrative	\$ -	\$ 64,583	\$ 14,570	\$ 82,784	\$ 45,799	\$ 12,502	\$ 280,466
General	\$ -	\$ -	\$ -	\$ -	\$ 14,755	\$ 4,056	\$ 93,104
Subtotal	\$ -	\$ 64,583	\$ 14,570	\$ 82,784	\$ 60,554	\$ 16,558	\$ 373,570
Occupancy Costs							
HQ Main Building	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
HQ Credit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ 21,388	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,388
Revenue							
Interest Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Scheduling Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Services for Others	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 572,015	\$ 492,081	\$ 118,469	\$ 697,104	\$ 352,156	\$ 96,390	\$ 2,328,215

Staff Development - \$23,900
 Professional Svcs - \$57,480
 Software - \$35,000

Staff Development - \$2,687
 Professional Svcs - \$12,500
 Legal Svcs - \$10,000
 Software - \$37,750

Meetings - \$4,190
 Brokerage Fees - \$49,500
 Software - \$4,200



Industry Restructuring and Regulatory Affairs		
	Industry Restructuring & Regulatory Affairs	Total
Power Management Direct Costs		
Salaries and Benefits	\$ 229,405	\$ 229,405
Materials, Supplies and Services	\$ 60,856	\$ 60,856
Capital Equipment	\$ -	\$ -
Subtotal	\$ 290,261	\$ 290,261
Direct Charges from Others		
Information Systems Salaries & Benefits	\$ -	\$ -
Combustion Turbine Salaries & Benefits	\$ -	\$ -
Accounting & Finance Salaries & Benefits	\$ -	\$ -
Administrative Services Salaries & Benefits	\$ -	\$ -
Power Accounts Administration S&B	\$ -	\$ -
Materials Supplies and Services	\$ -	\$ -
Subtotal	\$ -	\$ -
Administrative and General		
Administrative	\$ 42,528	\$ 42,528
General	\$ 14,404	\$ 14,404
Subtotal	\$ 56,932	\$ 56,932
Occupancy Costs		
HQ Main Building	\$ 15,498	\$ 15,498
HQ Credit	\$ -	\$ -
Subtotal	\$ 15,498	\$ 15,498
Revenue		
Interest Income	\$ -	\$ -
Scheduling Services	\$ -	\$ -
Services for Others	\$ -	\$ -
Subtotal	\$ -	\$ -
Total	\$ 362,691	\$ 362,691

Industry Restructuring and Regulatory Affairs		
	Industry Restructuring & Regulatory Affairs	Total
Power Management Direct Costs		
Salaries and Benefits	\$ 229,405	\$ 229,405
Materials, Supplies and Services	\$ 60,856	\$ 60,856
Capital Equipment	\$ -	\$ -
Subtotal	\$ 290,261	\$ 290,261
Direct Charges from Others		
Information Systems Salaries & Benefits	\$ -	\$ -
Combustion Turbine Salaries & Benefits	\$ -	\$ -
Accounting & Finance Salaries & Benefits	\$ -	\$ -
Administrative Services Salaries & Benefits	\$ -	\$ -
Power Accounts Administration S&B	\$ -	\$ -
Materials Supplies and Services	\$ -	\$ -
Subtotal	\$ -	\$ -
Administrative and General		
Administrative	\$ 42,528	\$ 42,528
General	\$ 14,404	\$ 14,404
Subtotal	\$ 56,932	\$ 56,932
Occupancy Costs		
HQ Main Building	\$ 15,498	\$ 15,498
HQ Credit	\$ -	\$ -
Subtotal	\$ 15,498	\$ 15,498
Revenue		
Interest Income	\$ -	\$ -
Scheduling Services	\$ -	\$ -
Services for Others	\$ -	\$ -
Subtotal	\$ -	\$ -
Total	\$ 362,691	\$ 362,691

Meetings - \$9,200
 Training - \$6,760
 Legal – 60 hrs - \$11,500
 Know the ISO - \$30,000



Contract Administration						
	Contract Maintenance & Admin	TANC Representation & Advocay	Western Representation & Advocacy	Pooling Committee	Revenues	Total
Power Management Direct Costs						
Salaries and Benefits	\$ 485,667	\$ 15,958	\$ 87,468	\$ 59,522		\$ 648,615
Materials, Supplies and Services	\$ 78,445	\$ 736	\$ 27,749	\$ 2,400		\$ 109,330
Capital Equipment (P+I)	\$ -	\$ -	\$ -	\$ -		\$ -
Subtotal	\$ 564,112	\$ 16,694	\$ 115,217	\$ 61,922	\$ -	\$ 757,945
Direct Charges from Others						
Information Systems Salaries & Benefits	\$ -	\$ -	\$ -	\$ -		\$ -
Combustion Turbine Salaries & Benefits	\$ -	\$ -	\$ -	\$ -		\$ -
Accounting & Finance Salaries & Benefits	\$ -	\$ -	\$ -	\$ -		\$ -
Administrative Services Salaries & Benefits	\$ -	\$ -	\$ -	\$ -		\$ -
Power Accounts Administration S&B	\$ -	\$ -	\$ -	\$ -		\$ -
Materials Supplies and Services	\$ -	\$ -	\$ -	\$ -		\$ -
Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Administrative and General						
Administrative	\$ 84,112	\$ 2,568	\$ 15,933	\$ 13,215		\$ 115,828
General	\$ 27,915	\$ 844	\$ 5,412	\$ 4,128		\$ 38,299
Subtotal	\$ 112,027	\$ 3,412	\$ 21,345	\$ 17,343	\$ -	\$ 154,127
Occupancy Costs						
HQ Main Building	\$ 31,772	\$ 986	\$ 5,777	\$ 5,495		\$ 44,030
HQ Credit	\$ -	\$ -	\$ -	\$ -		\$ -
Subtotal	\$ 31,772	\$ 986	\$ 5,777	\$ 5,495	\$ -	\$ 44,030
Revenue						
Interest Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Scheduling Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Services for Others	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 707,911	\$ 21,092	\$ 142,339	\$ 84,760	\$ -	\$ 956,102



Contract Administration						
	Contract Maintenance & Admin	TANC Representation & Advocay	Western Representation & Advocacy	Pooling Committee	Revenues	Total
Power Management Direct Costs						
Salaries and Benefits	\$ 485,667	\$ 15,958	\$ 87,468	\$ 59,522		\$ 648,615
Materials, Supplies and Services	\$ 78,445	\$ 736	\$ 27,749	\$ 2,400		\$ 109,330
Capital Equipment (P+I)	\$ -	\$ -	\$ -	\$ -		\$ -
Subtotal	\$ 564,112	\$ 16,694	\$ 115,217	\$ 61,922	\$ -	\$ 757,945
Direct Charges from Others						
Information Systems Salaries & Benefits	-	\$ -	\$ -	\$ -		\$ -
Combustion Turbine Salaries & Benefits	-	\$ -	\$ -	\$ -		\$ -
Administrative Salaries & Benefits	-	\$ -	\$ -	\$ -		\$ -
Travel, Meetings & Training - \$8,520 Legal Svcs - \$65,000	-	\$ -	\$ -	\$ -		\$ -
Professional Services	-	\$ -	\$ -	\$ -		\$ -
Software	-	\$ -	\$ -	\$ -		\$ -
Administrative	\$ 84,112	\$ 2,568	\$ 13,215	\$ -		\$ 115,828
General	\$ 27,915	\$ 844	\$ -	\$ -		\$ 38,299
Subtotal	\$ 112,027	\$ 3,412	\$ 13,215	\$ -	\$ -	\$ 154,127
Occupancy Costs						
HQ Main Building	\$ 31,772	\$ 986	\$ -	\$ -		\$ 44,030
HQ Credit	\$ -	\$ -	\$ -	\$ -		\$ -
Subtotal	\$ 31,772	\$ 986	\$ -	\$ -	\$ -	\$ 44,030
Revenue						
Interest Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Scheduling Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Services for Others	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 707,911	\$ 21,092	\$ 142,339	\$ 84,760	\$ -	\$ 956,102

Travel, Meetings & Training - \$8,520
Legal Svcs - \$65,000

Travel & Meetings \$2,400

Travel & Meetings \$6,049
Legal - \$2,500
Software - \$12,500
Professional Services - \$6,500