

<b>Appendix B</b>	
<b>California ISO</b>	
<b>2005 Cost Allocation Model</b>	
<b>O&amp;M Budget Cost Allocation</b>	
This spreadsheet shows the budget allocation and the percentage allocations by cost center.	
<b>Sheet Index</b>	<b>Description</b>
<a href="#">O&amp;M Cost</a>	Budget allocations by cost center
<a href="#">O&amp;M allocations</a>	Percentage allocations by cost center
Last updated:	11/23/2004 bta

California Independent System Operator 2005 GMC Cost Allocation									
Cost Allocations by Cost Center									
CC #	Cost Center	Core Reliability	Energy Transmission - Net Energy	Energy Transmission - Deviations	Forward Scheduling	Congestion Management	Market Usage	Settlements, Metering and Client Relations	Total
1111	CEO - General	\$ 658,514	\$ 257,520	\$ 64,380	\$ 56,505	\$ 69,005	\$ 156,357	\$ 233,889	\$ 1,496,169
1241	MRTU	\$ 131,750	\$ -	\$ -	\$ 262,639	\$ 206,667	\$ 537,550	\$ 755,842	\$ 1,894,448
1311	CFO - General	\$ 154,498	\$ 60,309	\$ 15,077	\$ 12,712	\$ 14,795	\$ 36,164	\$ 57,238	\$ 350,794
1321	Accounting	\$ 1,279,992	\$ 500,557	\$ 125,139	\$ 109,832	\$ 134,128	\$ 303,920	\$ 454,624	\$ 2,908,193
1331	Financial Planning and Treasury	\$ 1,323,821	\$ 517,697	\$ 129,424	\$ 113,593	\$ 138,721	\$ 314,327	\$ 470,191	\$ 3,007,773
1351	Facilities	\$ 2,871,698	\$ 1,119,506	\$ 279,876	\$ 228,931	\$ 256,160	\$ 665,158	\$ 1,095,849	\$ 6,517,179
1361	Security & Corporate Services	\$ 1,088,401	\$ 424,303	\$ 106,076	\$ 86,767	\$ 97,087	\$ 252,101	\$ 415,337	\$ 2,470,072
1411	Chief Information Officer	\$ 66,995	\$ 10,618	\$ 2,655	\$ 20,441	\$ 6,068	\$ 15,729	\$ 56,241	\$ 178,746
1422	Corporate & Enterprise Applications	\$ 103,423	\$ 29,575	\$ 7,394	\$ 9,422	\$ 12,104	\$ 33,005	\$ 72,857	\$ 267,781
1424	Asset Management	\$ 4,812,987	\$ 704,468	\$ 176,117	\$ 1,731,465	\$ 678,800	\$ 1,415,461	\$ 4,374,271	\$ 13,893,568
1431	End User Support	\$ 2,605,423	\$ 807,951	\$ 201,988	\$ 667,122	\$ 245,969	\$ 636,447	\$ 1,827,041	\$ 6,991,941
1432	Computer Operations and Infrastructure	\$ 316,665	\$ 70,245	\$ 17,561	\$ 133,108	\$ 29,724	\$ 79,276	\$ 307,754	\$ 954,333
1433	Network Services	\$ 604,761	\$ 134,590	\$ 33,647	\$ 158,121	\$ 37,353	\$ 126,919	\$ 329,899	\$ 1,425,289
1441	Outsourced Contracts	\$ 3,907,519	\$ 799,809	\$ 199,952	\$ 1,154,678	\$ 241,549	\$ 825,650	\$ 2,353,905	\$ 9,483,063
1442	Production Support	\$ 659,142	\$ 3,947	\$ 987	\$ 612,060	\$ 75,313	\$ 192,821	\$ 1,265,779	\$ 2,810,049
1451	Infrastructure Services	\$ 373,647	\$ 2,237	\$ 559	\$ 346,958	\$ 42,692	\$ 109,304	\$ 717,530	\$ 1,592,928
1461	Control Systems	\$ 2,183,123	\$ 44,266	\$ 11,067	\$ -	\$ -	\$ 12,576	\$ 12,576	\$ 2,263,607
1462	Field Data Acquisition System (FDAS)	\$ 508,328	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,863,870	\$ 2,372,198
1463	Operations Systems Services	\$ 164,673	\$ 3,643	\$ 911	\$ 22,326	\$ 3,201	\$ 17,500	\$ 134,595	\$ 346,848
1466	Enterprise Applications	\$ 695,730	\$ 84,686	\$ 21,172	\$ 17,318	\$ 19,377	\$ 50,316	\$ 561,395	\$ 1,449,994
1467	Settlement Systems Services	\$ 147,153	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,471,533	\$ 1,618,686
1468	Corporate Application Support and Administration	\$ 266,388	\$ 103,849	\$ 25,962	\$ 21,236	\$ 23,762	\$ 61,702	\$ 101,654	\$ 604,554
1469	Analytical and Reporting Applications	\$ 319,498	\$ 190,917	\$ 47,729	\$ 83,632	\$ 114,217	\$ 317,394	\$ 232,704	\$ 1,306,091
1471	IT Planning	\$ 143,458	\$ 859	\$ 215	\$ 133,211	\$ 16,391	\$ 41,966	\$ 275,488	\$ 611,588
1481	Markets and Scheduling System	\$ 698,173	\$ 35,304	\$ 8,826	\$ 412,380	\$ 38,583	\$ 262,456	\$ 87,602	\$ 1,543,323
1482	Market Systems Support Services	\$ 558,181	\$ 10,637	\$ 2,659	\$ 257,054	\$ 78,318	\$ 296,974	\$ 64,482	\$ 1,268,304
1511	VP Grid Operations	\$ 1,947,086	\$ 777,460	\$ 194,365	\$ -	\$ -	\$ -	\$ -	\$ 2,918,911
1521	Grid Planning	\$ 1,749,373	\$ 839,699	\$ 209,925	\$ -	\$ -	\$ -	\$ -	\$ 2,798,997
1542	Outage Coordination	\$ 1,819,286	\$ 74,906	\$ 18,727	\$ -	\$ -	\$ -	\$ -	\$ 1,912,918
1543	Loads and Resources	\$ 574,659	\$ 479,462	\$ 119,866	\$ -	\$ -	\$ -	\$ -	\$ 1,173,987
1544	Real-Time Scheduling	\$ 1,648,032	\$ 878,950	\$ 219,738	\$ -	\$ -	\$ -	\$ -	\$ 2,746,720
1545	Grid Operations	\$ 5,117,542	\$ 1,974,212	\$ 493,553	\$ -	\$ -	\$ -	\$ -	\$ 7,585,306
1546	Security Coordination	\$ 1,359,875	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,359,875
1547	Engineering and Maintenance	\$ 162,327	\$ 149,918	\$ 37,480	\$ -	\$ -	\$ -	\$ -	\$ 349,725
1548	OSAT Group - General	\$ 260,253	\$ 15,200	\$ 3,800	\$ -	\$ -	\$ -	\$ -	\$ 279,253
1549	Operations Training	\$ 1,270,912	\$ 997,491	\$ 249,373	\$ -	\$ -	\$ -	\$ -	\$ 2,517,776
1554	Special Projects Engineering	\$ 347,450	\$ 370,530	\$ 92,632	\$ -	\$ -	\$ -	\$ -	\$ 810,612
1555	Operations Support Group	\$ 644,059	\$ 412,198	\$ 103,049	\$ -	\$ -	\$ -	\$ -	\$ 1,159,306

California Independent System Operator 2005 GMC Cost Allocation									
Cost Allocations by Cost Center									
CC #	Cost Center	Core Reliability	Energy Transmission - Net Energy	Energy Transmission - Deviations	Forward Scheduling	Congestion Management	Market Usage	Settlements, Metering and Client Relations	Total
1558	Transmission Maintenance	\$ 906,150	\$ 515,208	\$ 128,802	\$ -	\$ -	\$ -	\$ -	\$ 1,550,160
1559	Operations Application Support	\$ 355,647	\$ 189,678	\$ 47,420	\$ -	\$ -	\$ -	\$ -	\$ 592,745
1561	Operations Engineering South	\$ 702,775	\$ 298,436	\$ 74,609	\$ -	\$ -	\$ -	\$ -	\$ 1,075,820
1562	Operations Engineering North	\$ 709,768	\$ 461,849	\$ 115,462	\$ -	\$ -	\$ -	\$ -	\$ 1,287,079
1563	Operations Coordination	\$ 503,838	\$ 137,580	\$ 34,395	\$ -	\$ -	\$ -	\$ -	\$ 675,813
1564	Operations Scheduling	\$ 299,347	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 299,347
1565	Pre-Scheduling and Support	\$ 1,446,708	\$ 347,210	\$ 86,802	\$ -	\$ -	\$ -	\$ -	\$ 1,880,720
1566	Regional Coordination - General	\$ 685,769	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 685,769
1611	VP General Counsel - General	\$ 207,767	\$ 101,144	\$ 25,286	\$ 21,629	\$ 41,694	\$ 98,518	\$ 84,392	\$ 580,430
1631	Legal and Regulatory	\$ 4,611,235	\$ 1,803,282	\$ 450,820	\$ 395,675	\$ 483,203	\$ 1,094,887	\$ 1,637,805	\$ 10,476,908
1641	Market Analysis	\$ 431,554	\$ 593,351	\$ 148,338	\$ -	\$ 560,439	\$ 884,059	\$ 199,179	\$ 2,816,918
1642	Market Surveillance Committee	\$ 121,688	\$ 97,350	\$ 24,338	\$ -	\$ 121,688	\$ 121,688	\$ -	\$ 486,750
1651	Board of Governors	\$ 69,761	\$ 27,281	\$ 6,820	\$ 5,986	\$ 7,310	\$ 16,564	\$ 24,778	\$ 158,500
1661	Compliance - General	\$ 421,014	\$ 313,231	\$ 78,308	\$ 228,762	\$ -	\$ 547,947	\$ 333,256	\$ 1,922,518
1662	Compliance - Audits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1711	VP Market Services - General	\$ 26,540	\$ 3,007	\$ 752	\$ 14,645	\$ 14,543	\$ 31,505	\$ 63,838	\$ 154,830
1721	Billing and Settlements-General	\$ 178,070	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 534,211	\$ 712,282
1722	Business Development Support	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 844,776	\$ 844,776
1723	RMR Settlements	\$ 764,441	\$ 150,031	\$ 37,508	\$ -	\$ -	\$ -	\$ -	\$ 951,980
1724	BBS - PSS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,038,797	\$ 1,038,797
1725	BBS - FSS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,199,753	\$ 1,199,753
1731	Contracts and Special Projects	\$ 627,602	\$ 79,480	\$ 19,870	\$ -	\$ -	\$ -	\$ 726,952	\$ 1,453,904
1741	Client Relations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,605,619	\$ 2,605,619
1751	Market Operations - General	\$ 177,607	\$ -	\$ -	\$ 88,803	\$ 88,803	\$ 201,866	\$ 22,201	\$ 579,281
1752	Manager of Markets	\$ 688,354	\$ 110,137	\$ 27,534	\$ 688,354	\$ 550,683	\$ 455,827	\$ -	\$ 2,520,889
1753	Market Engineering	\$ 596,844	\$ -	\$ -	\$ -	\$ 795,792	\$ 1,207,938	\$ 198,948	\$ 2,799,521
1755	Business Solutions	\$ 58,292	\$ -	\$ -	\$ 466,336	\$ 116,584	\$ 287,034	\$ 58,292	\$ 986,538
1756	Market Quality - General	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,476,584	\$ 605,203	\$ 2,081,787
1757	Market Integration	\$ 59,601	\$ -	\$ -	\$ 238,402	\$ 238,402	\$ 211,591	\$ 59,601	\$ 807,597
1811	VP Corporate and Strategic Development - General	\$ 331,358	\$ 129,343	\$ 32,336	\$ 27,245	\$ 31,681	\$ 77,543	\$ 122,847	\$ 752,353
1821	Communications	\$ 350,949	\$ 137,243	\$ 34,311	\$ 30,114	\$ 36,775	\$ 83,329	\$ 124,649	\$ 797,369
1831	Strategic Development	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1841	Human Resources	\$ 2,190,403	\$ 853,909	\$ 213,477	\$ 174,618	\$ 195,387	\$ 507,353	\$ 835,865	\$ 4,971,012
1851	Project Office	\$ 245,316	\$ 95,934	\$ 23,984	\$ 21,050	\$ 25,706	\$ 58,248	\$ 87,131	\$ 557,368
1861	Regulatory Policy	\$ 553,339	\$ 216,390	\$ 54,098	\$ 47,480	\$ 57,983	\$ 131,384	\$ 196,533	\$ 1,257,208
2111	Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ 61,866,528	\$ 19,548,592	\$ 4,887,148	\$ 9,100,612	\$ 5,946,661	\$ 14,254,935	\$ 31,198,771	\$ 146,803,247

California Independent System Operator 2005 GMC Cost Allocation									
Percentage of Total Cost by Cost Center									
CC #	Cost Center	Core Reliability	Energy & Transmission	Forward Scheduling	Congestion Management	Market Usage	Settlements, Metering and Client Relations	Total	
1111	CEO - General	44%	22%	4%	5%	10%	16%	100%	
1241	MRTU	7%	0%	14%	11%	28%	40%	100%	
1311	CFO - General	44%	21%	4%	4%	10%	16%	100%	
1321	Accounting	44%	22%	4%	5%	10%	16%	100%	
1331	Financial Planning and Treasury	44%	22%	4%	5%	10%	16%	100%	
1351	Facilities	44%	21%	4%	4%	10%	17%	100%	
1361	Security & Corporate Services	44%	21%	4%	4%	10%	17%	100%	
1411	Chief Information Officer	37%	7%	11%	3%	9%	31%	100%	
1422	Corporate & Enterprise Applications	39%	14%	4%	5%	12%	27%	100%	
1424	Asset Management	35%	6%	12%	5%	10%	31%	100%	
1431	End User Support	37%	14%	10%	4%	9%	26%	100%	
1432	Computer Operations and Infrastructure	33%	9%	14%	3%	8%	32%	100%	
1433	Network Services	42%	12%	11%	3%	9%	23%	100%	
1441	Outsourced Contracts	41%	11%	12%	3%	9%	25%	100%	
1442	Production Support	23%	0%	22%	3%	7%	45%	100%	
1451	Infrastructure Services	23%	0%	22%	3%	7%	45%	100%	
1461	Control Systems	96%	2%	0%	0%	1%	1%	100%	
1462	Field Data Acquisition System (FDAS)	21%	0%	0%	0%	0%	79%	100%	
1463	Operations Systems Services	47%	1%	6%	1%	5%	39%	100%	
1466	Enterprise Applications	48%	7%	1%	1%	3%	39%	100%	
1467	Settlement Systems Services	9%	0%	0%	0%	0%	91%	100%	
1468	Corporate Application Support and Administration	44%	21%	4%	4%	10%	17%	100%	
1469	Analytical and Reporting Applications	24%	18%	6%	9%	24%	18%	100%	
1471	IT Planning	23%	0%	22%	3%	7%	45%	100%	
1481	Markets and Scheduling System	45%	3%	27%	3%	17%	6%	100%	
1482	Market Systems Support Services	44%	1%	20%	6%	23%	5%	100%	
1511	VP Grid Operations	67%	33%	0%	0%	0%	0%	100%	
1521	Grid Planning	63%	38%	0%	0%	0%	0%	100%	
1542	Outage Coordination	95%	5%	0%	0%	0%	0%	100%	
1543	Loads and Resources	49%	51%	0%	0%	0%	0%	100%	
1544	Real-Time Scheduling	60%	40%	0%	0%	0%	0%	100%	
1545	Grid Operations	67%	33%	0%	0%	0%	0%	100%	
1546	Security Coordination	100%	0%	0%	0%	0%	0%	100%	
1547	Engineering and Maintenance	46%	54%	0%	0%	0%	0%	100%	
1548	OSAT Group - General	93%	7%	0%	0%	0%	0%	100%	
1549	Operations Training	50%	50%	0%	0%	0%	0%	100%	
1554	Special Projects Engineering	43%	57%	0%	0%	0%	0%	100%	
1555	Operations Support Group	56%	44%	0%	0%	0%	0%	100%	

California Independent System Operator 2005 GMC Cost Allocation								
Percentage of Total Cost by Cost Center								
CC #	Cost Center	Core Reliability	Energy & Transmission	Forward Scheduling	Congestion Management	Market Usage	Settlements, Metering and Client Relations	Total
1558	Transmission Maintenance	58%	42%	0%	0%	0%	0%	100%
1559	Operations Application Support	60%	40%	0%	0%	0%	0%	100%
1561	Operations Engineering South	65%	35%	0%	0%	0%	0%	100%
1562	Operations Engineering North	55%	45%	0%	0%	0%	0%	100%
1563	Operations Coordination	75%	25%	0%	0%	0%	0%	100%
1564	Operations Scheduling	100%	0%	0%	0%	0%	0%	100%
1565	Pre-Scheduling and Support	77%	23%	0%	0%	0%	0%	100%
1566	Regional Coordination - General	100%	0%	0%	0%	0%	0%	100%
1611	VP General Counsel - General	36%	22%	4%	7%	17%	15%	100%
1631	Legal and Regulatory	44%	22%	4%	5%	10%	16%	100%
1641	Market Analysis	15%	26%	0%	20%	31%	7%	100%
1642	Market Surveillance Committee	25%	25%	0%	25%	25%	0%	100%
1651	Board of Governors	44%	22%	4%	5%	10%	16%	100%
1661	Compliance - General	22%	20%	12%	0%	29%	17%	100%
1662	Compliance - Audits	8%	0%	0%	0%	50%	42%	100%
1711	VP Market Services - General	17%	2%	9%	9%	20%	41%	100%
1721	Billing and Settlements-General	25%	0%	0%	0%	0%	75%	100%
1722	Business Development Support	0%	0%	0%	0%	0%	100%	100%
1723	RMR Settlements	80%	20%	0%	0%	0%	0%	100%
1724	BBS - PSS	0%	0%	0%	0%	0%	100%	100%
1725	BBS - FSS	0%	0%	0%	0%	0%	100%	100%
1731	Contracts and Special Projects	43%	7%	0%	0%	0%	50%	100%
1741	Client Relations	0%	0%	0%	0%	0%	100%	100%
1751	Market Operations - General	31%	0%	15%	15%	35%	4%	100%
1752	Manager of Markets	27%	5%	27%	22%	18%	0%	100%
1753	Market Engineering	21%	0%	0%	28%	43%	7%	100%
1755	Business Solutions	6%	0%	47%	12%	29%	6%	100%
1756	Market Quality - General	0%	0%	0%	0%	71%	29%	100%
1757	Market Integration	7%	0%	30%	30%	26%	7%	100%
1811	VP Corporate and Strategic Development - General	44%	21%	4%	4%	10%	16%	100%
1821	Communications	44%	22%	4%	5%	10%	16%	100%
1831	Strategic Development	44%	22%	4%	5%	10%	16%	100%
1841	Human Resources	44%	21%	4%	4%	10%	17%	100%
1851	Project Office	44%	22%	4%	5%	10%	16%	100%
1861	Regulatory Policy	44%	22%	4%	5%	10%	16%	100%
2111	Other	0%	0%	0%	0%	0%	0%	0%