

2012 Revenue Requirement using 2012 ABC data					
Revenue Requirement (RR)	2012 Budget	Market services	System Operations	CRRs	Indirect
Direct O&M \$	\$ 68,428	\$ 14,287	\$ 42,661	\$ 999	\$ 10,481
Support O&M \$	63,836	-	-	-	63,836
Non-ABC support O&M \$	30,783	706	2,175	49	27,853
Total O&M	163,047	14,993	44,836	1,048	102,170
O&M Direct %		25%	73%	2%	
Debt Service 2008 bonds	28,406	8,711	14,026	1,377	4,292
Debt Service 2009 bonds	17,848	-	-	-	17,848
Cash funded Capital	17,000	-	-	-	17,000
Total debt service & capital	63,254	8,711	14,026	1,377	39,140
Debt service Direct %		36%	58%	6%	
Other income	(8,400)	(730)	(4,470)	-	(3,200)
Operating reserve	(23,081)	(2,206)	(3,487)	(356)	(17,032)
Total before allocation of indirect	194,820	20,768	50,905	2,069	121,078
Direct Costs %		28%	69%	3%	
Allocate indirect	-	33,902	83,544	3,632	(121,078)
Total RR \$	\$ 194,820	\$ 54,669	\$ 134,450	\$ 5,701	
Total RR %	100%	28%	69%	3%	
Total RR	\$ 194,820	\$ 54,669	\$ 134,450	\$ 5,701	
Less Fees					
market bid fees	(134)	(134)	-	-	
interSC-trade fees	(3,038)	(3,038)	-	-	
SCID fees	(1,987)	(1,987)	-	-	
TORs	(960)	-	(960)	-	
CRR bid fees	(213)	-	-	(213)	
Total Fees	(6,332)	(5,159)	(960)	(213)	
Net RR for rates	\$ 188,488	\$ 49,510	\$ 133,490	\$ 5,488	
Estimated volumes		509,095	460,562	581,123	
Less grandfathered generation		-	(7,179)	-	
Estimated volumes		509,095	453,383	581,123	
2012 rates with new ABC		\$ 0.0973	\$ 0.2944	\$ 0.0094	
GMC Rates using tariff					
Total RR % per Tariff	100%	27%	69%	4%	
Total RR \$ per Tariff	\$ 194,820	\$ 52,601	\$ 134,426	\$ 7,793	
Less fees	(6,332)	(5,159)	(960)	(213)	
Net RR for rates	\$ 188,488	\$ 47,442	\$ 133,466	\$ 7,580	
Estimated volumes		509,095	453,383	581,123	
2012 rates per Tariff		\$ 0.0932	\$ 0.2944	\$ 0.0130	
Change from tariff rates					
Net RR for rates	\$ -	\$ 2,068	\$ 24	\$ (2,092)	
2012 rates		\$ 0.0041	\$ -	\$ (0.0036)	

ABC Direct Operating Activities										
ABC Level 2 Activities	Code	Market services	System Operations	CRR Services	Indirect	2012 Budget	Market services	System Operations	CRR Services	Indirect
Develop Infrastructure (DI)	80001									
Regulatory contract procedures	201				100%	\$ 464	\$ -	\$ -	\$ -	\$ 464
Manage Generator Interconnection Projects (GIP) agreements	202		100%			464	-	464	-	-
Manage GIP	203		100%			1,075	-	1,075	-	-
Long term Transmission Planning (TPP)	204		100%			4,582	-	4,582	-	-
New transmission resources	205		100%			538	-	538	-	-
Transmission maintenance studies	206		100%			375	-	375	-	-
Load resource data	207		100%			445	-	445	-	-
Season assessment	208		100%			231	-	231	-	-
Queue management	209		100%			1,341	-	1,341	-	-
Annual Delivery Assessment	210		100%			-	-	-	-	-
Total DI		0%	95%	0%	5%	9,515	-	9,051	-	464
Develop Markets (DM)	80002									
Manage Regulatory Filings	226				100%	-	-	-	-	-
Manage Tariff Amendments	227				100%	-	-	-	-	-
Post order rehearing	228				100%	143	-	-	-	143
Develop State / Federal regulatory policy	229				100%	597	-	-	-	597
Business Process Manual (BPM) change management process	230				100%	79	-	-	-	79
Develop infrastructure policy	231		100%			921	-	921	-	-
Perform market analysis	232	100%				1,814	1,814	-	-	-
Develop market design	233	100%				1,860	1,860	-	-	-
Regulatory contract negotiations	234				100%	216	-	-	-	216
Total DM		65%	16%	0%	18%	5,630	3,674	921	-	1,035
Manage Market & Reliability Data & Modeling (MMR)	80004									
Manage Full Network Model (FNM) maintenance	301	50%	50%			1,811	905	906	-	-
Plan & develop operations simulator training	302	20%	80%			290	58	232	-	-
ISO meter certification	303		100%			256	-	256	-	-
Energy Measurement, Acquisition & Analysis (EMAA) telemetry	304		100%			394	-	394	-	-
Metering systems configuration for market resources	305		100%			33	-	33	-	-
Metering systems access (production)	306		100%			6	-	6	-	-
Manage Congestion Revenue Rights (CRR)	307			100%		596	-	-	596	-
Manage credit and collateral	308	45%	45%	10%		651	293	293	65	-
Resource management	309	50%	50%			1,256	628	628	-	-
Manage reliability requirements	310		100%			248	-	248	-	-
Manage operations planning	311		100%			1,243	-	1,243	-	-
Manage WECC seasonal studies	312		100%			127	-	127	-	-
Participating Intermittent Resources Program (PIRP)	313	20%	80%			-	-	-	-	-
Manage & facilitate procedure maintenance	314	20%	80%			766	153	613	-	-
Plan & develop operations training	316	20%	80%			627	125	502	-	-
Execute & track operations training	317	20%	80%			884	177	707	-	-
California Electric Training Advisory Committee (CETAC) activity	318		100%			124	-	124	-	-
Provide stakeholder training	320		100%			250	-	250	-	-
Scheduling Coordinator (SC) management	321				100%	162	-	-	-	162
Total MMR		24%	67%	7%	2%	9,724	2,339	6,562	661	162

ABC Direct Operating Activities										
ABC Level 2 Activities	Code	Market services	System Operations	CRR Services	Indirect	2012 Budget	Market services	System Operations	CRR Services	Indirect
Manage Market & Grid (MMG)	80005									
Manage Day Ahead (DA) market support	352	50%	50%			89	44	45	-	-
Manage Real Time (RT) market support	353	50%	50%			1,453	726	727	-	-
Outage & model management	355		100%			2,554	-	2,554	-	-
Manage DA market	358	50%	50%			2,845	1,422	1,423	-	-
Manage pre & post scheduling	359		100%			1,404	-	1,404	-	-
Manage RT Hourly market (RTPD) (broken out into 363-366 5/18/12)	360	20%	80%			9,307	1,861	7,446	-	-
Manage operations engineering support	362	20%	80%			1,304	261	1,043	-	-
RT Operations (RTO) - Shift supervisors: Manage RT Market - Post DA & Pre RT & Manage Emergency Operations	363	50%	50%			810	405	405	-	-
RTO Gen & RRC: Manage RTO- Maintain Balancing Area & Manage RTPD	364	20%	80%			2,947	589	2,358	-	-
RTO - Transmission: Manage RTO - Transmission and Electric System	365		100%			2,623	-	2,623	-	-
RTO Scheduling Desk - Manage RT Interchange Scheduling	366		100%			1,869	-	1,869	-	-
Total MMG		20%	80%	0%	0%	27,205	5,308	21,897	-	-
Manage Operations Support & Settlements (MOS)	80007									
Manage price validation & corrections	401	50%	50%			211	105	106	-	-
Manage dispute analysis & resolution	402				100%	986	-	-	-	986
Manage the Market Quality System (MQS)	403	50%	50%			1,445	722	723	-	-
Manage data requests	404				100%	63	-	-	-	63
Manage regulation no pay & deviation penalty calculations	405		100%			84	-	84	-	-
Manage rules of conduct	406				100%	105	-	-	-	105
Periodic meter auditing	407		100%			47	-	47	-	-
ISO Remote Intelligent Gateway (RIG) engineering	408		100%			354	-	354	-	-
Manage EMAA	409		100%			655	-	655	-	-
SC Metered Entity (SCME) self audit review	410		100%			-	-	-	-	-
Manage market clearing	411	45%	45%	10%		74	33	34	7	-
Manage market billing & settlements	412	45%	45%	10%		2,291	1,031	1,031	229	-
Manage Reliability Must Run (RMR) settlements	413		100%			69	-	69	-	-
Manage settlements release cycle (non-project)	414	45%	45%	10%		1,018	458	458	102	-
Market Issues Steering Committee (MISC)	416	50%	50%			-	-	-	-	-
Manage market performance	417	50%	50%			294	147	147	-	-
Manage dispute analysis & resolution	418				100%	12	-	-	-	12
Perform market validation	419	50%	50%		100%	941	470	471	-	-
Total MOS						8,649	2,966	4,179	338	1,166
Support Customers & Stakeholders (SCS)	80010									
Represent ISO	539				100%	760	-	-	-	760
Client Inquiries	601				100%	1,198	-	-	-	1,198
Account management	602				100%	718	-	-	-	718
Stakeholder Processes	603				100%	738	-	-	-	738
ISO Outreach	604				100%	-	-	-	-	-
Develop Participating Transmission Owners (PTOs)	605		100%			51	-	51	-	-
Serve New Customers	606				100%	114	-	-	-	114
Support clients	607				100%	-	-	-	-	-
Government Affairs	609				100%	2,137	-	-	-	2,137
Communications and Public Relations	610				100%	1,989	-	-	-	1,989
Total SCS					100%	7,705	-	51	-	7,654
Total Direct O&M		21%	63%	1%	15%	\$ 68,428	\$ 14,287	\$ 42,661	\$ 999	\$ 10,481
Direct O&M %						100%	21%	63%	1%	15%

2012 Debt Service 2008 & 2009 Bonds and Cash Funded Capital										
System / Type	Market services	System Operations	CRR Services	Indirect	2012 Budget	Market services	System Operations	CRR Services	Indirect	Comments
Debt Service 2008 Bonds										
Operations Related Software										
Automated Dispatch System (ADS)		100%			\$ 34	\$ -	\$ 34	\$ -	\$ -	
Automated Load Forecast System (ALFS)	50%	50%			91	46	45	-	-	
Automatic Mitigation Procedure (AMP)		100%			143	-	143	-	-	
Congestion Revenue Rights (CRR)			100%		985	-	-	985	-	
Energy Management System (EMS)		100%			1,439	-	1,439	-	-	
Existing Transmission Contracts Calculator (ETCC)	50%	50%			6	3	3	-	-	
Full Network Model / State estimator	50%	50%			210	105	105	-	-	
Integrated Forward Market (IFM) RTN	50%	50%			7,186	3,593	3,593	-	-	includes HASP at 50/50
Market Quality System (MQS)	50%	50%			1,167	583	584	-	-	
Master file	50%	50%			471	236	235	-	-	
Meter Data Acquisition System (MDAS)		100%			18	-	18	-	-	
Network Applications	50%	50%			776	388	388	-	-	
New Resource Interconnection (Rims) or (NRI)	20%	80%			253	51	202	-	-	
Open Access Same Time Information System (OASIS)	50%	50%			76	38	38	-	-	
Operational Meter Analysis & Reporting (OMAR)		100%			111	-	111	-	-	
Participating Intermittent Resource Project (PIRP)	20%	80%			52	10	42	-	-	
Portal	50%	50%			544	272	272	-	-	
ISO Market Results interface (CMRI)	50%	50%			473	237	236	-	-	
Process Information System (PI)		100%			158	-	158	-	-	
Real Time markets (RTMA) split off 50% into HASP	20%	80%			1,464	293	1,171	-	-	
Hour Ahead Market (HASP) split off 50% from RTMA	50%	50%			1,463	731	732	-	-	
Resource Adequacy	50%	50%			50	25	25	-	-	
RMR application Validation Engine (RAVE)	50%	50%			5	3	2	-	-	
Scheduling & Logging for ISO CA (SLIC)	50%	50%			340	170	170	-	-	
Control Area Scheduler (CAS)	50%	50%			54	27	27	-	-	included STING
Scheduling Infrastructure Business Rules (SIBR)	50%	50%			2,074	1,037	1,037	-	-	
Settlements & Market Clearing (SaMC)	15%	75%	10%		3,922	588	2,942	392	-	based on DA & RT charge codes
Total Operations related software	36%	58%	6%		23,565	8,436	13,752	1,377	-	
General Software & Fixed Assets										
Client relations & engineering analysis tools				100%	177	-	-	-	177	
DMM & compliance Tools (SAS MARS)	50%	50%			549	275	274	-	-	
Local Area Network (LAN), WAN & monitoring (Tivoli)				100%	749	-	-	-	749	
Office automation desktop laptop (OA)				100%	93	-	-	-	93	
Oracle Corporate Financial licenses				100%	697	-	-	-	697	
Security External Physical & ISS (CUDA)				100%	114	-	-	-	114	
Storage (EMC symmetrix)				100%	1,024	-	-	-	1,024	
Land & feasibility studies				100%	274	-	-	-	274	
NT servers & WEB servers				100%	267	-	-	-	267	
New system equipment				100%	460	-	-	-	460	
Office equipment, furniture & leasehold improvements				100%	437	-	-	-	437	
Total fixed assets	6%	6%	0%	89%	4,841	275	274	-	4,292	
Total debt service 2008 Bonds	31%	49%	5%	15%	\$ 28,406	\$ 8,711	\$ 14,026	\$ 1,377	\$ 4,292	

2012 Debt Service 2008 & 2009 Bonds and Cash Funded Capital										
System / Type	Market services	System Operations	CRR Services	Indirect	2012 Budget	Market services	System Operations	CRR Services	Indirect	Comments
Debt Service 2009 Bonds										
Corporate headquarters				100%	\$ 17,848	\$ -	\$ -	\$ -	\$ 17,848	
Total debt service 2009 Bonds	0%	0%	0%	100%	\$ 17,848	\$ -	\$ -	\$ -	\$ 17,848	
Cash Funded Capital										
System enhancements and software	0%	0%	0%	100%	\$ 12,500	\$ -	\$ -	\$ -	\$ 12,500	
Project office labor				100%	1,200	-	-	-	1,200	
Lease buyout Blue Ravine				100%	1,300	-	-	-	1,300	
Hardware				100%	2,000	-	-	-	2,000	
Total Cash Funded Capital	0%	0%	0%	100%	\$ 17,000	\$ -	\$ -	\$ -	\$ 17,000	