

2013 Revenue Requirement using 2013 ABC data						Split of Mkt Svcs			Split of Sys Ops		
Revenue Requirement	2013 Budget	Market Services	System Operations	CRR Services	Indirect	Total	Real Time Market	Day Ahead Market	Total	Real Time Dispatch	Balancing Area Services
Direct O&M	\$ 68,364	\$ 12,863	\$ 42,512	\$ 845	\$ 12,144	\$ 12,863	\$ 8,075	\$ 4,788	\$ 42,512	\$ 14,093	\$ 28,419
Support O&M	64,686	-	-	-	64,686	-	-	-	-	-	-
Non-ABC support O&M	29,857	614	1,759	53	27,431	614	553	61	1,759	1,653	106
<b>Total O&amp;M</b>	<b>162,907</b>	<b>13,477</b>	<b>44,271</b>	<b>898</b>	<b>104,261</b>	<b>13,477</b>	<b>8,628</b>	<b>4,849</b>	<b>44,271</b>	<b>15,746</b>	<b>28,525</b>
Debt Service 2008 bonds	24,666	7,263	12,481	1,196	3,726	7,263	3,152	4,111	12,481	10,555	1,926
Debt Service 2009 bonds	17,847	-	-	-	17,847	-	-	-	-	-	-
Cash funded capital	24,000	-	-	-	24,000	-	-	-	-	-	-
<b>Total debt service &amp; capital</b>	<b>66,513</b>	<b>7,263</b>	<b>12,481</b>	<b>1,196</b>	<b>45,573</b>	<b>7,263</b>	<b>3,152</b>	<b>4,111</b>	<b>12,481</b>	<b>10,555</b>	<b>1,926</b>
Other income	(7,900)	(660)	(4,940)	-	(2,300)	(660)	(544)	(116)	(4,940)	(1,878)	(3,062)
Operating reserve credit	(25,492)	(1,647)	(2,897)	(284)	(20,664)	(1,647)	(708)	(939)	(2,897)	(2,462)	(435)
<b>Total before allocation of indirect costs</b>	<b>196,028</b>	<b>18,433</b>	<b>48,915</b>	<b>1,810</b>	<b>126,870</b>	<b>18,433</b>	<b>10,528</b>	<b>7,905</b>	<b>48,915</b>	<b>21,961</b>	<b>26,954</b>
Total Direct Costs %		27%	70%	3%		100%	57%	43%	100%	45%	55%
Allocate indirect	-	34,255	88,809	3,806	(126,870)	34,255	19,525	14,730	88,809	39,964	48,845
<b>Total revenue requirement</b>	<b>\$ 196,028</b>	<b>\$ 52,688</b>	<b>\$ 137,724</b>	<b>\$ 5,616</b>		<b>\$ 52,688</b>	<b>\$ 30,053</b>	<b>\$ 22,635</b>	<b>\$ 137,724</b>	<b>\$ 61,925</b>	<b>\$ 75,799</b>
<b>Service category percentages</b>	<b>100%</b>	<b>27%</b>	<b>70%</b>	<b>3%</b>							
<b>Total RR</b>	<b>\$ 196,028</b>	<b>\$ 52,688</b>	<b>\$ 137,724</b>	<b>\$ 5,616</b>		<b>\$ 52,688</b>	<b>\$ 30,053</b>	<b>\$ 22,635</b>	<b>\$ 137,724</b>	<b>\$ 61,925</b>	<b>\$ 75,799</b>
<b>Less Fees</b>											
Market bid fees	(203)	(203)	-	-		(203)	(102)	(101)	-	-	-
InterSC-trade fees	(2,781)	(2,781)	-	-		(2,781)	-	(2,781)	-	-	-
SCID fees	(2,079)	(2,079)	-	-		(2,079)	(1,040)	(1,039)	-	-	-
TORs	(993)	-	(993)	-		-	-	-	(993)	(993)	-
CRR auction bid fees	(186)	-	-	(186)		-	-	-	-	-	-
Total fees	(6,242)	(5,063)	(993)	(186)		(5,063)	(1,142)	(3,921)	(993)	(993)	-
<b>Net revenue requirement for rates</b>	<b>\$ 189,786</b>	<b>\$ 47,625</b>	<b>\$ 136,731</b>	<b>\$ 5,430</b>		<b>\$ 47,625</b>	<b>\$ 28,911</b>	<b>\$ 18,714</b>	<b>\$ 136,731</b>	<b>\$ 60,932</b>	<b>\$ 75,799</b>
<b>Net revenue requirement for rates %</b>						<b>100%</b>	<b>61%</b>	<b>39%</b>	<b>100%</b>	<b>45%</b>	<b>55%</b>
Estimated volumes		514,168	474,712	566,649		514,168	514,168	514,168	474,712	474,712	474,712
Less grandfathered generation		-	(7,179)	-		-	-	-	(7,179)	(7,179)	(7,179)
Estimated volumes		514,168	467,533	566,649		514,168	514,168	514,168	467,533	467,533	467,533
2013 rates with new ABC		\$ 0.0926	\$ 0.2925	\$ 0.0096		\$ 0.0926	\$ 0.0562	\$ 0.0364	\$ 0.2925	\$ 0.1303	\$ 0.1621
<b>EIM (combined as one rate)</b>	<b>Real Time Combined</b>	<b>Real Time Market</b>	<b>Real Time Dispatch</b>			<b>Real Time Market</b>			<b>Real Time Dispatch</b>		
Costs	\$ 89,843	\$ 28,911	\$ 60,932			\$ 28,911			\$ 60,932		
Percentage of costs	100%	32%	68%			61%			45%		
EIM Rate using component rates	\$ 0.1865	\$ 0.0562	\$ 0.1303			\$ 0.0926	\$ 0.0562		\$ 0.2925	\$ 0.1303	
<b>EIM rate rounded</b>	<b>\$ 0.19</b>										

2013 ABC Level 2 Direct Costs											Split of Market Services		Split of System Operations		Split of Market Services			Split of System Operations			
ABC Level 2 Activities	Code	Market services	System Operations	CRR Services	Indirect	2013 Budget	Market services	System Operations	CRR Services	Indirect	Real Time Market	Day Ahead Market	Real Time Dispatch	Balancing Area Services	Total	Real Time Market	Day Ahead Market	Total	Real Time Dispatch	Balancing Area Services	
<b>Develop Infrastructure (DI)</b>	<b>80001</b>																				
Regulatory contract procedures	201				100%	\$ 378	\$ -	\$ -	\$ -	\$ 378					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Man Gen Intercon Proj (GIP) agrmts	202		100%			818	-	818	-	-				100%	-	-	-	818	-	818	
Manage GIP	203		100%			2,342	-	2,342	-	-				100%	-	-	-	2,342	-	2,342	
LT Transmission Planning	204		100%			4,273	-	4,273	-	-				100%	-	-	-	4,273	-	4,273	
New transmission resources	205		100%			552	-	552	-	-				100%	-	-	-	552	-	552	
Transmission maintenance studies	206		100%			499	-	499	-	-				100%	-	-	-	499	-	499	
Load resource data	207		100%			268	-	268	-	-				100%	-	-	-	268	-	268	
Season assessment	208		100%			223	-	223	-	-				100%	-	-	-	223	-	223	
Queue management	209		100%			615	-	615	-	-				100%	-	-	-	615	-	615	
Annual Delivery Assessment	210		100%			25	-	25	-	-				100%	-	-	-	25	-	25	
<b>Total DI</b>						<b>9,993</b>	<b>-</b>	<b>9,615</b>	<b>-</b>	<b>378</b>					<b>-</b>	<b>-</b>	<b>-</b>	<b>9,615</b>	<b>-</b>	<b>9,615</b>	
<b>Develop Markets (DM)</b>	<b>80002</b>																				
Manage Tariff Amendm	227				100%	355	-	-	-	355					-	-	-	-	-	-	
Post order rehearing	228				100%	30	-	-	-	30					-	-	-	-	-	-	
Develop State/Fed regulatory policy	229				100%	564	-	-	-	564					-	-	-	-	-	-	
BPM change management process	230				100%	33	-	-	-	33					-	-	-	-	-	-	
Develop infrastructure policy	231		100%			829	-	829	-	-				100%	-	-	-	829	-	829	
Perform market analysis	232	100%				1,604	1,604	-	-	-	50%	50%			1,604	802	802	-	-	-	
Develop market design	233	100%				2,242	2,242	-	-	-	50%	50%			2,242	1,121	1,121	-	-	-	
Regulatory contract negotiations	234				100%	142	-	-	-	142					-	-	-	-	-	-	
<b>Total DM</b>						<b>5,799</b>	<b>3,846</b>	<b>829</b>	<b>-</b>	<b>1,124</b>					<b>3,846</b>	<b>1,923</b>	<b>1,923</b>	<b>829</b>	<b>-</b>	<b>829</b>	
<b>Man Mkt &amp; Rel Data &amp; Model (MMR)</b>	<b>80004</b>																				
Manage FNM maintenance	301	50%	50%			1,724	862	862	-	-	50%	50%	100%		862	431	431	862	862	-	
Plan & develop ops sim training	302	20%	80%			300	60	240	-	-	100%		100%		60	60	-	240	240	-	
ISO meter certification	303		100%			416	-	416	-	-				100%	-	-	-	416	-	416	
Energy measure (EMAA) telemetry	304		100%			100	-	100	-	-				100%	-	-	-	100	-	100	
Metering sys config for mkt res	305		100%			70	-	70	-	-			100%		-	-	-	70	70	-	
Manage CRRs	307			100%		574	-	-	574	-					-	-	-	-	-	-	
Manage credit and collateral	308	45%	45%	10%		583	262	262	59	-	50%	50%	100%		262	131	131	262	262	-	
Resource management	309	50%	50%			910	455	455	-	-	80%	20%	20%	80%	455	364	91	455	91	364	
Manage reliability requirements	310		100%			931	-	931	-	-				100%	-	-	-	931	-	931	
Manage operations planning	311		100%			1,321	-	1,321	-	-				100%	-	-	-	1,321	-	1,321	
Manage WECC seasonal studies	312		100%			71	-	71	-	-				100%	-	-	-	71	-	71	
PIRP	313	20%	80%			1	-	1	-	-	100%		100%		-	-	-	1	1	-	
Man & facilitate procedure maint	314	20%	80%			841	168	673	-	-	100%		100%		168	168	-	673	-	673	
Procedure Admin & Reporting	315	20%	80%			11	2	9	-	-	100%		100%		2	2	-	9	-	9	
Plan & develop operations training	316	20%	80%			714	143	571	-	-	100%		100%		143	143	-	571	571	-	
Execute & track operations training	317	20%	80%			1,383	277	1,106	-	-	100%		100%		277	277	-	1,106	1,106	-	
CETAC activity	318		100%			73	-	73	-	-				100%	-	-	-	73	-	73	
Provide stakeholder training	320				100%	286	-	-	-	286					-	-	-	-	-	-	
SC management	321				100%	167	-	-	-	167					-	-	-	-	-	-	
<b>Total MMR</b>						<b>10,476</b>	<b>2,229</b>	<b>7,161</b>	<b>633</b>	<b>453</b>					<b>2,229</b>	<b>1,576</b>	<b>653</b>	<b>7,161</b>	<b>3,203</b>	<b>3,958</b>	

2013 ABC Level 2 Direct Costs											Split of Market Services		Split of System Operations		Split of Market Services			Split of System Operations			
ABC Level 2 Activities	Code	Market services	System Operations	CRR Services	Indirect	2013 Budget	Market services	System Operations	CRR Services	Indirect	Real Time Market	Day Ahead Market	Real Time Dispatch	Balancing Area Services	Total	Real Time Market	Day Ahead Market	Total	Real Time Dispatch	Balancing Area Services	
<b>Manage Market &amp; Grid (MMG)</b>	<b>80005</b>																				
Manage DA market support	352	100%				115	115	-	-	-		100%			115	-	115	-	-	-	-
Manage RT market support	353	50%	50%			1,231	616	615	-	-	100%		100%		616	616	-	615	615	-	-
Outage & model management	355		100%			2,921	-	2,921	-	-				100%	-	-	-	2,921	-	2,921	-
Manage DA market	358	50%	50%			2,564	1,282	1,282	-	-		100%	80%	20%	1,282	-	1,282	1,282	1,026	256	-
Manage pre & post scheduling	359		100%			974	-	974	-	-				100%	-	-	-	974	-	974	-
Manage ops engineering support	362	20%	80%			1,148	230	918	-	-	50%	50%	100%		230	115	115	918	918	-	-
RT Mkt - shift supervisor: Post DA & Pre RT & Manage Emergency Ops	363	50%	50%			2,021	1,011	1,010	-	-	100%		20%	80%	1,011	1,011	-	1,010	202	808	-
RT Ops - Gen & RRC: Maintain Balancing Area & Manage RTPD	364	20%	80%			6,093	1,219	4,874	-	-	100%		100%		1,219	1,219	-	4,874	4,874	-	-
RT Ops - Transmission: Transmission & Electric System	365		100%			4,956	-	4,956	-	-				100%	-	-	-	4,956	-	4,956	-
RT Ops - Scheduling Desk - Manage RT Interchange Scheduling	366		100%			3,754	-	3,754	-	-				100%	-	-	-	3,754	-	3,754	-
<b>Total MMG</b>						<b>25,777</b>	<b>4,473</b>	<b>21,304</b>	-	-					<b>4,473</b>	<b>2,961</b>	<b>1,512</b>	<b>21,304</b>	<b>7,635</b>	<b>13,669</b>	-
<b>MMG %s</b>						<b>100%</b>	<b>17%</b>	<b>83%</b>							<b>100%</b>	<b>66%</b>	<b>34%</b>	<b>100%</b>	<b>36%</b>	<b>64%</b>	-
<b>Man Ops Sup &amp; Settlements (MOS)</b>	<b>80007</b>																				
Man price validation & corrections	401	50%	50%			156	78	78	-	-	50%	50%	100%		78	39	39	78	78	-	-
Man dispute analysis & resolution	402				100%	725	-	-	-	725					-	-	-	-	-	-	-
Manage MQS	403	50%	50%			1,142	571	571	-	-	80%	20%	100%		571	457	114	571	571	-	-
Manage data requests	404				100%	97	-	-	-	97					-	-	-	-	-	-	-
Man reg no pay & deviation pen calc	405		100%			8	-	8	-	-				100%	-	-	-	8	-	8	-
Manage rules of conduct	406				100%	165	-	-	-	165					-	-	-	-	-	-	-
Periodic Meter Audit	407		100%			4	-	4	-	-			100%		-	-	-	4	4	-	-
ISO RIG engineering	408		100%			332	-	332	-	-				100%	-	-	-	332	-	332	-
Manage EMAA	409		100%			926	-	926	-	-				100%	-	-	-	926	926	-	-
Manage market clearing	411	45%	45%	10%		111	50	50	11	-	80%	20%	100%		50	40	10	50	50	-	-
Manage mkt billing & settlements	412	45%	45%	10%		1,202	541	541	120	-	80%	20%	100%		541	433	108	541	541	-	-
Manage RMR settlements	413		100%			10	-	10	-	-				100%	-	-	-	10	10	-	-
Manage settlements release cycle	414	45%	45%	10%		807	363	363	81	-	80%	20%	100%		363	290	73	363	363	-	-
Manage market performance	417	50%	50%			208	104	104	-	-	50%	50%	100%		104	52	52	104	104	-	-
Man dispute analysis & resolution	418				100%	24	-	-	-	24					-	-	-	-	-	-	-
Perform mkt validation	419	50%	50%			1,216	608	608	-	-	50%	50%	100%		608	304	304	608	608	-	-
<b>Total MOS</b>						<b>7,133</b>	<b>2,315</b>	<b>3,595</b>	<b>212</b>	<b>1,011</b>					<b>2,315</b>	<b>1,615</b>	<b>700</b>	<b>3,595</b>	<b>3,255</b>	<b>340</b>	-
<b>Support Cust &amp; Stakeholders (SCS)</b>	<b>80010</b>																				
Represent ISO	539				100%	224	-	-	-	224					-	-	-	-	-	-	-
Client Inquiries	601				100%	1,318	-	-	-	1,318					-	-	-	-	-	-	-
Account management	602				100%	889	-	-	-	889					-	-	-	-	-	-	-
Stakeholder Processes	603				100%	666	-	-	-	666					-	-	-	-	-	-	-
Develop PTOs	605		100%			8	-	8	-	-				100%	-	-	-	8	-	8	-
Serve New Customers	606				100%	299	-	-	-	299					-	-	-	-	-	-	-
Government Affairs	609				100%	3,989	-	-	-	3,989					-	-	-	-	-	-	-
Commun & Public Relations	610				100%	1,793	-	-	-	1,793					-	-	-	-	-	-	-
<b>Total SCS</b>						<b>9,186</b>	-	<b>8</b>	-	<b>9,178</b>					-	-	-	<b>8</b>	-	<b>8</b>	-
<b>Total Direct O&amp;M</b>						<b>\$ 68,364</b>	<b>\$ 12,863</b>	<b>\$ 42,512</b>	<b>\$ 845</b>	<b>\$ 12,144</b>					<b>\$ 12,863</b>	<b>\$ 8,075</b>	<b>\$ 4,788</b>	<b>\$ 42,512</b>	<b>\$ 14,093</b>	<b>\$ 28,419</b>	-
<b>Direct O&amp;M %</b>						<b>100%</b>	<b>19%</b>	<b>62%</b>	<b>1%</b>	<b>18%</b>					<b>100%</b>	<b>63%</b>	<b>37%</b>	<b>100%</b>	<b>33%</b>	<b>67%</b>	-

2013 ABC support costs, non-ABC support costs, other revenue and operating reserve credit											Split of Market Services		Split of System Operations		Split of Market Services			Split of System Operations			
ABC Level 1 Activities or Division	Market services	System Operations	CRR Services	Indirect	2013 Budget	Market services	System Operations	CRR Services	Indirect	Comments	Real Time Market	Day Ahead Market	Real Time Dispatch	Balancing Area Services	Total	Real Time Market	Day Ahead Market	Total	Real Time Dispatch	Balancing Area Services	
<b>ABC Support costs</b>																					
Man Human Capabilities (MHC) (80003)				100%	\$ 4,924	\$ -	\$ -		\$ 4,924						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Plan & Manage Business (PMB) (80008)				100%	9,973	-	-		9,973						-	-	-	-	-	-	
Support Business Services (SBS) (80009)				100%	49,789	-	-	-	49,789						-	-	-	-	-	-	
<b>Total Support Activities</b>					<b>\$ 64,686</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 64,686</b>						<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
<b>Non-ABC Support costs</b>																					
<b>Technology</b>																					
Hardware & software maint & leases				100%	\$ 8,941	\$ -	\$ -	\$ -	\$ 8,941						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Communications (AT&T)				100%	5,952	-	-	-	5,952						-	-	-	-	-	-	
Occupancy				100%	5,441	-	-	-	5,441						-	-	-	-	-	-	
<b>Operations &amp; MQRI</b>																					
Intermittent resource forecasting fee	20%	80%			1,687	337	1,350	-	-	use 80004 #313	100%		100%		337	337	-	1,350	1,350	-	
<b>General Counsel</b>																					
Legal, audit & bank fees				100%	5,180	-	-	-	5,180						-	-	-	-	-	-	
Professional fees - SSAE 16 audit	45%	45%	10%		539	243	243	53	-	use 80007 #412	80%	20%	100%		243	194	49	243	243	-	
Professional fees - operations audit	17%	83%			200	34	166	-	-	use 80005 total	66%	34%	36%	64%	34	22	12	166	60	106	
Insurance				100%	1,917	-	-	-	1,917						-	-	-	-	-	-	
<b>Total non-ABC support costs</b>					<b>\$ 29,857</b>	<b>\$ 614</b>	<b>\$ 1,759</b>	<b>\$ 53</b>	<b>\$ 27,431</b>						<b>\$ 614</b>	<b>\$ 553</b>	<b>\$ 61</b>	<b>\$ 1,759</b>	<b>\$ 1,653</b>	<b>\$ 106</b>	
<b>Other revenue</b>																					
SC application fee				100%	\$ 100	\$ -	\$ -	\$ -	\$ 100						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
MSS penalties				100%	250	-	-	-	250						-	-	-	-	-	-	
SC training fees				100%	150	-	-	-	150						-	-	-	-	-	-	
Intermittent resource forecasting fee	20%	80%			1,600	320	1,280	-	-	use 80004 #313	100%		100%		320	320	-	1,280	1,280	-	
LGIP study fees		100%			2,000	-	2,000	-	-	use 80001 #203				100%	-	-	-	2,000	-	2,000	
Interest				100%	1,800	-	-	-	1,800						-	-	-	-	-	-	
COI path operator fees	17%	83%			2,000	340	1,660	-	-	use 80005 total	66%	34%	36%	64%	340	224	116	1,660	598	1,062	
<b>Total other revenue</b>					<b>\$ 7,900</b>	<b>\$ 660</b>	<b>\$ 4,940</b>	<b>\$ -</b>	<b>\$ 2,300</b>						<b>\$ 660</b>	<b>\$ 544</b>	<b>\$ 116</b>	<b>\$ 4,940</b>	<b>\$ 1,878</b>	<b>\$ 3,062</b>	
<b>Operating reserve credit</b>																					
Decrease in 15% reserve for O&M				100%	\$ 21	\$ -	\$ -	\$ -	\$ 21						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
25% debt service reserve 2008 bonds	29%	51%	5%	15%	5,680	1,647	2,897	284	852	use debt service allocation	43%	57%	85%	15%	1,647	708	939	2,897	2,462	435	
25% debt service reserve 2009 bonds				100%	3,570	-	-	-	3,570	use debt service allocation					-	-	-	-	-	-	
Revenue changes				100%	9,266	-	-	-	9,266						-	-	-	-	-	-	
Expense changes				100%	6,955	-	-	-	6,955						-	-	-	-	-	-	
<b>Total operating reserve credit</b>					<b>\$ 25,492</b>	<b>\$ 1,647</b>	<b>\$ 2,897</b>	<b>\$ 284</b>	<b>\$ 20,664</b>						<b>\$ 1,647</b>	<b>\$ 708</b>	<b>\$ 939</b>	<b>\$ 2,897</b>	<b>\$ 2,462</b>	<b>\$ 435</b>	

2013 Debt Service 2008 & 2009 Bonds and Cash Funded Capital										Split of Market Services		Split of System Operations		Split of Market Services			Split of System Operations			
System / Type	Market Services	System Operations	CRR Svcs	Indirect	2013 Budget	Market services	System Operations	CRR Svcs	Indirect	Real Time Market	Day Ahead Market	Real Time Dispatch	Balancing Area Services	Total	Real Time Market	Day Ahead Market	Total	Real Time Dispatch	Balancing Area Services	
<b>Debt Service 2008 Bonds</b>																				
<b>Operations Related Software</b>																				
Automated Dispatch System (ADS)		100%			\$ 30	\$ -	\$ 30	\$ -	\$ -			100%		\$ -	\$ -	\$ -	\$ 30	\$ 30	\$ -	
Automated Load Forecast System (ALFS)	50%	50%			79	40	39	-	-	100%		100%		40	40	-	39	39	-	
Congestion Revenue Rights (CRR)			100%		855	-	-	855	-					-	-	-	-	-	-	
DMM & compliance Tools (SAS MARS)	50%	50%			478	239	239	-	-	50%	50%	100%		239	120	119	239	239	-	
Energy Management System (EMS)		100%			1,923	-	1,923	-	-			20%	80%	-	-	-	1,923	385	1,538	
Exist Transmiss Contracts Calculator (ETCC)		100%			5	-	5	-	-				100%	-	-	-	5	-	5	
Full Network Model / State estimator	50%	50%			182	91	91	-	-	100%		100%		91	91	-	91	91	-	
Integrated Forward Market (IFM) RTN	50%	50%			6,365	3,183	3,182	-	-		100%	100%		3,183	-	3,183	3,182	3,182	-	
Market Quality System (MQS)	50%	50%			1,013	506	507	-	-	80%	20%	100%		506	405	101	507	507	-	
Master file	50%	50%			409	205	204	-	-	100%		100%		205	205	-	204	204	-	
Meter Data Acquisition System (MDAS)		100%			15	-	15	-	-			100%		-	-	-	15	15	-	
New Res Interconnection (Rims) or (NRI)	20%	80%			219	44	175	-	-		100%		100%	44	-	44	175	-	175	
Open Access Same Time Info System (OASIS)	50%	50%			66	33	33	-	-	100%		100%		33	33	-	33	33	-	
Ops Meter Analysis & Reporting (OMAR)		100%			96	-	96	-	-			100%		-	-	-	96	96	-	
Participating Intermittant Res Project (PIRP)	20%	80%			45	9	36	-	-	100%		100%		9	9	-	36	36	-	
Portal	50%	50%			473	236	237	-	-	80%	20%	100%		236	189	47	237	237	-	
CAISO Market Results interface (CMRI)	50%	50%			411	206	205	-	-	80%	20%	100%		206	165	41	205	205	-	
Process Information System (PI)		100%			137	-	137	-	-				100%	-	-	-	137	-	137	
RT markets (RTMA) split off 50% into HASP	20%	80%			1,271	254	1,017	-	-	100%		100%		254	254	-	1,017	1,017	-	
HA Market (HASP) split off 50% from RTMA	50%	50%			1,270	635	635	-	-	100%		100%		635	635	-	635	635	-	
Resource Adequacy	50%	50%			43	21	22	-	-		100%		100%	21	-	21	22	-	22	
RMR application Validation Engine (RAVE)	50%	50%			5	3	2	-	-		100%		100%	3	-	3	2	-	2	
Scheduling & Logging for ISO CA (SLIC)	50%	50%			295	147	148	-	-	100%		100%		147	147	-	148	148	-	
Control Area Scheduler (CAS)		100%			47	-	47	-	-				100%	-	-	-	47	-	47	
Sched Infrastructure Business Rules (SIBR)	50%	50%			1,801	900	901	-	-	50%	50%	100%		900	450	450	901	901	-	
Settlements & Mkt Clearing (SaMC)	15%	75%	10%		3,407	511	2,555	341	-	80%	20%	100%		511	409	102	2,555	2,555	-	
<b>Total Operations related software</b>					<b>20,940</b>	<b>7,263</b>	<b>12,481</b>	<b>1,196</b>	<b>-</b>					<b>7,263</b>	<b>3,152</b>	<b>4,111</b>	<b>12,481</b>	<b>10,555</b>	<b>1,926</b>	
<b>General Software &amp; Fixed Assets</b>																				
Client relations & engineering analysis tools			100%		154	-	-	-	154					-	-	-	-	-	-	
LAN, WAN & monitoring (Tivoli)			100%		650	-	-	-	650					-	-	-	-	-	-	
Office automation desktop laptop (OA)			100%		80	-	-	-	80					-	-	-	-	-	-	
Oracle Corporate Financials			100%		606	-	-	-	606					-	-	-	-	-	-	
Security External Physical & ISS (CUDA)			100%		99	-	-	-	99					-	-	-	-	-	-	
Storage (EMC symmetrix)			100%		889	-	-	-	889					-	-	-	-	-	-	
Land & feasibility studies			100%		238	-	-	-	238					-	-	-	-	-	-	
NT servers & WEB servers			100%		232	-	-	-	232					-	-	-	-	-	-	
New system equipment			100%		400	-	-	-	400					-	-	-	-	-	-	
Office equip, furniture & leasehold imp			100%		378	-	-	-	378					-	-	-	-	-	-	
<b>Total fixed assets</b>					<b>3,726</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,726</b>					<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Total debt service 2008 Bonds</b>					<b>\$ 24,666</b>	<b>\$ 7,263</b>	<b>\$ 12,481</b>	<b>\$ 1,196</b>	<b>\$ 3,726</b>					<b>\$ 7,263</b>	<b>\$ 3,152</b>	<b>\$ 4,111</b>	<b>\$ 12,481</b>	<b>\$ 10,555</b>	<b>\$ 1,926</b>	
<b>Total debt service 2008 Bonds %</b>					<b>100%</b>	<b>29%</b>	<b>51%</b>	<b>5%</b>	<b>15%</b>					<b>100%</b>	<b>43%</b>	<b>57%</b>	<b>100%</b>	<b>85%</b>	<b>15%</b>	

2013 Debt Service 2008 & 2009 Bonds and Cash Funded Capital										Split of Market Services		Split of System Operations		Split of Market Services			Split of System Operations			
System / Type	Market Services	System Operations	CRR Svcs	Indirect	2013 Budget	Market services	System Operations	CRR Svcs	Indirect	Real Time Market	Day Ahead Market	Real Time Dispatch	Balancing Area Services	Total	Real Time Market	Day Ahead Market	Total	Real Time Dispatch	Balancing Area Services	
<b>Debt Service 2009 Bonds</b>																				
Building, land & feasibility studies	0%	0%	0%	100%	\$ 17,847	\$ -	\$ -	\$ -	\$ 17,847					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total debt service 2009 Bonds</b>					<b>\$ 17,847</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 17,847</b>					<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Cash Funded Capital</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>100%</b>	<b>\$ 24,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 24,000</b>					<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>