

**ORA DATA REQUEST
 ORA-SDG&E-DR-016-SJL
 SDG&E 2016 GRC – A.14-11-003
 SDG&E RESPONSE
 DATE RECEIVED: DECEMBER 4, 2014
 DATE RESPONDED: DECEMBER 17, 2014**

Exhibit Reference: SDG&E-09, Chapter V.G., page 83-89; Workpapers pp. 484-519
 (Note: All data cited in this data request is based on SDG&E response to DR ORA-SDG&E-GAW-005.)

Subject: Overhead Pools

Please provide the following:

1. The exhibit (p.84) and workpapers (p.484) state that the Local Engineering Electric Distribution Pool costs track the historical relationship between this pool and the various capital categories listed. Based on the 2012 recorded data, the grand total for the capital cost categories used as the basis of the 2014-2016 forecasts was \$248.54 million. The 2013 grand total \$206.78 million. The 2013 total is 16.8% lower than the 2012 total. However, the Local Engineering Pool recorded costs increased by 10.4%, from \$48.15 million to \$53.16 million from 2012 to 2013. Please explain why the 2013 recorded costs did not decrease by 16.8% compared to the 2012 costs for this pool category.

SDG&E Response:

As stated in the direct testimony of John Jenkins, Exhibit SDG&E-09 on page JDJ-84 and 85, the expenditures in the Pools have increased as the industry is moving toward the use of detailed engineering studies or designs, instead of relying solely on standards. New advanced tools, like LiDAR and PLS-CADD, are also changing the way engineering and design work is done for electric distribution facilities. As such, the forecast in the labor and non-labor areas of this pool has been derived from the Base Year 2013 expenditures with a net upward adjustment based on a historical relationship of Local Engineering – ED capital overheads to capital expenditures due to the level of detail that is now required. Local Engineering support tracks the historical relationship between the engineering and support requirements and the related capital of Capacity/Expansion, Franchise, Mandated, Materials, New Business, Reliability/Improvements, Safety and Risk Management, and Transmission/FERC Driven Projects (Expenditures for Meters & Regulators, Capital Tools, and the Smart Meter Program are excluded).

	Recorded	Estimated	Estimated	Estimated
	2013	2014	2015	2016
901 - Local Engineering Pool - ED Pool	53,164	84,987	93,688	92,593
Basis of Forecast - Capital Categories/Budgets	206,784	330,560	364,404	360,144
% of Basis of Forecast	25.7%	25.7%	25.7%	25.7%

	Recorded	Estimated	Estimated	Estimated
Increase/Decrease on a Yearly Basis %	2013	2014	2015	2016
901 - Local Engineering Pool - ED Pool	N/A	59.9%	10.2%	-1.2%
Basis of Forecast - Capital Categories	N/A	59.9%	10.2%	-1.2%

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2. Workpaper p.495, Local Engineering – Substation Pool, Step 1b, shows a table that lists the costs by Category/Budget Code which are excluded from the basis of the 2014-2016 forecasts. Provide a table and excel spreadsheet for the years 2009-2012 which shows the excluded costs for this pool’s forecast if the same principles were applied for exclusion as SDG&E used in the forecast period.

SDG&E Response:

Category/Budget Code	2009 \$	2010 \$	2011 \$	2012 \$
CAPACITY/EXPANSION	5,957	11,280	7,790	8,926
10249 - SANTEE-NEW 12KV CKT. 1140	-	-	-	-
10256 - C520, AV: RECONDUCTOR PHASE I	-	-	-	1,588
10257 - C520, AV: RECONDUCTOR PHASE 2	-	-	96	1,423
10264 - C1243,RMV:OL-RECOND ALONG ORTEGA HWY	-	-	-	-
10266 - C350, LI: Reconductor, Install Reg, RFS Cap	-	-	-	-
10270 - C1049, CSW: New 12kV Circuit	-	-	-	-
11244 - C928, POM: New 12kV Circuit	-	-	-	-
11254 - BE: NEW 12KV CIRCUIT 1026	-	-	413	97
11259 - C100, OT: 12kV Circuit Extension	-	-	-	-
11263 - SAMPSON: INSTALL NEW 12KV CIRCUIT 369	-	-	-	136
12254 - SAMPSON-NEW 12KV CKT. 1219	-	-	-	-
13250 - C108, B: Circuit Reconfiguration	-	-	-	-
13251 - C176.PO: Reconductor	-	-	-	-
13259 - C1243, RMV: Reconductor Along Ortega Highway Ph 2	-	-	-	-
13260 - C1288, MSH: New 12kV Circuit	-	-	-	-
13263 - C982: OL-Replace 300A Reg with 600A Reg	-	-	-	-
13285 - C1090, JM: New 12kV Circuit	-	-	-	-
13286 - C1120, BQ: New 12kV Circuit	-	-	-	-
13288 - GH New 12kV Circuit	-	-	-	-
154 - RECOND. TL13802B, SHADOWRIDGE-CALAVERA	-	544	(26)	48
2245 - STATION B-EXTENSION OF CIRCUIT 108	560	(82)	-	-

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Response to Question 2 (Continued)

228 - REACTIVE SMALL CAPITAL PROJECTS	910	1,993	1,382	1,411
6131 - LOOP-IN TL13825 INTO SHADOWRIDGE	316	1,186	-	-
6242 - PALA SUB-NEW CKT. 1234	-	4	289	-
6244 - C1224-TC: EXTEND C1224	(2)	-	-	-
6245 - C167, STREAMVIEW-OFFLOAD WA3, WA5 & WA6	471	2,058	3	-
6249 - C248 OL-NEW CKT. LOS COCHES SUB.	75	-	(3)	-
6252 - C1073: LAGUNA NIGUEL NEW CKT	(1)	-	-	-
6253 - C995: NEW PICO CKT TO OFFLOAD C993	23	-	-	-
6259 - C859-NEW CIRCUIT FROM SH SUB.	-	1	-	-
6263 - ASH SUB-NEW 12KV CKT. 1039	(72)	-	-	-
6266 - FELICITA SUB-NEW 12KV CKT. 788	24	-	-	-
6267 - SCRIPPS-NEW 12KV CKT. 729	217	(39)	-	-
6268 - C1138:NEW SN CKT TO OFFLOAD C396	944	(7)	(5)	-
7242 - TELEGRAPH CANYON-NEW 12KV CKT. 1225	331	2	-	-
7243 - PALOMAR AIRPORT SUB-NEW CKT. 589	644	-	-	-
7244 - MELROSE SUBSTATION-NEW 12KV CKT. 821	81	10	-	-
7246 - NEW 12KV CIRCUITS 1434 & 1435	5	-	-	-
7247 - PROCTOR VALLEY-NEW 12KV CKT. 1007	848	133	(3)	-
7249 - SAN YSIDRO-NEW 12KV CKT. 1202	140	199	103	415
7250 - ARTESIAN-EXTEND CKT. 1102	(41)	-	-	-
7251 - POMERADO-NEW 12KV CKT. 927	1	1	785	20
7253 - BORDER-INSTALL NEW 12KV CKT. 1161	22	13	93	175
7256 - C1438, GRANT HILL-NEW 12KV CKT	461	1,437	1,095	12
8245 - LOS COCHES-NEW 12KV CKT. 1281	-	97	-	-
8247 - LOS COCHES-NEW 12KV CKT. 1280	-	2,551	(15)	-
8250 - C905: SAN LUIS REY-NEW 12KV CKT.	-	120	2,081	1,301
8257 - C1079, OS: NEW 12KV CKT TO PENDLETON HOS	-	-	-	496
8259 - C917, CC: New 12kv Circuit	-	-	-	-

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8264 - C110, STA. B-SHORE POWER PROJ 12KV EXTEN	-	1,059	289	-
9242 - ARTESIAN SUB-NEW CKT. 1105	-	-	318	78
9268 - NEW SANTEE C1139	-	-	-	353
9271 - C1259, MAR: New 12kV Circuit	-	-	-	-
9274 - LOS COCHES-INSTALL NEW 12KV CKT. 1282	-	-	1	2
9278 - MARGARITA SUB-NEW 12KV CKT. 1260	-	-	270	981
9279 - CABRILLO CIRCUIT 483-RELOCATION	-	-	624	390
EQUIP/TOOLS/MISC	1,542	1,200	1,121	2,065
206 - ELECTRIC DISTRIBUTION TOOLS/EQUIPMENT	1,542	1,200	1,121	2,065
FRANCHISE	44,856	44,888	43,440	42,752
105 - ELECTRIC TRANS. STREET/HWY RELOCATIONS	32	68	(2)	(2)
205 - ELECTRIC DIST. STREET/HWY RELOCATIONS	4,948	7,814	5,834	8,027
210 - CONVERSION FROM OH TO UG RULE 20A	14,091	12,521	11,186	14,634
213 - CITY OF SAN DIEGO SURCHARGE PROG (20SD)	25,785	24,485	26,422	20,093
9247 - BAY HO BLK 6J 20SD CONV	-	-	-	-
9249 - SHERMAN HEIGHTS BLK 8F 20SD	-	-	-	-
9250 - POINT LOMA BLK 2J 20SD	-	-	-	-
9251 - MESA COLLEGE DR 20SD	-	-	-	-
9252 - PARADISE HILLS BLK 4AA 20SD CONV	-	-	-	-
9253 - SHERMAN HEIGHTS 2 BLK 8-G 20SD	-	-	-	-
9254 - BONITA RD 20A CONVERSION PH 3	-	-	-	-
9255 - COUNTY SOUTH SANTA FE PHASE A 20A	-	-	-	-
9256 - ELM AVE 20A	-	-	-	-
9261 - GARRISON ST 20A	-	-	-	-
9262 - CANON ST 20A	-	-	-	-
9263 - ISLAND AV PHASE 2 20A	-	-	-	-
9264 - K ST PHASE 2 20A	-	-	-	-
9265 - BRIARWOOD RD 20A	-	-	-	-

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9266 - WAITE DR 20A	-	-	-	-
9272 - NATIONAL AV PHASE 1 20A	-	-	-	-
9273 - NATIONAL AV 20A PHASE 2	-	-	-	-
MANDATED	27,486	35,324	27,844	26,513
10127 - AERIAL LIGHTING & MARKING ON SWPL, TL629	-	13	-	-
10265 - AVIAN PROTECTION PROGRAM	-	976	1,363	1,674
10269 - EDM GO RULE 18 FIRE HAZ PREVENTION-IT	-	62	681	289
11144 - ON-RAMP AERIAL LIGHTING	-	-	47	25
1295 - LOAD RESEARCH/DLP ELEC. METERING PROJECT	161	70	256	31
2263 - SPILL PREVENTION, CONTAINMENT & COUNTERM	-	-	-	-
229 - CORRECTIVE MAINTENANCE PROGRAM	9,792	10,277	9,515	9,766
289 - SWITCH REPLACEMENT & MANHOLE REPAIR	6,148	5,070	4,889	4,893
8255 - CPP - DEFAULT	47	3	1	-
87232 - POLE REPLACEMENT AND REINFORCEMENT	11,338	18,853	11,092	9,835
MATERIALS	22,674	21,661	17,775	18,195
214 - TRANSFORMERS	22,674	21,661	17,775	18,195
NEW BUSINESS	48,227	41,966	44,609	36,157
202 - ELECTRIC METERS & REGULATORS	2,096	5,016	5,440	2,608
204 - ELECTRIC DISTRIBUTION EASEMENTS	1,347	3,559	1,728	1,341
211 - CONVERSION FROM OH-UG RULE 20B, 20C	4,678	1,410	3,739	1,290
215 - OH RESIDENTIAL NB	567	256	435	368
216 - OH NON-RESIDENTIAL NB	1,139	445	756	721
217 - UG RESIDENTIAL NB	2,318	2,131	2,560	3,237
218 - UG NON-RESIDENTIAL NB	3,677	1,881	2,346	2,629
219 - NEW BUSINESS INFRASTRUCTURE	4,023	2,917	4,020	3,882
224 - NEW SERVICE INSTALLATIONS	4,838	3,858	3,515	3,419
225 - CUSTOMER REQUESTED UPGRADES AND SERVICES	9,498	6,903	7,175	7,103
2264 - SUSTAINABLE COMMUNITY ENERGY SYSTEMS	6,011	7,357	7,938	4,469

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235 - TRANSFORMER & METER INSTALLATIONS	8,011	6,233	4,957	5,090
4241 - ELECTRIC DISTRIBUTION-FIRESTORM 2003	24	-	-	-
RELIABILITY/IMPROVEMENTS	48,541	41,878	54,863	72,913
10261 - SMART GRID PORTFOLIO	-	-	-	-
10262 - UPGRADE GENERATORS FOR MICROGRID PROJ	-	113	1,002	72
10267 - METER FARM EXPANSION	-	498	734	122
10271 - WIRELESS-COMM. NETWORK FOR T&D SENSORS	-	215	1,906	2,523
10274 - DYNAMIC VOLTAGE CONTROL	-	-	332	764
11125 - TL 6961 - SXBN	-	-	-	-
11246 - SMART TRANSFORMERS	-	-	33	394
11247 - ADVANCED ENERGY STORAGE	-	-	684	10,102
11249 - INSTALL SCADA ON LINE CAPACITORS	-	-	-	3,196
11251 - OPERATIONAL DATA STORE	-	-	5,953	10
11253 - WIRELESS FAULT INDICATORS	-	-	37	3,120
11255 - SAN DIEGO EIC SOLAR GROVE	-	-	535	79
11258 - ASAPNET, AREA SITUATIONAL AWARENESS	-	-	757	2,095
11262 - SDGE METRO BUCC RADIO UPGRADE	-	-	-	-
11267 - SCADA EXPANSION-DISTRIBUTION	-	-	-	3,560
12242 - DYNAMIC LINE RATINGS (DISTRIBUTION)	-	-	-	135
12243 - PHASOR MEASUREMENT UNITS (DISTRIBUTION)	-	-	-	903
12244 - INTEGRATED TEST FACILITY	-	-	-	1,215
12246 - ADVANCED GROUND FAULT DETECTION	-	-	-	720
12247 - SMART ISOLATION & RECLOSING	-	-	-	1,507
12250 - ARC DETECTION-DISTRIBUTION	-	-	-	474
12252 - MISSION PERIMETER SWALES	-	-	-	899
12253 - OCE COLORWAVE 600 SYSTEMS	-	-	-	177
12255 - ADVANCED DIST. MANAGEMENT SYSTEM	-	-	-	422
12266 - CONDITION BASED MAINTENANCE-SMART GRID	-	-	-	1,169

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13245 - SANTA YSABEL MICROGR	-	-	-	-
13249 - C426/C465: Balboa Park Reliability Upgrades	-	-	-	-
13253 - BALBOA PARK MICROGRI	-	-	-	-
13254 - SMART COMMUNITY CIVI	-	-	-	-
13256 - DERMS/MICROGRID CONT	-	-	-	-
13257 - ADVANCED DIST MGMT SYS (ADMS) PHASE II	-	-	-	-
13258 - OPTIMIZATION OF PRICING & RESOURCE ALLOC	-	-	-	-
13261 - Super Computer Cluster	-	-	-	-
14243 - Borrego Springs Microgrid Enhancements	-	-	-	-
226 - MANAGEMENT OF OH DIST. SERVICE	12,910	7,789	10,781	8,322
227 - MANAGEMENT OF UG DIST. SERVICE	3,613	3,558	3,469	4,083
230 - REPLACEMENT OF UNDERGROUND CABLES	10,803	11,918	16,984	12,773
236 - CAPITAL RESTORATION OF SERVICE	(713)	7,697	4,260	3,405
4137 - DIVISION TO NAVAL STATION METERING	104	8	-	-
8263 - DOE MICROGRID	470	972	832	3,389
9245 - C1021,LI:REL IMPROVE. VIA UG, NEW 12KV C	4,365	139	(58)	-
9246 - C1022,LI:REL IMPROVE. VIA UG, NEW 12KV C	504	65	-	-
9270 - GENERATOR PURCH & PRE-WIRE COST FOR CFSP	3,863	178	-	-
9275 - CEC MICROGRID	-	229	715	1,851
9295 - C445 BOULEVARD RECONDUCTOR	-	816	254	303
93240 - DISTRIBUTION CIRCUIT RELIABILITY CONSTRU	11,922	6,707	5,156	4,910
94241 - POWER QUALITY PROGRAM	29	70	32	129
94245 - DIST. AUTOMATION & CONTROL SYS. SECURITY	671	906	465	90
SAFETY AND RISK MANAGEMENT	1,001	1,448	3,242	8,446
10263 - UNDERGROUNDING IN FIRE THREAT ZONES	-	-	737	1,163
11243 - SANTA ANA WIND/FIRE WEATHER MONITOR/FORE	-	-	1,036	1,958
11245 - CKT CTL-1, 2011 CFSP: HENDRIX CABLE INST	-	-	-	348
12249 - ADVANCED WEATHER STA. INTEGRATION & FORE	-	-	-	692

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12256 - POWERWORKZ	-	-	-	3,398
12261 - C221-FIRE RISK MITIGATION-HENDRIX PILOT	-	-	-	-
12263 - C444-FIRE RISK MITIGATION PROJECT	-	-	-	-
12265 - C1215-FIRE RISK MITIGATION PROJECT	-	-	-	-
13247 - Strategic Fire Hardening Blanket (CPUC)	-	-	-	-
13255 - C441-POLE LOADING STUDY/FIRE RISK MIT.	-	-	-	-
13266 - Distribution Aerial Marking & Lighting Budget (Blanket)	-	-	-	-
13282 - CNF Blanket Budget	-	-	-	-
14247 - Fire Risk Mitigation (FiRM) - Phase 3	-	-	-	-
14249 - SF6 Switch Replacement	-	-	-	-
6247 - REPLACEMENT OF LIVE FRONT EQUIPMENT	783	812	1,464	887
9267 - EPSO REMOTE AUTO. WEATHER STATIONS	218	636	5	-
SMART METER PROGRAM	28,712	143,421	45,294	12,806
4250 - SMART METER PROJECT-ELECTRIC	28,712	143,421	45,294	12,806
TRANSMISSION/FERC DRIVEN PROJECTS	9,429	7,638	13,039	1,980
100 - ELEC TRANS LINE RELIABILITY PROJECTS	1,281	962	1,573	842
10128 - TL13826 WOOD TO STEEL POLE REPLACE	-	-	137	1
10130 - JAMACHA GETAWAYS WOOD TO STEEL PROJECT	-	-	83	-
10131 - TL633 WOOD TO STEEL REPLACEMENT	-	257	-	-
10134 - BORREGO SOLAR 1 INTERCONNECTION	-	-	7	53
10140 - RAMONA TRANSMISSION RELIABILITY PROJECT	-	-	1	356
10146 - TL695 TALEGA WOOD TO STEEL	-	-	-	-
10150 - TL13833 W2S	-	-	-	-
102 - ELEC TRANS LINE RELOCATION PROJECTS	33	176	40	2
11126 - TL663 Mission to Kearny Reconductor	-	-	-	-
11127 - TL670 Mission to Clairemont Reconductor	-	-	-	-
12154 - TL631 Reconductor Project	-	-	-	-
12156 - TL600 - Reliability Pole Replacements	-	-	-	-

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13130 - Loop-In TL674A into Del Mar and RFS TL666D	-	-	-	-
13143 - 695B Reconductor	-	-	-	-
3183 - TL678 LC-AL RECONDUCTOR	-	3,009	337	3
5153 - RECOND TL689: ESCONDIDO-FELICITA TAP	-	1,393	-	-
6130 - RECONDUCTOR EA-PQ AND ENERGIZE AT 230KV	3,624	10	20	-
7143 - ORANGE GROVE PP INTERCONNECTION PROJECTS	99	6	1,878	3
8149 - TL 627 MIGUEL-JAMACHA SW POLE REPLACE.	5	-	-	-
8150 - TL 643 MIGUEL-JAMACHA SW POLE REPLACE.	10	5	-	-
8152 - TL 634 ESCO-WC-POWAY SW POLE REPLACEMENT	222	-	(5)	-
8154 - TL 681 FELICITA-ASH-VC SW POLE REPLACE	151	-	-	-
8155 - TL 683 LILAC-RINCON SW POLE REPL & RECON	1,194	5	-	-
8156 - TL 635 LOS COCHES-CREELMAN SW POLE REPL	70	3	-	-
8161 - TL 6930/6945 ESC-OLIVENAIN SW POLE REPL	123	10	-	-
8164 - TL 626 DE-BC-ST SW POLE REPL	-	-	-	-
8165 - TL 629 DE-GC-CN SW POLE REPL	873	21	200	334
8166 - TL 625 DE-BAR SW POLE REPLACEMENTS	-	-	-	-
8167 - TL 6904 AL-LL SW POLE REPLACEMENTS	951	(1,066)	1	-
8265 - CAMP PEND SAN ONOFRE I-ELECTRIC	791	2,038	715	-
9125 - TL 637 CRE-ST SW POLE REPLACEMENTS	-	-	-	20
9128 - TL698-PA-MON SW POLE REPLACE.	-	-	2,395	-
9130 - TL 685 WARNERS-ST YSABEL SW POLE REPLACE	-	(29)	389	-
9131 - TL 6932 PALA-LILAC SW POLE REPLACE	-	127	89	-
9132 - TL 6926 RINCON-VLY CTR SW POLE REPLACE	2	17	117	-
9133 - TL 689 FELICITA-BERNARDO SW POLE REPLACE	-	2	(163)	-
9134 - TL6910-MIGUEL TO BORDER SW WOOD TO STEEL	-	-	117	-
9135 - TL616 RCHO ST FE-BERN-LAKE HODGES SW POL	-	-	1,079	(17)
9136 - TL6914	-	-	-	-
9137 - TL 649 OTAY-SAN YSIDRO-BRDR SW POLE REP	-	-	117	-

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9138 - TL6913 POWAY-POMERADO SW POLE REPLACE.	-	-	-	28
9139 - TL648 RCHO CARMEL TO POWAY SW POLE REPL	-	674	17	-
9148 - RECOND. TL667, PENASQUITOS-DEL MAR	-	-	55	18
9149 - RECOND TL680A, SAN LUIS REY-MELROSE TAP	-	-	2,402	136
9151 - RECOND. TL6927 EASTGATE-ROSE CANYON	-	18	1,438	3
9153 - TL676 Mission to Mesa Heights Reconductor	-	-	-	-
9160 - NEW TL 6956 (ES-ASH #2)	-	-	-	197
9166 - TL13821 & 28-FANITA JUNCTION ENHANCE	-	-	-	1
Grand Total		238,425	350,704	259,017
			259,017	230,753

Please see the provided file SDG&E OH Pools Forecast with Historical Exclusions.xlsx, which contains the calculations used to derive the electric distribution overhead pools forecasts for the Local Engineering (LE Distribution), Substation (LE Substation), Department Overhead (DOH) and Contract Administration (CA) pools and the requested historical exclusions from the basis. Please be aware that this workbook contains Excel pivot tables which reference information in other parts of the workbook. SDG&E offers its assistance to explain the function and use of these pivot tables if so desired.

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CAPACITY/EXPANSION	12,626	13,703	19,619	19,088
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10256 - C520, AV: RECONDUCTOR PHASE I	-	-	-	1,588
10264 - C1243,RMV:OL-RECOND ALONG ORTEGA HWY	-	-	-	-
10266 - C350, LI: Reconductor, Install Reg, RFS Cap	-	-	-	-
10272 - Middletown 4kV Sub RFS	-	-	-	-
11254 - BE: NEW 12KV CIRCUIT 1026	-	-	413	97
11257 - CAMP PENDLETON 12KV SERVICE	-	-	-	2,844
11263 - SAMPSON: INSTALL NEW 12KV CIRCUIT 369	-	-	-	136
11264 - STUART SUB-C1299 ALT. SVC. TO MCBCP HOSP	-	-	-	-
1241 - KEARNY-ADD 4TH BANK & 3 CKTS.	-	(4)	-	-
13244 - STREAMVIEW 69/12KV SUB REBUILD-PRE ENG	-	-	-	-
154 - RECOND. TL13802B, SHADOWRIDGE-CALAVERA	-	544	(26)	48
209 - FIELD SHUNT CAPACITORS	533	447	782	699
2245 - STATION B-EXTENSION OF CIRCUIT 108	560	(82)	-	-
2252 - MIRA SORRENTO 138/12KV SUB & C1442 T0 46	129	255	246	750
2258 - SALT CREEK LAND PURCH, NEW SUB & 3 CIR	-	-	6,590	585
2262 - SAMPSON-NEW 69/12KV SUBSTATION	-	1	-	-
3170 - SILVERGATE-NEW 230/69KV SUBSTATION	240	3	6	-
3262 - JAMUL LAND PURCHASE	-	31	-	-
4243 - CHOLLAS SUB REBUILD WITH 3RD BANK ADD	25	-	-	-
5247 - LILAC BANK REPLACE & 12KV C355	685	165	-	-

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5253 - OCEAN RANCH LAND PURCHASE	-	9	10	5,059
5254 - SAN MARCOS-INSTALL 4TH BANK	1,826	94	-	-
6131 - LOOP-IN TL13825 INTO SHADOWRIDGE	316	1,186	-	-
6137 - NAVAL STA. MTR.-ADD 12KV CAPACITOR BKS	(170)	-	-	-
6242 - PALA SUB-NEW CKT. 1234	-	4	289	-
6243 - ELLIOTT-INSTALL 3RD BANK & NEW C1266	161	2,612	1,017	-
6244 - C1224-TC: EXTEND C1224	(2)	-	-	-
6245 - C167, STREAMVIEW-OFFLOAD WA3, WA5 & WA6	471	2,058	3	-
6249 - C248 OL-NEW CKT. LOS COCHES SUB.	75	-	(3)	-
6252 - C1073: LAGUNA NIGUEL NEW CKT	(1)	-	-	-
6253 - C995: NEW PICO CKT TO OFFLOAD C993	23	-	-	-
6259 - C859-NEW CIRCUIT FROM SH SUB.	-	1	-	-
6263 - ASH SUB-NEW 12KV CKT. 1039	(72)	-	-	-
6266 - FELICITA SUB-NEW 12KV CKT. 788	24	-	-	-
6267 - SCRIPPS-NEW 12KV CKT. 729	217	(39)	-	-
7242 - TELEGRAPH CANYON-NEW 12KV CKT. 1225	331	2	-	-
7243 - PALOMAR AIRPORT SUB-NEW CKT. 589	644	-	-	-
7244 - MELROSE SUBSTATION-NEW 12KV CKT. 821	81	10	-	-
7245 - TELEGRAPH CANYON-4TH BANK & C1226	-	-	796	159
7246 - NEW 12KV CIRCUITS 1434 & 1435	5	-	-	-
7247 - PROCTOR VALLEY-NEW 12KV CKT. 1007	848	133	(3)	-
7249 - SAN YSIDRO-NEW 12KV CKT. 1202	140	199	103	415
7250 - ARTESIAN-EXTEND CKT. 1102	(41)	-	-	-
7251 - POMERADO-NEW 12KV CKT. 927	1	1	785	20
7252 - ARTESIAN SUB-ADD 2ND BANK & NEW C1104	1,501	9	1	-
7257 - NEW JAMUL SUB & 3 12KV CKTS	-	-	236	170
8245 - LOS COCHES-NEW 12KV CKT. 1281	-	97	-	-
8247 - LOS COCHES-NEW 12KV CKT. 1280	-	2,551	(15)	-

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8253 - SUBSTATION CAPACITOR BANK UPGRADES	772	1,925	3,678	3,580
90220 - PICO SUBSTATION AND CKTS 990, 991, 993	-	-	-	-
9171 - NARROWS SUBSTATION REBUILD	-	-	-	8
9242 - ARTESIAN SUB-NEW CKT. 1105	-	-	318	78
9271 - C1259, MAR: New 12kV Circuit	-	-	-	-
9274 - LOS COCHES-INSTALL NEW 12KV CKT. 1282	-	-	1	2
9276 - POSEIDON PROJ.-MODIFY CANNON SUB & 2 CKT	-	3	-	-
9279 - CABRILLO CIRCUIT 483-RELOCATION	-	-	624	390
93269 - FRIARS - NEW SUBSTATION AND 4-12KV CIRCU	-	-	-	(12)
97248 - DISTRIBUTION SYSTEM CAPACITY IMPROVEMENT	3,303	1,487	3,768	2,472
99115 - INSTALL TRANSM SUBSTA CAPACITORS	1	1	-	-
EQUIP/TOOLS/MISC	1,542	1,200	1,121	2,065
206 - ELECTRIC DISTRIBUTION TOOLS/EQUIPMENT	1,542	1,200	1,121	2,065
FRANCHISE	32	68	(2)	(2)
105 - ELECTRIC TRANS. STREET/HWY RELOCATIONS	32	68	(2)	(2)
9261 - GARRISON ST 20A	-	-	-	-
9262 - CANON ST 20A	-	-	-	-
9264 - K ST PHASE 2 20A	-	-	-	-
9272 - NATIONAL AV PHASE 1 20A	-	-	-	-
9273 - NATIONAL AV 20A PHASE 2	-	-	-	-
MANDATED	47	16	48	3,261
10127 - AERIAL LIGHTING & MARKING ON SWPL, TL629	-	13	-	-
11144 - ON-RAMP AERIAL LIGHTING	-	-	47	25
11261 - SEWAGE PUMP STATION REBUILDS	-	-	-	3,236
2263 - SPILL PREVENTION, CONTAINMENT & COUNTERM	-	-	-	-
8255 - CPP - DEFAULT	47	3	1	-
NEW BUSINESS	2,120	5,016	5,440	2,608
202 - ELECTRIC METERS & REGULATORS	2,096	5,016	5,440	2,608

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4241 - ELECTRIC DISTRIBUTION-FIRESTORM 2003	24	-	-	-
RELIABILITY/IMPROVEMENTS	22,537	16,369	19,899	17,346
10259 - MISSION SUB-REPLACE BK 30 & ADD BUS TIES	-	211	1,472	843
10262 - UPGRADE GENERATORS FOR MICROGRID PROJ	-	113	1,002	72
10267 - METER FARM EXPANSION	-	498	734	122
11125 - TL 6961 - SXBN	-	-	-	-
11251 - OPERATIONAL DATA STORE	-	-	5,953	10
11253 - WIRELESS FAULT INDICATORS	-	-	37	3,120
11255 - SAN DIEGO EIC SOLAR GROVE	-	-	535	79
11258 - ASAPNET,AREA SITUATIONAL AWARENESS	-	-	757	2,095
1145 - TRANSMISSION INFRASTRUCTURE IMPROVEMENTS	138	187	132	160
12125 - SUNNYSIDE 69/12KV REBUILD	-	-	-	368
12242 - DYNAMIC LINE RATINGS (DISTRIBUTION)	-	-	-	135
12246 - ADVANCED GROUND FAULT DETECTION	-	-	-	720
12250 - ARC DETECTION-DISTRIBUTION	-	-	-	474
12252 - MISSION PERIMETER SWALES	-	-	-	899
12253 - OCE COLORWAVE 600 SYSTEMS	-	-	-	177
12255 - ADVANCED DIST. MANAGEMENT SYSTEM	-	-	-	422
12266 - CONDITION BASED MAINTENANCE-SMART GRID	-	-	-	1,169
1269 - Rebuild Pt Loma Substation	-	-	-	-
13242 - Rebuild Kearny 69/12kV Substation	-	-	-	-
13243 - New Vine 69/12kV Substation	-	-	-	-
13249 - C426/C465: Balboa Park Reliability Upgrades	-	-	-	-
13253 - BALBOA PARK MICROGRI	-	-	-	-
13256 - DERMS/MICROGRID CONT	-	-	-	-
13257 - ADVANCED DIST MGMT SYS (ADMS) PHASE II	-	-	-	-
13258 - OPTIMIZATION OF PRICING & RESOURCE ALLOC	-	-	-	-
13261 - Super Computer Cluster	-	-	-	-

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14243 - Borrego Springs Microgrid Enhancements	-	-	-	-
203 - DISTRIBUTION SUBSTATION RELIABILITY	2,009	417	614	459
2246 - GRANT HILL-NEW 138/12KV SUB	(20)	14	7	2
3171 - TRANSMISSION SYSTEM AUTOMATION	454	111	164	266
4137 - DIVISION TO NAVAL STATION METERING	104	8	-	-
6129 - SOUTH ORANGE COUNTY REL ENHANCE (SOCRE)	18	2	-	-
6251 - OTAY SUBSTATION REBUILD	3,529	240	51	177
6254 - EMERGENCY TRANSFORMER & SWITCHGEAR	11	463	1,342	20
6260 - REMOVE 4KV SUBS. FROM SERVICE	1,391	650	59	50
8162 - SUBSTATION SECURITY INSTALLATIONS	8	110	474	510
8251 - MESA HEIGHTS-INSTALL 3RD BK & 3 NEW CKTS	2,938	2,607	351	-
8254 - CLAIREMONT SUBSTATION REBUILD	1,664	4,847	193	27
8261 - VISTA 4KV SUBSTATION RFS	12	-	-	-
8262 - BRADLEY 4KV SUB. RFS & CUTOVER	199	447	11	-
9168 - 69KV & 12KV CAPACITOR INSTALLATION	2	1,219	26	6
9246 - C1022,LI:REL IMPROVE. VIA UG, NEW 12KV C	504	65	-	-
9270 - GENERATOR PURCH & PRE-WIRE COST FOR CFSP	3,863	178	-	-
94241 - POWER QUALITY PROGRAM	29	70	32	129
99282 - REPLACE OBSOLETE SUBSTATION EQUIPMENT	5,684	3,912	5,953	4,835
SAFETY AND RISK MANAGEMENT	218	636	1,041	6,048
11243 - SANTA ANA WIND/FIRE WEATHER MONITOR/FORE	-	-	1,036	1,958
12249 - ADVANCED WEATHER STA. INTEGRATION & FORE	-	-	-	692
12256 - POWERWORKZ	-	-	-	3,398
13282 - CNF Blanket Budget	-	-	-	-
9267 - EPSO REMOTE AUTO. WEATHER STATIONS	218	636	5	-
SMART METER PROGRAM	28,712	143,421	45,294	12,806
4250 - SMART METER PROJECT-ELECTRIC	28,712	143,421	45,294	12,806
TRANSMISSION/FERC DRIVEN PROJECTS	7,756	17,842	18,053	8,075

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10125 - SWEETWATER SUBSTATION-REBUILD 69KV	-	163	1,537	259
10128 - TL13826 WOOD TO STEEL POLE REPLACE	-	-	137	1
10130 - JAMACHA GETAWAYS WOOD TO STEEL PROJECT	-	-	83	-
10131 - TL633 WOOD TO STEEL REPLACEMENT	-	257	-	-
10134 - BORREGO SOLAR 1 INTERCONNECTION	-	-	7	53
10135 - Los Coches Substation 138/69kV Rebuild	-	-	-	-
10140 - RAMONA TRANSMISSION RELIABILITY PROJECT	-	-	1	356
10146 - TL695 TALEGA WOOD TO STEEL	-	-	-	-
10150 - TL13833 W2S	-	-	-	-
102 - ELEC TRANS LINE RELOCATION PROJECTS	33	176	40	2
103 - TRANSMISSION SUBSTATION RELIABILITY	216	(4)	-	83
11126 - TL663 Mission to Kearny Reconductor	-	-	-	-
11127 - TL670 Mission to Clairemont Reconductor	-	-	-	-
12154 - TL631 Reconductor Project	-	-	-	-
12156 - TL600 - Reliability Pole Replacements	-	-	-	-
13130 - Loop-In TL674A into Del Mar and RFS TL666D	-	-	-	-
13143 - 695B Reconductor	-	-	-	-
4138 - SUNRISE POWERLINK	825	7,763	4,530	(3,507)
5153 - RECOND TL689: ESCONDIDO-FELICITA TAP	-	1,393	-	-
5244 - RANCHO MISSION VIEJO LAND PURCHASE	753	5,122	1,716	71
5255 - STATION C - REMOVE FROM SERVICE	118	1	3	4
6130 - RECONDUCTOR EA-PQ AND ENERGIZE AT 230KV	3,624	10	20	-
6132 - RELOCATE SOUTH BAY SUBSTATION	-	-	12	-
7139 - ECO SUBSTATION	-	-	11	7,550
7142 - Salt Creek Substation	-	-	-	-
7144 - FIBER OPTIC FOR RELAY PROTECT & TELECOM	854	2,125	1,546	2,483
8149 - TL 627 MIGUEL-JAMACHA SW POLE REPLACE.	5	-	-	-
8150 - TL 643 MIGUEL-JAMACHA SW POLE REPLACE.	10	5	-	-

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8152 - TL 634 ESCO-WC-POWAY SW POLE REPLACEMENT	222	-	(5)	-
8154 - TL 681 FELICITA-ASH-VC SW POLE REPLACE	151	-	-	-
8156 - TL 635 LOS COCHES-CREELMAN SW POLE REPL	70	3	-	-
8164 - TL 626 DE-BC-ST SW POLE REPL	-	-	-	-
8165 - TL 629 DE-GC-CN SW POLE REPL	873	21	200	334
8166 - TL 625 DE-BAR SW POLE REPLACEMENTS	-	-	-	-
9125 - TL 637 CRE-ST SW POLE REPLACEMENTS	-	-	-	20
9128 - TL698-PA-MON SW POLE REPLACE.	-	-	2,395	-
9130 - TL 685 WARNERS-ST YSABEL SW POLE REPLACE	-	(29)	389	-
9131 - TL 6932 PALA-LILAC SW POLE REPLACE	-	127	89	-
9132 - TL 6926 RINCON-VLY CTR SW POLE REPLACE	2	17	117	-
9134 - TL6910-MIGUEL TO BORDER SW WOOD TO STEEL	-	-	117	-
9135 - TL616 RCHO ST FE-BERN-LAKE HODGES SW POL	-	-	1,079	(17)
9136 - TL6914	-	-	-	-
9137 - TL 649 OTAY-SAN YSIDRO-BRDR SW POLE REP	-	-	117	-
9138 - TL6913 POWAY-POMERADO SW POLE REPLACE.	-	-	-	28
9139 - TL648 RCHO CARMEL TO POWAY SW POLE REPL	-	674	17	-
9148 - RECOND. TL667, PENASQUITOS-DEL MAR	-	-	55	18
9149 - RECOND TL680A, SAN LUIS REY-MELROSE TAP	-	-	2,402	136
9151 - RECOND. TL6927 EASTGATE-ROSE CANYON	-	18	1,438	3
9153 - TL676 Mission to Mesa Heights Reconductor	-	-	-	-
9160 - NEW TL 6956 (ES-ASH #2)	-	-	-	197
9166 - TL13821 & 28-FANITA JUNCTION ENHANCE	-	-	-	1
Grand Total	75,590	198,271	110,513	71,295

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Please see the provided file SDG&E OH Pools Forecast with Historical Exclusions.xlsx, which contains the calculations used to derive the electric distribution overhead pools forecasts for the Local Engineering (LE Distribution), Substation (LE Substation), Department Overhead (DOH) and Contract Administration (CA) pools and the requested historical exclusions from the basis. Please be aware that this workbook contains Excel pivot tables which reference information in other parts of the workbook. SDG&E offers its assistance to explain the function and use of these pivot tables if so desired.

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4. Workpaper p.513, Contract Administration Pool, Step 1b, shows a table that lists the costs by Category/Budget Code which are excluded from the basis of the 2014-2016 forecasts. Provide a table and excel spreadsheet for the years 2009-2012 which shows the excluded costs for this pool's forecast if the same principles were applied for exclusion as SDG&E used in the forecast period.

SDG&E Response:

Category/Budget Code	2009 \$	2010 \$	2011 \$	2012 \$
CAPACITY/EXPANSION	6,368	2,469	11,967	11,050
10272 - Middletown 4kV Sub RFS	-	-	-	-
1241 - KEARNY-ADD 4TH BANK & 3 CKTS.	-	(4)	-	-
13244 - STREAMVIEW 69/12KV SUB REBUILD-PRE ENG	-	-	-	-
2252 - MIRA SORRENTO 138/12KV SUB & C1442 T0 46	129	255	246	750
2258 - SALT CREEK LAND PURCH, NEW SUB & 3 CIR	-	-	6,590	585
2262 - SAMPSON-NEW 69/12KV SUBSTATION	-	1	-	-
3170 - SILVERGATE-NEW 230/69KV SUBSTATION	240	3	6	-
3262 - JAMUL LAND PURCHASE	-	31	-	-
4243 - CHOLLAS SUB REBUILD WITH 3RD BANK ADD	25	-	-	-
5247 - LILAC BANK REPLACE & 12KV C355	685	165	-	-
5253 - OCEAN RANCH LAND PURCHASE	-	9	10	5,059
5254 - SAN MARCOS-INSTALL 4TH BANK	1,826	94	-	-
6137 - NAVAL STA. MTR.-ADD 12KV CAPACITOR BKS	(170)	-	-	-
6244 - C1224-TC: EXTEND C1224	(2)	-	-	-
6249 - C248 OL-NEW CKT. LOS COCHES SUB.	75	-	(3)	-
6252 - C1073: LAGUNA NIGUEL NEW CKT	(1)	-	-	-
6253 - C995: NEW PICO CKT TO OFFLOAD C993	23	-	-	-
6267 - SCRIPPS-NEW 12KV CKT. 729	217	(39)	-	-
6268 - C1138:NEW SN CKT TO OFFLOAD C396	944	(7)	(5)	-
7244 - MELROSE SUBSTATION-NEW 12KV CKT. 821	81	10	-	-
7245 - TELEGRAPH CANYON-4TH BANK & C1226	-	-	796	159

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7252 - ARTESIAN SUB-ADD 2ND BANK & NEW C1104	1,501	9	1	-
7253 - BORDER-INSTALL NEW 12KV CKT. 1161	22	13	93	175
7257 - NEW JAMUL SUB & 3 12KV CKTS	-	-	236	170
8253 - SUBSTATION CAPACITOR BANK UPGRADES	772	1,925	3,678	3,580
8257 - C1079, OS: NEW 12KV CKT TO PENDLETON HOS	-	-	-	496
90220 - PICO SUBSTATION AND CKTS 990, 991, 993	-	-	-	-
9171 - NARROWS SUBSTATION REBUILD	-	-	-	8
9242 - ARTESIAN SUB-NEW CKT. 1105	-	-	318	78
9274 - LOS COCHES-INSTALL NEW 12KV CKT. 1282	-	-	1	2
9276 - POSEIDON PROJ.-MODIFY CANNON SUB & 2 CKT	-	3	-	-
93269 - FRIARS - NEW SUBSTATION AND 4-12KV CIRCU	-	-	-	(12)
99115 - INSTALL TRANSM SUBSTA CAPACITORS	1	1	-	-
EQUIP/TOOLS/MISC	1,542	1,200	1,121	2,065
206 - ELECTRIC DISTRIBUTION TOOLS/EQUIPMENT	1,542	1,200	1,121	2,065
FRANCHISE	32	68	(2)	(2)
105 - ELECTRIC TRANS. STREET/HWY RELOCATIONS	32	68	(2)	(2)
9251 - MESA COLLEGE DR 20SD	-	-	-	-
9265 - BRIARWOOD RD 20A	-	-	-	-
9266 - WAITE DR 20A	-	-	-	-
MANDATED	208	148	985	3,581
10127 - AERIAL LIGHTING & MARKING ON SWPL, TL629	-	13	-	-
10269 - EDM GO RULE 18 FIRE HAZ PREVENTION-IT	-	62	681	289
11144 - ON-RAMP AERIAL LIGHTING	-	-	47	25
11261 - SEWAGE PUMP STATION REBUILDS	-	-	-	3,236
1295 - LOAD RESEARCH/DLP ELEC. METERING PROJECT	161	70	256	31
2263 - SPILL PREVENTION, CONTAINMENT & COUNTERM	-	-	-	-
8255 - CPP - DEFAULT	47	3	1	-
MATERIALS	22,674	21,661	17,775	18,195

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214 - TRANSFORMERS	22,674	21,661	17,775	18,195
NEW BUSINESS	9,478	15,932	15,106	8,418
202 - ELECTRIC METERS & REGULATORS	2,096	5,016	5,440	2,608
204 - ELECTRIC DISTRIBUTION EASEMENTS	1,347	3,559	1,728	1,341
2264 - SUSTAINABLE COMMUNITY ENERGY SYSTEMS	6,011	7,357	7,938	4,469
4241 - ELECTRIC DISTRIBUTION-FIRESTORM 2003	24	-	-	-
RELIABILITY/IMPROVEMENTS	12,848	9,372	23,394	31,623
10259 - MISSION SUB-REPLACE BK 30 & ADD BUS TIES	-	211	1,472	843
10261 - SMART GRID PORTFOLIO	-	-	-	-
10262 - UPGRADE GENERATORS FOR MICROGRID PROJ	-	113	1,002	72
10267 - METER FARM EXPANSION	-	498	734	122
10271 - WIRELESS-COMM. NETWORK FOR T&D SENSORS	-	215	1,906	2,523
10274 - DYNAMIC VOLTAGE CONTROL	-	-	332	764
11246 - SMART TRANSFORMERS	-	-	33	394
11247 - ADVANCED ENERGY STORAGE	-	-	684	10,102
11251 - OPERATIONAL DATA STORE	-	-	5,953	10
11255 - SAN DIEGO EIC SOLAR GROVE	-	-	535	79
11258 - ASAPNET,AREA SITUATIONAL AWARENESS	-	-	757	2,095
1145 - TRANSMISSION INFRASTRUCTURE IMPROVEMENTS	138	187	132	160
12242 - DYNAMIC LINE RATINGS (DISTRIBUTION)	-	-	-	135
12243 - PHASOR MEASUREMENT UNITS (DISTRIBUTION)	-	-	-	903
12244 - INTEGRATED TEST FACILITY	-	-	-	1,215
12246 - ADVANCED GROUND FAULT DETECTION	-	-	-	720
12250 - ARC DETECTION-DISTRIBUTION	-	-	-	474
12252 - MISSION PERIMETER SWALES	-	-	-	899
12253 - OCE COLORWAVE 600 SYSTEMS	-	-	-	177
12255 - ADVANCED DIST. MANAGEMENT SYSTEM	-	-	-	422
12266 - CONDITION BASED MAINTENANCE-SMART GRID	-	-	-	1,169

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1269 - Rebuild Pt Loma Substation	-	-	-	-
13242 - Rebuild Kearny 69/12kV Substation	-	-	-	-
13243 - New Vine 69/12kV Substation	-	-	-	-
13245 - SANTA YSABEL MICROGR	-	-	-	-
13249 - C426/C465: Balboa Park Reliability Upgrades	-	-	-	-
13253 - BALBOA PARK MICROGRI	-	-	-	-
13254 - SMART COMMUNITY CIVI	-	-	-	-
13256 - DERMS/MICROGRID CONT	-	-	-	-
13257 - ADVANCED DIST MGMT SYS (ADMS) PHASE II	-	-	-	-
13258 - OPTIMIZATION OF PRICING & RESOURCE ALLOC	-	-	-	-
13261 - Super Computer Cluster	-	-	-	-
14243 - Borrego Springs Microgrid Enhancements	-	-	-	-
203 - DISTRIBUTION SUBSTATION RELIABILITY	2,009	417	614	459
2246 - GRANT HILL-NEW 138/12KV SUB	(20)	14	7	2
3171 - TRANSMISSION SYSTEM AUTOMATION	454	111	164	266
4137 - DIVISION TO NAVAL STATION METERING	104	8	-	-
6129 - SOUTH ORANGE COUNTY REL ENHANCE (SOCRE)	18	2	-	-
6251 - OTAY SUBSTATION REBUILD	3,529	240	51	177
6254 - EMERGENCY TRANSFORMER & SWITCHGEAR	11	463	1,342	20
8162 - SUBSTATION SECURITY INSTALLATIONS	8	110	474	510
8261 - VISTA 4KV SUBSTATION RFS	12	-	-	-
8262 - BRADLEY 4KV SUB. RFS & CUTOVER	199	447	11	-
9168 - 69KV & 12KV CAPACITOR INSTALLATION	2	1,219	26	6
9275 - CEC MICROGRID	-	229	715	1,851
94241 - POWER QUALITY PROGRAM	29	70	32	129
94245 - DIST. AUTOMATION & CONTROL SYS. SECURITY	671	906	465	90
99282 - REPLACE OBSOLETE SUBSTATION EQUIPMENT	5,684	3,912	5,953	4,835
SAFETY AND RISK MANAGEMENT	218	636	1,041	6,048

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Response to Question 4 (Continued)

11243 - SANTA ANA WIND/FIRE WEATHER MONITOR/FORE	-	-	1,036	1,958
12249 - ADVANCED WEATHER STA. INTEGRATION & FORE	-	-	-	692
12256 - POWERWORKZ	-	-	-	3,398
9267 - EPSO REMOTE AUTO. WEATHER STATIONS	218	636	5	-
SMART METER PROGRAM	28,712	143,421	45,294	12,806
4250 - SMART METER PROJECT-ELECTRIC	28,712	143,421	45,294	12,806
TRANSMISSION/FERC DRIVEN PROJECTS	7,783	15,084	8,059	4,626
10130 - JAMACHA GETAWAYS WOOD TO STEEL PROJECT	-	-	83	-
10134 - BORREGO SOLAR 1 INTERCONNECTION	-	-	7	53
10135 - Los Coches Substation 138/69kV Rebuild	-	-	-	-
10150 - TL13833 W2S	-	-	-	-
103 - TRANSMISSION SUBSTATION RELIABILITY	216	(4)	-	83
4138 - SUNRISE POWERLINK	825	7,763	4,530	(3,507)
5244 - RANCHO MISSION VIEJO LAND PURCHASE	753	5,122	1,716	71
5255 - STATION C - REMOVE FROM SERVICE	118	1	3	4
6130 - RECONDUCTOR EA-PQ AND ENERGIZE AT 230KV	3,624	10	20	-
6132 - RELOCATE SOUTH BAY SUBSTATION	-	-	12	-
7139 - ECO SUBSTATION	-	-	11	7,550
7142 - Salt Creek Substation	-	-	-	-
8149 - TL 627 MIGUEL-JAMACHA SW POLE REPLACE.	5	-	-	-
8150 - TL 643 MIGUEL-JAMACHA SW POLE REPLACE.	10	5	-	-
8152 - TL 634 ESCO-WC-POWAY SW POLE REPLACEMENT	222	-	(5)	-
8154 - TL 681 FELICITA-ASH-VC SW POLE REPLACE	151	-	-	-
8156 - TL 635 LOS COCHES-CREELMAN SW POLE REPL	70	3	-	-
8161 - TL 6930/6945 ESC-OLIVENAIN SW POLE REPL	123	10	-	-
8164 - TL 626 DE-BC-ST SW POLE REPL	-	-	-	-
8165 - TL 629 DE-GC-CN SW POLE REPL	873	21	200	334
8166 - TL 625 DE-BAR SW POLE REPLACEMENTS	-	-	-	-

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8265 - CAMP PEND SAN ONOFRE I-ELECTRIC	791	2,038	715	-
9125 - TL 637 CRE-ST SW POLE REPLACEMENTS	-	-	-	20
9130 - TL 685 WARNERS-ST YSABEL SW POLE REPLACE	-	(29)	389	-
9131 - TL 6932 PALA-LILAC SW POLE REPLACE	-	127	89	-
9132 - TL 6926 RINCON-VLY CTR SW POLE REPLACE	2	17	117	-
9134 - TL6910-MIGUEL TO BORDER SW WOOD TO STEEL	-	-	117	-
9148 - RECOND. TL667, PENASQUITOS-DEL MAR	-	-	55	18
Grand Total	89,863	209,991	124,740	98,410

Please see the provided file SDG&E OH Pools Forecast with Historical Exclusions.xlsx, which contains the calculations used to derive the electric distribution overhead pools forecasts for the Local Engineering (LE Distribution), Substation (LE Substation), Department Overhead (DOH) and Contract Administration (CA) pools and the requested historical exclusions from the basis. Please be aware that this workbook contains Excel pivot tables which reference information in other parts of the workbook. SDG&E offers its assistance to explain the function and use of these pivot tables if so desired.