

APPENDIX B: 2011/2012 Request Window Projects

Table B-1: 2011 Request Window Submittals

No	Project Name	Submitted By	Service Area	Type of Submission	In-Service Date	Cost	Is the Project Found to be Needed?	Reference to ISO 2011/2012 Transmission Plan
1	Almaden 60 kV Shunt Capacitor	PG&E	Greater Bay Area	Reliability	May-15	\$5M - \$10M	No	Chapter 2 - PG&E
2	Ames - Palo Alto 115 kV Line Project (Resubmission)	PG&E	Greater Bay Area	Reliability	May-15	\$10 - \$20M	further evaluation needed	Chapter 2 - PG&E
3	Borden 230 kV Voltage Support	PG&E	San Joaquin Valley	Reliability	2019	\$15M - \$20M	Yes	Chapter 2 - PG&E
4	Cressey - North Merced 115 kV Line Addition	PG&E	San Joaquin Valley	Reliability	2016	\$7M - \$10M	Yes	Chapter 2 - PG&E
5	East Shore-Oakland J 115 kV Reconductoring Project & Pittsburg-San Mateo 230 kV Looping Project	PG&E	Greater Bay Area	Reliability	May-15	\$15M - \$30M	Yes	Chapter 2 - PG&E
6	Embarcadero-Potrero 230 kV Transmission Project	PG&E	Greater Bay Area	Reliability	Dec-15	\$130M - 150M	Yes	Chapter 2 - PG&E
7	Geysler #3 - Cloverdale 115 kV Line Switch Upgrades	PG&E	North Bay/North Coast	Reliability	May-16	\$1M - \$3M	Yes	Chapter 2 - PG&E
8	Helm-Kerman 70 kV Line Reconductor	PG&E	San Joaquin Valley	Reliability	2016	\$2M - \$4M	Yes	Chapter 2 - PG&E
9	Humboldt - Eureka 60 kV Line Capacity Increase	PG&E	Humboldt	Reliability	May 2015 or sooner	\$1M - \$3M	Yes	Chapter 2 - PG&E
10	Ignacio - Alto 60 kV Line Voltage Conversion	PG&E	North Bay/North Coast	Reliability	May-17	\$35M - \$45M	Yes	Chapter 2 - PG&E

No	Project Name	Submitted By	Service Area	Type of Submission	In-Service Date	Cost	Is the Project Found to be Needed?	Reference to ISO 2011/2012 Transmission Plan
11	Kern PP 115 kV Area Reinforcement	PG&E	San Joaquin Valley	Reliability	May-16	\$40-65M	Yes	Chapter 2 - PG&E
12	Kern PP 230 kV Area Reinforcement	PG&E	San Joaquin Valley	Reliability	2016	\$40M - \$60M	Yes	Chapter 2 - PG&E
13	Midway - Gregg - 500 kV Line	PG&E	SF Bay Area and Southern California	Reliability	Dec-19	Not provided	further evaluation needed	Chapter 2 – PG&E any other chapters?
14	Morro Bay - Mesa 230 kV Line Project	PG&E	Los Padres	Reliability	May-18	\$70 - \$85	No	Chapter 2 - PG&E
15	Napa - Tulucay No. 1 60 kV Line Upgrades	PG&E	North Bay/North Coast	Reliability	May-14	\$6M - \$10M	Yes	Chapter 2 - PG&E
16	New Bridgeville - Garberville No.2 115 kV Line	PG&E	Humboldt	Reliability	2018	\$55M - \$65M	Yes	Chapter 2 - PG&E
17	New Drum - Placer 115 kV Line	PG&E	Central Valley	Reliability	May-17	\$90M - \$110M	No	Chapter 2 - PG&E
18	North Tower 115 kV Looping Project	PG&E	Greater Bay Area	Reliability	May-15	\$5M - \$10M	Yes	Chapter 2 - PG&E
19	Northern Fresno 115 kV Area Reinforcement	PG&E	San Joaquin Valley	Reliability	2018	\$125M- \$200M	No	Chapter 2 - PG&E
20	Oakhurst/Coarsegold UVLS	PG&E	San Joaquin Valley	Reliability	2016	\$2M - \$5M	Yes	Chapter 2 - PG&E
21	Oxy 115 kV Kern Front - Load Interconnection	PG&E	San Joaquin Valley	Reliability	Dec-11	N/A	N/A	Chapter 2 - PG&E

No	Project Name	Submitted By	Service Area	Type of Submission	In-Service Date	Cost	Is the Project Found to be Needed?	Reference to ISO 2011/2012 Transmission Plan
22	Panoche - Gates #1 and #2 230 kV Line Reconductor	PG&E	San Joaquin Valley	Reliability	2018	\$75M - \$100M	No	Chapter 2 - PG&E
23	Panoche - Oro Loma 115 kV Line Addition	PG&E	San Joaquin Valley	Reliability	2016	\$15M - \$30M	No	Chapter 2 - PG&E
24	Reedley 70 kV Reinforcement	PG&E	San Joaquin Valley	Reliability	2017	\$7M - \$10M	Yes	Chapter 2 - PG&E
25	Rio Dell Jct - Bridgeville 60 kV Line Reconductoring	PG&E	Humboldt	Reliability	May-16	\$17M - \$25M	No	Chapter 2 - PG&E
26	Rio Oso Area 230 kV Voltage Support	PG&E	Central Valley	Reliability	May-16	\$35M - \$45M	Yes	Chapter 2 - PG&E
27	Semitropic - Midway 115 kV Line Reconductor	PG&E	San Joaquin Valley	Reliability	2016	\$15 - \$20M	Yes	Chapter 2 - PG&E
28	Sobrante - "R" No. 1 115 kV Reconductor and Loop Project	PG&E	Greater Bay Area	Reliability	May-17	\$10M - \$15M	No	Chapter 2 - PG&E
29	Stone 115 kV Back-tie Reconductor	PG&E	Greater Bay Area	Reliability	May-15	\$3M - \$6M	No	Chapter 2 - PG&E
30	Taft 115/70 kV Transformer #2 Replacement	PG&E	San Joaquin Valley	Reliability	2016	\$10M - \$15M	Yes	Chapter 2 - PG&E
31	Texaco BV Hills 115 kV - Load Interconnection	PG&E	San Joaquin Valley	Reliability	Dec-11	N/A	N/A	Chapter 2 - PG&E
32	Tulucay 230/60 kV Transformer No. 1 Capacity Increase	PG&E	North Bay/North Coast	Reliability	May-14	\$3M - \$5M	Yes	Chapter 2 - PG&E

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33	West Coast Recycling - Load Interconnection	PG&E	Central Valley	Reliability	Oct-12	N/A	N/A	Chapter 2 – PG&E
34	Wheeler Ridge Voltage Support	PG&E	San Joaquin Valley	Reliability	2016	\$25 - \$40M	Yes	Chapter 2 - PG&E
35	Del Amo - Ellis Loop In	SCE	LA Basin	Reliability	2013	\$5-15M	Yes	Chapter 2 - SCE
36	Mesa & Antelope Breaker Upgrades	SCE	LA Basin & South of Magunden Areas	Reliability	Mesa 2012 & Antelope 2013	\$3-5M	Yes	Chapter 2 - SCE
37	Tortilla 115 kV Shunt Capacitors	SCE	North of Lugo	Reliability	Summer 2013	\$2-5M	Yes	Chapter 2 - SCE
38	Expand Los Coches Substation to 230 kV	SDG&E	SDG&E	Reliability	2015	\$98-123M	further evaluation needed	Chapter 2 - SDG&E
39	Imperial Valley Flow Control Device	SDG&E	SDG&E	Reliability	Jun-16	Not provided	Further evaluation needed	Chapter 2 - SDG&E
40	Imperial Valley Solar Collector Transmission Project	SDG&E	SDG&E	LCRIF	Dec-12	\$20-40M	further evaluation needed	Chapter 6.1.2
41	Install Synchronous Condensers at Mission 230kV Substation	SDG&E	SDG&E	Reliability	2017	\$66-83M	No	Chapter 2 - SDG&E
42	Install Synchronous Condensers at Penasquitos 230kV Substation	SDG&E	SDG&E	Reliability	2014	\$61-76M	No	Chapter 2 - SDG&E
43	Install Synchronous Condensers at Sycamore 230kV Substation	SDG&E	SDG&E	Reliability	2014	\$60-75M	No	Chapter 2 - SDG&E

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44	Install Synchronous Condensers at Talega 230kV Substation	SDG&E	SDG&E	Reliability	2020	\$68-85M	No	Chapter 2 - SDG&E
45	New TL69XX San Luis Rey - Monserate 69kV Line	SDG&E	SDG&E	Reliability	2015	\$31-39M	No	Chapter 2 - SDG&E
46	Reconductor TL631, El Cajon - Los Coches	SDG&E	SDG&E	Reliability	2013	\$17-22M	Yes	Chapter 2 - SDG&E
47	Reconductor TL649A, Otay - Otay Lake Tap	SDG&E	SDG&E	Reliability	2018	\$6-7M	further evaluation needed	Chapter 2 - SDG&E
48	Replace Talega 138/69 kV Bank 50	SDG&E	SDG&E	Reliability	2015	\$5-6M	Yes	Chapter 2 - SDG&E
49	TL13820, Sycamore - Chicarita Reconductor	SDG&E	SDG&E	Reliability	2021	\$1M	No	Chapter 2 - SDG&E
50	TL633, Bernardo - Rancho Carmel 69kV:Reconductor	SDG&E	SDG&E	Reliability	2015	\$11-13M	Yes	Chapter 2 - SDG&E
51	TL642B, Sweetwater - Montgomery Tap - Terminal Equipment	SDG&E	SDG&E	Reliability	2021	\$0	Yes	Chapter 2 - SDG&E
52	TL662, Penasquitos - Torrey Pines	SDG&E	SDG&E	Reliability	2021	\$3-4M	further evaluation needed	Chapter 2 - SDG&E
53	TL680B - Melrose - Melrose Tap: Reconductor	SDG&E	SDG&E	Reliability	2013	\$8-10M	No	Chapter 2 - SDG&E
54	TL690C, Oceanside Tap - Stuart Tap Reconductor	SDG&E	SDG&E	Reliability	2021	\$6-8M	further evaluation needed	Chapter 2 - SDG&E
55	TL6912, Pendleton - San Luis Rey Reconductor	SDG&E	SDG&E	Reliability	2015	\$11-13M	No	Chapter 2 - SDG&E

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56	TL6942, New Line From Sycamore Canyon - Miramar	SDG&E	SDG&E	Reliability	2015	\$20-24M	further evaluation needed	Chapter 2 - SDG&E
57	TL694A Morro Hill Tap - Melorse Reconductor	SDG&E	SDG&E	Reliability	2021	\$8-10M	No	Chapter 2 - SDG&E
58	TL695B, Talega Tap - Japanese Mesa Reconductor	SDG&E	SDG&E	Reliability	2016	\$12-15M	Yes	Chapter 2 - SDG&E
59	TL69XX, Melrose - Monserate	SDG&E	SDG&E	Reliability	2012	\$39-48M	No	Chapter 2 - SDG&E
60	PG&E's Caribou - Westwood 60kV line (in support of PG&E's project submitted in 2010 RW)	LMUD	Central Valley	Reliability	2010 RW submission: December 2011	\$11-12M	N/A	Chapter 2 - PG&E
61	Julian Hinds-Mirage 220 KV	LS Power	SCE - Eastern Area	Reliability	2014	\$114M	No	Chapter 2 - SCE