

2023 Annual Progress Report Summary

Studies Subcommittee

March 10, 2023

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# Entities with no updates

Member Systems previously reporting significant facilities in the *WECC Transmission Database* from which, as of March 9, 2023, no report has been received:

**Project Name** **Last Reported**

1. AESO 2021
2. APS 2021
3. DCPUD 2017
4. SPower 2019

Member Systems previously reporting and indicating that that have no significant facilities in the *WECC Transmission Database* from which, as of March 9, 2023, no report or update has been received:

**Project Name** **Last Reported**

1. DGT 2021
2. EWEB 2019

## 2023 List of Projects Granted a Waiver of “Significant Impact” Status

**Project Name** **Organization**

1. Schultz – Raver 500 kV Series Capacitors BPA
2. Pearl – Sherwood 230 kV Corridor Reconfiguration BPA
3. Jumpoff Ridge CHPD
4. Caliente 345/115 kV Autotransformer #3 EPE
5. West Mesa Line Shunt Reactor (100MVAR) Replacement EPE
6. Arroyo Variable Line Shunt Reactor (50-100 MVAR) Replacement EPE
7. Airport Projects EPE
8. Second Vado 345/115 kV Autotransformer EPE
9. New Eddy HVDC Tie Replacement EPE
10. Renewable Generation Standalone Solar 2030 Generation EPE
11. Renewable Generation Standalone Battery Storage 2030 Generation EPE
12. Renewable Generation Standalone Solar 2032 Generation EPE
13. Renewable Generation Standalone Battery Storage 2032 Generation EPE
14. GLW 230 kV Upgrades GLW
15. Chip Substation Project IPC
16. Pleasant Valley Solar Project and Substation IPC
17. Intermountain – Gonder 230/345 kV Bank M replacement LADWP
18. New Valley – Rinaldi Line 3 and upgrade Lines 1 and 2 LADWP
19. New Toluca – Atwater Line 2 and Upgrade Line 1 LADWP
20. Upgrade Rinaldi – Airway Lines 1 and 2 LADWP
21. Rimrock Substation Upgrade NWE
22. Redwood Expansion (Project Sutro) NVE
23. West Tracy – Comstock Meadows 345 kV line NVE
24. Sockyard 120 kV Substation NVE
25. Peavine 120 kV Substation NVE
26. Audette 230 kV Switchyard (Switch Phase 1 & 2) NVE
27. Reid Gardner BESS NVE
28. Reid Gardner – Tortoise 230 kV line #2 NVE
29. Aeolus – Freezeout #2 230 kV PAC
30. Clearwater Wind Generation Project PGE
31. Pearl/Sherwood Reinforcement Project PGE
32. Reconductor Horizon - Keeler #1 230 kV PGE

**Project Name** **Organization**

1. Reconductor Murrayhill - St Mary #1 and #2 230 kV PGE
2. Sherwood - St Mary 230 kV line PGE
3. Quail Ranch 345 kV Station PNM
4. Orme – Rudd 230 kV lines #1 and #2 Upgrade SRP
5. Anderson – Kyrene 230 kV #2 SRP
6. Crosspoint 230 kV Substation TSGT

## 2022 List of Projects Granted a Waiver of “Significant Impact” Status

**Project Name** **Organization**

1. Turkey Creek Solar Project BHC
2. Northern Mid-Columbia Area Project BPA
3. South Tri-Cities Reinforcement BPA
4. In and out into Picante 345 kV sub from Caliente-Armrad 345 kV Line and Associated Line Reactor at picante EPE
5. Afton North Projects EPE
6. New Amrad SVC/Statcom (replacement for existing SVC) EPC
7. In-and-Out into Vado 345 KV sub from Afton North-Newman 345 kV line EPE
8. Vado Projects EPE
9. Newman 6 GT5 EPE
10. Newman 8 EPE
11. New Trout Canyon 230 kV Switching Station GLW
12. New Sloan Canyon 230 kV RAS GLW
13. New Innovation 230 kV RAS GLW
14. Cole Substation Project IPC
15. Jackpot Solar Interconnection Project IPC
16. IPP AC Switchyard Extension LADWP
17. Adelanto AC Switchyard Extension LADWP
18. Replacement Converter Station at IPP and Adelanto LADWP
19. Mead Bank M Replacement LADWP
20. Barren Ridge Re-Expansion LADWP
21. Loop Scattergood-Olympic Cable A into new Pershing Station LADWP
22. Upgrade RS-K Bus 1 and 2 LADWP
23. Upgrade Scattergood Auto and Phase Shifting Transformer LADWP
24. Rimrock Substation Upgrade NWE
25. South Butte 230/161 kV bank Replacement NWE
26. Shaffer Substation NVE
27. Iron Point – 250 MW PV and Battery Interconnection NVE
28. Hot Pot Solar – 350 MW PV and Battery Interconnection NVE
29. Dry Lake Solar – 150 MW NVE
30. Aeolus – Freezeout #2 230 kV line PACE

**Project Name** **Organization**

1. Contra Costa PP 230 kV line Terminals Reconfiguration PG&E
2. Vasona – Metcalf 230 kV line limiting Elements Removal PG&E
3. Atlantic 230/60 kV transformer voltage regulator PG&E
4. Cortina Bank #1 230/115/60 kV Transformer Bank Replacement PG&E
5. Metcalf 230 kV Substation Circuit Breaker #No 292 Upgrade PG&E
6. Cooley Landing Substation Circuit Breaker No 62 Upgrade PG&E
7. Table Mountain Second 500/230 kV Transformer PG&E
8. Reconductor Delevan – Cortina 230 kV line PG&E
9. Moss Landing – Las Aguilas 230 KV line Series Reactor PG&E
10. Fountain Wind PG&E
11. Westland Solar Blue PG&E
12. Luna Valley PG&E
13. Daylight PG&E
14. Pluot PG&E
15. Pomergranate PG&E
16. Corby PG&E
17. Sonrisa PG&E
18. Key Storage 1 PG&E
19. Irving Storage PG&E
20. Plano Storage PG&E
21. Tanager Storage PG&E
22. Cormorant Storage PG&E
23. Button Bush Hybrid Solar Energy and Storage PG&E
24. Sherwood 230 kV Breaker Replacement PGE
25. Colorado’s Power Pathway PSCo
26. Sacramento Valley Energy Center Generation Project SMUD
27. Coolidge Expansion Project SRP
28. High-Tech Interconnect Project SRP
29. Project huckleberry SRP
30. Burlington – Lamar 230 kV line TSGT
31. Boone – Huckleberry 230 kV line TSGT
32. Badger Creek – Big Sandy 230 kV line TSGT

**Project Name** **Organization**

1. Big Sandy – Burlington 230 kV Uprate TSGT

## 2022 List of Projects Denied a Waiver of “Significant Impact” Status

**Project Name** **Organization**

1. Ready Wyoming Project BHC

## 2021 List of Projects Granted a Waiver of “Significant Impact” Status

**Project Name** **Organization**

1. AES 230 kV Interconnection at Westwing 230 kV Substation APS
2. Runway 230 kV Lines APS
3. Hashknife Generation Tie Line Project APS
4. Stratus 230 kV lines APS
5. Three Rivers 230 kV line APS
6. Contrail 230 kV lines APS
7. TS2 230 kV lines APS
8. Broadway 230 kV lines APS
9. TS 17 230 kV lines APS
10. Raver 500/230 kV Transformer Addition Project BPA
11. Longview Area 230/115 kV Transformer Addition BPA
12. Rocky Reach Solar Interconnection CHPD
13. Nixon to Kelker 230kV Line Uprate CSU
14. Briargate 230/115kV Autotransformer CSU
15. Kelker 230kV and 115kV Substation Rebuild CSU
16. Oso Grande Wind EPE
17. Gamebird 230/138 kV GLW
18. Midpoint T231 230/138 kV Transformer Replacement Project IPC
19. Cloverdale T231 230/138kV Transformer project IPC
20. Boise Bench – Cloverdale 230kV Transmission Line Project IPC
21. Cloverdale – Locust 230 kV Transmission Line Project IPC
22. Cloverdale – Hubbard 230 kV Transmission Line Project IPC
23. Jackpot Solar interconnection Project IPC
24. Victorville 287 kV Station Voltage Upgrade to 300 kV LADWP
25. Barren Ridge 230 kV STATCOM LADWP
26. IPP New Synchronous Condenser 3X250 MVA LADWP
27. IPP Coal Unit Replacement with CC Natural Gas LADWP
28. McCullough – Victorville Series Compensation Upgrade 500 kV line LADWP
29. Dodge Flat Solar Energy Center NVE
30. Battle Mountain Solar and Storage NVE
31. Fish Springs Ranch Solar NVE
32. Apex Solar NVE
33. Copper Mountain Solar #5 NVE
34. Harry Allen Solar (aka Dry Lake Solar) at Harry Allen NVE
35. Techren Solar Interconnection NVE
36. Arrow Canyon Solar NVE
37. Southern Big Horn Solar (Formally Eagle Shadow Mountain Solar) NVE
38. Gemini Solar 1 and 2 NVE
39. Boulder Solar III NVE
40. Chuckwalla Solar Project NVE
41. Greenlink Nevada West (GLW) NVE
42. Greenlink Nevada North (GLN) NVE
43. Aeolus – Shirley Basin #2 230 kV PacifiCorp
44. Wilson 115 kV Area Reinforcement PG&E
45. Cottonwood 230/115 kV Bank 1 and 4 Replacement Project PG&E
46. Moraga 230 kV Bus Upgrade PG&E
47. East Shore 230 kV Bus terminals Reconfiguration PG&E
48. Newark 230/115 kV Transformer Bank #7 Circuit Breaker Addition PG&E
49. Gold Hill 230/115 kV Transformer Addition Project PG&E
50. Moss Landing 500/230 kV Bank 9 Replacement PG&E
51. Mcloud Wind PG&E
52. Pittsburg Energy Storage PG&E
53. Kola PG&E
54. Sandrini Sol 2 PG&E
55. Horizon-Keeler BPA #2 230 kV Project PGE
56. San Juan 345 kV Station Expansion PNM
57. San Juan 345 kV Generation Interconnection PNM
58. 345 kV Generation Interconnection Station PNM
59. Roundhouse Renewable Energy Project (RREP) PRPA
60. Cheyenne Ridge PSCo
61. Bronco Plains PSCo
62. Thunderwolf PSCo
63. Neptune PSCo
64. Sun Mountain PSCo
65. Hurley – Natomas 230 kV line Rating Increasing Project SMUD

## 2021 List of Projects Denied a Waiver of “Significant Impact” Status

**Project Name** **Organization**

1. Gates 500 kV Dynamic Reactive Support LSPower\_CA
2. Round Mountain 500 kV area Dynamic Reactive Support LSPower\_CA

## 2020 List of Projects Granted a Waiver of “Significant Impact” Status

**Project Name** **Organization**

1. Freedom 230/69 kV Substation APS
2. Runway 230 kV Lines APS
3. Stratus 230 kV Lines APS
4. Three Rivers 230 kV lines APS
5. Contrail 230 kV lines APS
6. TS2 230 kV Lines APS
7. Broadway 230 kV Lines APS
8. TS 17 230 kV Lines APS
9. Saddle Mountain Project AVA
10. Raver 500/230 kV Transformer Addition BPA
11. Longview Area 230/115 kV Transformer Addition BPA
12. Empire Solar EPE
13. Gamebird 230/138 kV Substation GLW
14. Midpoint T231 230/138 kV Transformer Replacement IPC
15. Hines T131 138/115/ kV Transformer Replacement IPC
16. Cloverdale T231 230/138 kV Transformer Replacement IPC
17. Boise bench – Cloverdale 230 kV Transmission Line IPC
18. Cloverdale – Locust 230 kV Transmission Line IPC
19. Beacon Light 138 kV Transmission Line IPC
20. Can-Ada – Blackcat 138 kV Transmission Line IPC
21. Cloverdale – Hubbard 230 kV Transmission Line IPC
22. Wood River – Ketchum 138 kV Transmission Line IPC
23. Orchard 138 kV Conversion Project IPC
24. Jackpot Solar Interconnection Project IPC
25. RS-J (Northridge) 230 kV CB & DiscSw Upgrades LADWP
26. RS-B Voltage Upgrade to 300 kV LADWP
27. Mead Substation Voltage Upgrade 300 kV LADWP
28. Victorville Bank K Upgrade LADWP
29. RS-E 230 kV Reactor Installation LADWP
30. Scattergood – Airport Line 1 138 kV LADWP
31. Valley – Toluca 230 kV line 1 and 2 Reconductoring LADWP
32. Haskell – Sylmar 230 kV line 2 Construction LADWP
33. Rinaldi RS 230 kV CB & Disc Sw Upgrades LADWP
34. Marketplace 500 kV Reactor New Installation LADWP
35. Pershing – Olympic 230 kV Cable B Construction LADWP
36. Scattergood – Pershing Olympic 230 kV Cable B LADWP
37. Tarzana – Olympic 1A and 1B (Convert from 138 kV to 230 kV) LADWP
38. Toluca – Hollywood Underground Line 1 Replacement LADWP
39. Victorville Bank K upgrade LADWP
40. Adelanto – Toluca 500 kV line 1 Rating Increase LADWP
41. Adelanto – Rinaldi 500 kV line 1 Rating Increase LADWP
42. Victorville – Rinaldi 500 kV line 1 Rating increase LADWP
43. RS-B Banks F Replacement LADWP
44. RS-K 138 kV -230 kV Bus Bank E and F Upgrades LADWP
45. Eland 1 and 2 LADWP
46. Dodge Flat Solar Energy Center NVE
47. Battle Mountain Solar and Storage NVE
48. Keno Solar Farm (Eagle Shadow Maintain Solar Farm NVE
49. Fish Springs Ranch Solar NVE
50. Apex Solar NVE
51. Copper Mountain Solar #5 NVE
52. Harry Allen Solar at Harry Allen NVE
53. Magnolia Second 230/138 kV Transformer NVE
54. Techren Solar Interconnection NVE
55. Arrow Canyon Solar NVE
56. Southern Big Horn Solar NVE
57. Gemini Solar 1 & 2 NVE
58. Larson 138 kV substation NVE
59. Camp William 345/138 kV Transformer and 138 kV Yard Addition PAC
60. Shortgrass – Cheyenne Ridge Transmission Project PSCO
61. Greenwood – Denver Terminal Transmission Project PSCO
62. Helvetia Substation Project PGE
63. Horizon VWR3 Project PGE
64. Kelley Point Reconfiguration Project PGE
65. St Marys Battery Project PGE
66. Sherwood 230 kV Breaker Replacement Project PGE
67. Sunset Breaker Replacement Project PGE
68. Butler Substation Project PGE
69. Murrayhill – St Marys 230 kV Reconductor Project PGE
70. Canyon – Urban 115 kV Reconductor Project PGE
71. Century Substation Project PGE
72. Arrowhead Substation Project PGE
73. Hillsboro Reliability Project PGE
74. Tonquin Substation Project PGE
75. Mt Pleasant Substation Project PGE
76. Harborton Reliability Project PGE
77. SE Portland Conversion Project PGE
78. Wheatridge Renewable Energy Facility PGE
79. Pit PH #1 add 230/69 kV Bank 5 PG&E
80. Moss Landing 500 kV upgrade PG&E
81. Northern Fresno 115 kV Area Reinforcement PG&E
82. Martin 230/115 kV Transformer No. 7 Replacement PG&E
83. Vaca Dixon – Lakeville 230 kV Corridor Series Compensation PG&E
84. Ravenswood 230/115 kV Transformer No. 1 Limiting Facility Upgrade PG&E
85. Jefferson 230 kV Bus Upgrade PG&E
86. Oakland Clean Energy Initiative PG&E
87. Midway 230 kV Bus Section D Upgrade Project PG&E
88. Tesla 230 kV Bus Series Reactor PG&E
89. Black Diamond energy Storage Generation Interconnection PG&E
90. Dallas Energy Storage PG&E
91. Roundhouse Renewable Energy Project PRPA
92. Red Hawk 230 kV SRP
93. Price Road Corridor 230 kV SRP
94. Wright Solar Park WSP

## 2019 List of Projects Granted a Waiver of “Significant Impact” Status

**Project Name** **Organization**

1. West Rapid City 230/69 kV substation BHP
2. Yellow Creek Transformer Addition BHP
3. South Rapid City – West Rapid City – Lange 230 kV line Rebuild BHP
4. Lange – Lookout -Wyodak 230 kV line Rebuild BHP
5. Can-Aba – Blackcat 138 kV Transmission line IPC
6. Valley – Rinaldi 230 kV lines 1 and 2 Reconductoring LADWP
7. New Castaic – Haskell 230 kV line #3 LADWP
8. Valley – Toluca 230 kV line 1 and 2 Reconductoring LADWP
9. Lugo – Victorville 500 kV line 1 upgrades LADWP
10. Rinaldi – Tarzana 230 kV line 1 and 2 Reconductoring LADWP
11. Convert PP1 & PP2 – Olive 115k V lines to Haskell Cny – Sylmar 230 kV line 2 LADWP
12. Barren Ridge – Kaskell Canyon 230 kV line 1 LADWP
13. Upgrade Victorville 500/287 kV Transformer Bank K LADWP
14. Upgrade Toluca 500/230 kV Transformer Bank H LADWP
15. Beacon Battery Energy Storage LADWP
16. Spring Bok III LADWP
17. New Rosamond Switching 230 kV Station LADWP
18. New Receiving Station X Switching 230 kV Station LADWP
19. Malin 230 kV Breaker Addition PAC
20. Sams Valley 500-230 kV substation PAC
21. Lone Pine – Whetstone 230 kV line PAC
22. Spanish Fork 345/138 kV Transformer #3 Upgrade PAC
23. Camp Williams – Oquirrh 345 kV line Upgrade PAC
24. Jim Bridger 345/230 kV Transformer #2 Upgrade PAC
25. 90th South Terminal 345 kV Line Loop into Midvalley Substation PAC
26. Harborton Project PGE
27. Hillsboro Project PGE
28. Aquamarine Westside Solar PG&E
29. Proxima Solar PG&E
30. Skookumchuck Wind Generation Project PSE
31. Dodge Flat Solar Energy Center NVE
32. Pershing Solar Project NVE
33. McDonald Transformer Addition NVE
34. Mc Donald – Arden 230 kV line Reconductoring NVE
35. NSO 230 kV Switchyard Interconnection by Techren NVE
36. Apex Solar NVE
37. Keno Solar Farm NVE
38. Copper Mountain Solar #5 NVE
39. Rancho Seco II Solar PV Project SMUD
40. Southeast Power Link SRP
41. Gateway Project TSGT
42. Arnold Project TSGT

## 2018 List of Projects Granted a Waiver of “Significant Impact” Status

**Project Name** **Organization**

1. West Hill – Stegall 230 kV Line Rebuild BHP
2. West Hill – South Rapid City 230 kV Line Rebuild BHP
3. Bob - Eldorado and Bob – Mead 230 kV Line GWT
4. Can – Ada – Blackcat 138kV Transmission Line Project IPC
5. Upgrade Circuit Ratings: Haskell-Olive 230 kV line LADWP
6. New Haskell – Sylmar 230 kV Line 2 LADWP
7. Apex – Crystal Transmission Line LADWP
8. Scattergood – Olympic Cable B LADWP
9. New Rosamond Station LADWP
10. Receiving Station X LADWP
11. Lyons Substation MEID
12. Install Goshen 345/161 kV #3 Transformer PAC
13. Replace Outlook 230/115 kV Transformer PAC
14. Blue Lake Phase 2 Project PGE
15. Sobrante Bank 1 Replacement PG&E
16. Oro Loma 70 kV Area Reinforcement (Westside Power Connect) PG&E
17. Coburn Banks 1 and 2 Replacement PG&E
18. Gates 500 kV Bank 11 Replacement PG&E
19. Rio Oso 230 kV BAAH Bus upgrade PG&E
20. Bakersfield Nos 1 and 2 230 kV Tap Lines Reconductoring PG&E
21. Northern Fresno 115 kV Area Reinforcement PG&E
22. Wilson 115 kV area Reinforcement PG&E
23. Helm 230/70 kV Bank 1 Replacement PG&E
24. Cottonwood – Red Bluff 60 kV line Reconductor PG&E
25. Fifth Standard Solar Generation Interconnection PG&E
26. Mustang 2 Generation Interconnection Project PG&E
27. Northern Orchard Solar Generation Interconnection PG&E
28. Blackwater Synchronous Condenser PNM
29. Albuquerque – Clines Corners 345 kV Line PNM
30. Rush Creek Transmission Project PSCO
31. Pierce County Transformer Addition and Line Reroutes PSE
32. Eastside 230 kV Transformer Addition and Line PSE
33. West Kitsap Transmission Project Phase II PSE
34. RE Scarlet REnergy
35. RE Slate REnergy
36. Tranquillity 8 Sempra
37. Hurley Jumper Replacement Project SMUD
38. Franklin 230 kV Substation SMUD
39. Hurley – Procter 230 kV line Reconductor SMUD
40. Shunt Capacitor at Orangevale Substation SMUD
41. Shunt Capacitor at Carmichael Substation SMUD
42. Hurley 230 kV bus-tie breaker SMUD
43. Cosumnes Power Plant CT2 and CT3 Upgrade SMUD
44. Antelope Expansion 2 SPower
45. Southeast Wyoming Transmission Project TSGT
46. Voyager Wind 2 Utility Services

## 2017 List of Projects Granted a Waiver of “Significant Impact” Status

**Project Name** **Organization**

1. Sagebrush 230 kV substation BHP
2. Raver 500/230 kV Transformer Addition Project BPA
3. McNary 500/230 kV transformer Addition Project BPA
4. Longview Area 230/115 kV Transformer Addition BPA
5. Front Range Power Plant to Nixon-Kelker (NX-KE) Line #2 CSU
6. Midpoint T232 230/138 kV Transformer Replacement Project IPC
7. Borah-Populus 345kV Ckt #1 Series Capacitor Replacement Project IPC
8. Kinport-Populus 345kV Series Capacitor Replacement Project IPC
9. Cloverdale 230/138kV Transformer Project IPC
10. Cloverdale – Hubbard 230kV Transmission Line Project IPC
11. King-Wood River 138kV Transmission Line Rebuild IPC
12. Willis-Lansing-Star 138kV Transmission Line Project IPC
13. Boulder Solar Interconnection Facility NVE
14. Goshen Spare 345/161 kV Transformer PAC
15. Convers County, WY PAC
16. Klamath, OR PAC
17. Bellota 230 kV Substation Shunt Reactor PG&E
18. Delevan 230 kV Substation Shunt Reactor PG&E
19. Los Esteros 230 kV Substation Shunt Reactor PG&E
20. Ignacio 230 kV Substation Shunt Reactor PG&E
21. Ignacio 230 kV Substation Shunt Reactor PG&E
22. Cabezon 345 kV station PNM
23. Clines Corners 345 kV station PNM
24. Guadalupe SVC PNM
25. Copper Crossing – Abel 230 kV SRP

## 2016 List of Projects Granted a Waiver of “Significant Impact” Status

**Project Name** **Organization**

1. Raver 500/230 kV Transformer Addition Project BPA
2. McNary 500/230 kV Transformer Addition Project BPA
3. Longview Area 230/115 kV Transformer Addition BPA
4. Warnerville Substation Upgrade HHWP
5. Midpoint T232 230/138 kV Transformer Addition Project IPC
6. Upgrade Terminal Equipment on Northridge-Tarzana 230kV LADWP
7. Reconductor Haskell Canyon Ridnaldi 230 kV line 1 LADWP
8. New Barren Ridge – Haskell Canyon 230 kV lines 2 and 3 LADWP
9. New Scattergood-Olympic 230 kV Cable A LADWP
10. Reconductor Barren Ridge – Haskell Canyon 230 kV line 1 LADWP
11. New Castaic – Haskell Canyon 230 kV line 3 LADWP
12. Reconductor both Valley-Rinaldi 230 kV lines LADWP
13. Reconductor Valley -Toluca 230 kV line 1 and 2 LADWP
14. Reconductor Both Rinaldi – Tarzana 230 kV lines LADWP
15. Convert PP1 &PP2 – Olvie 115 kV lines to Haskell Cny-sylmar 230 kV line 2 LADWP
16. Add second Victorville 500/287 kV Transformer Bank LADWP
17. Replace Toluca 500/230 kV Bank H LADWP
18. Beacon Solar 250 MW LADWP
19. Copper Mountain Solar 3 210 MW LADWP
20. Moapa K-Road Solar 250 MW LADWP
21. Recinco Solar 60 MW LADWP
22. Spring Bok 1, 2 and 3 340 MW LADWP
23. Harry Allen 500/230 kV Transformer NVE
24. Syracuse 2nd 345/138 kV 700 MVA Transformer PAC
25. Replae Red Butte Transformer PAC
26. Spanish Fork 345 kV Substation Circuit Breaker Additions PAC
27. Project 335 Wind Plant 80 MW PAC
28. Project 226 Wind Plant 151.2 MW PAC
29. Project 276 Wind Plant 98.9 MW PAC
30. Project 721 Solar Plant 55 MW PAC
31. Martin 230 kV Bus Extension PG&E

**Project Name** **Organization**

1. Eight Mile – Lodi Re-conducting Economic Project PG&E
2. Blue Lake/Gresham 230 kV project PGE
3. Horizon Phase II project PGE
4. Harborton Reliability Project PGE
5. Carty Generation Station PGE
6. Laporte 230 kV substation Expansion PRPA
7. Boy 230/115 kV Transformer Addition Project PRPA
8. Northern Greeley Transmission PSCo
9. Southern Greeley Transmission PSCo
10. Pierce County Transformer Addition and Line Reroutes PSE
11. Eastside 230 kV Transformer Addition and Line PSE
12. West Kitsap Transmission Project Phase II PSE
13. Torreon 345/115 kV Substation Project TSGT

## 2015 List of Projects Granted a Waiver of “Significant Impact” Status

**Project Name** **Project Sponsor**

1. Hassayampa‐N.Gila #2 (aka HANG2) 500 kV Project (2015) APS

2. Palm Valley‐Trilby Wash 230 kV Project (2015) APS

3. Sun Valley‐Trilby Wash 230 kV Project (2016) APS

4. Palo Verde‐Delaney 500 kV Project (2016) APS

5. Delaney‐Sun Valley 500 kV Project (2016) APS

6. Ocotillo Modernization Project (2017) APS

7. Mazatzal 345/69 kV Substation (2017) APS

8. Sun Valley‐Morgan 500 kV Project (2018) APS

9. N.Gila‐Orchard 230 kV Project (2018) APS

10. Sun Valley‐Morgan 230 kV Project (2026) APS

11. Scatter Wash 230/69 kV Substation (TBD) APS

12. Bill Durfee (Sundance) 230 kV Substation BHP

13. Raver 500/230 kV Transformer Addition Project BPA

14. McNary 500/230 kV Transformer Addition Project BPA

15. Second 230kV line from Front Range Plant to Nixon-Kelker (NX-KE) Line CSU

16. Midpoint T232 230/138 kV Transformer Addition Project IPC

17. Midpoint West Upgrade Project IPC

18. Wallula – McNary 230 kV Line PAC

19. Planned Generation Interconnection Projects (PACE) PAC

20. Table 8b: Planned Generation Interconnection Projects (PACW) PAC

21. Los Banos-4C779 #1 230kV Line Reconductoring Project PG&E

22. Gregg-Herndon #2 230 kV Line Circuit Breaker PG&E

23. Bellota – Warnerville 230 kV Line Reconductoring PG&E

24. Glenn 230/60 kV Transformer No. 1 Replacement PG&E

25. Monta Vista 230 kV Bus Upgrade PG&E

26. Midway-Kern PP 230 kV #2 Line Project PG&E

27. Estrella Substation PG&E

28. Midway Fault Duty Mitigation Project PG&E

29. Wheeler Ridge Junction Substation PG&E

30. Morgan Hill Area Reinforcement Project PG&E

31. Q779 PG&E

32. Q829 PG&E

33. Q643X PG&E

34. Q877 PG&E

35. Q258 PG&E

36. Blue Lake/Gresham 230 kV Project PGE

37. Horizon Phase II Project PGE

38. Port Westward II generation PGE

39. Tucannon River Wind Farm PGE

40. Laporte 230 kV Substation Expansion PRPA

41. Boyd 230/115kV Transformer Addition Project PRPA

42. Miguel Synchronous Condenser SDGE

43. Phase Shifting Transformer (PST) at Imperial Valley SDGE

44. SVC at Suncrest Substation SDGE

45. Browning ‐ Rogers 230kV line SRP

46. Hassayampa – Pinal West 500kV line loop into Jojoba Substation SRP

47. Price Road Corridor Project SRP

48. Eastern Mining Expansion Project SRP

49. Santan – Rogers 230kV line Reconfiguration SRP

50. Browning – Corbell 230kV line Reconfiguration SRP

51. Abel – Pfister ‐ Ball 230kV line SRP

52. Hassayampa – Pinal West #2 500kV line SRP

53. Southwest Weld Expansion Project TSGT

## 2014 List of Projects Granted a Waiver of “Significant Transmission Project” Status

**Project Name** **Organization**

1. Palm Valley – Trilby Wash 230 kV Project APS

2. Sun Valley‐Trilby Wash 230 kV Project APS

3. Palo Verde‐Delaney 500 kV Project APS

4. Delaney‐Sun Valley 500 kV Project APS

5. Mazatzal 345/69 kV Substation APS

6. Sun Valley‐Morgan 500 kV Project APS

7. N.Gila‐Orchard (previously called TS8) 230 kV Project APS

8. Scatter Wash 230/69 kV Substation APS

9. Sun Valley‐Morgan 230 kV Project APS

10. Bill Durfee (Sundance) 230 kV Substation BHP

11. Raver 500/230 kV Transformer Addition Project BPA

12. Front Range Power Plant to Nixon-Kelker (NX-KE) Line #2 CSU

13. Midpoint T232 230/138 kV Transformer Addition Project IPC

14. Midpoint West Upgrade Project IPC

15. Casper Substation-Install 230/115 MVA transformer PAC

16. Mid Valley Substation-Replace 345-138kV, 450 MVA with 700 MVA

17. Transformers PAC

18. St. George Substation- Install 345kV/138kV transformer & expand yard PAC

19. Snow Goose 500/230kV substation PAC

20. Syracuse –Install 345/138 kV #2 Transformer PAC

21. Table Mountain 500/230kV substation PAC

22. Troutdale Substation, Add 3- 230 kV circuit breakers PAC

23. Union Gap 230/115 kV Transformer Addition PAC

24. Vantage –Pomona Heights 230 kV line PAC

25. Whetstone 230/115kV Substation PAC

26. Planned Generation Waiver PAC

27. Contra Costa sub 230kV Switch Replacement PG&E

28. Gates No. 2 500/230 kV Transformer PG&E

29. Kearney-Herndon 230 kV Line Reconductor PG&E

30. Warnerville-Wilson 230 kV Series Reactor PG&E

31. Diablo Canyon Voltage Support Project PG&E

32. Lockeford-Lodi Area 230 kV Development PG&E

33. Midway-Andrew 230 kV PG&E

34. Moraga-Potrero 230 kV Project PG&E

35. Solar Star Generation Interconnection Project PG&E

36. Stockton Generation Expansion Project PG&E

37. Blue Lake/Gresham 230 kV Project PGE

38. Horizon Phase II Project PGE

39. Port Westward II generation PGE

40. Laporte 230 kV Substation Expansion PRPA

41. Boyd 230/115kV Transformer Addition Project PRPA

42. Eastside 230 kV Transformer Addition and Line PSE

43. Sycamore-Penasquitos 230 kV Line Project SDGE

44. Artesian 230 kV Expansion SDGE

45. New 230/69 kV Transformer at Mission SDGE

46. Talega Synchronous Condenser SDGE

47. SONGSMESA Synchronous Condenser SDGE

48. San Luis Rey Synchronous Condenser SDGE

49. Shunt Reactor at Suncrest SDGE

50. Desert Basin – Pinal Central 230kV line SRP

51. Price Road Corridor Project SRP

52. Rogers – Santan 230kV line SRP

53. Silver King – RS-29 230kV Project SRP

54. New Superior – New Oak Flat 230kV line SRP

55. New Oak Flat – Silver King 230kV line SRP

56. Abel – Pfister - Ball 230kV line SRP

57. Burlington-Lamar 345/230 kV Project TSGT

58. JM Schafer-Henry Lake 230 kV Project TSGT

## 2013 List of Projects Granted a Waiver of “Significant Transmission Project” Status

**Project Name Organization**

1. Eastside 230 kV Transformer Addition and Line PSEI

2. Starwood-Tideflats 115/110 kV Transformer Removal PSEI

3. SVP Phase Shifting Transformer Project (SVP-PST) SVP

4. St. Onge 230 kV Substation BHP

5. Sundance 230 kV Substation BHP

6. El Centenario 230 kV Substation CFE

7. San Luis Rey 230 kV Substation CFE

8. Transmission Line ROA – CPD 230 kV CFE

9. Clover Substation - Add 345/138 kV transformer PAC

10. Terminal 345/138 kV #1 & #2 Transformer Upgrade PAC

11. Copco Substation Increase PAC

12. Ben Lomond 345/138 kV #2 transformer 450 MVA PAC

13. Carbon County System Upgrade PAC

14. Line 3 Conversion Project PAC

15. Union Gap 230/115 kV increase in capacity, add a third 250 MVA transformer PAC

16. Whetstone 230/115 kV Substation PAC

17. Red Butte/ St. George Double Circuit Line and 345/138 kV Transformer PAC

18. Syracuse 345/138 kV #2 Transformer PAC

19. Midvalley 345/138 kV #1 & #2 transformer replacement 700 MVA PAC

20. Yellowtail 230/138 kV #2 transformer PAC

21. Fry Substation, install 115 kV capacitors PAC

22. Troutdale Substation, 230 kV switchyard addition PAC

23. Planned Generation Interconnection Projects – 68 Projects in APR PAC

24. Midpoint T232 230/138 kV Transformer Replacement Project IPC

25. Imperial Valley Substation to Dixieland Substation 230 kV Line Project IID

26. North Dublin 230kV Shunt Reactor PG&E

27. Contra Costa – Moraga SPS Installation PG&E

28. Arco Transformer Installation Project PG&E

29. Midway – Kern PP 230 kV Line 1,3, and 4 Capacity Increase PG&E

30. Tulucay 230/60 kV Transformer No. 1 Capacity Increase PG&E

31. Moraga – Castro Valley 230 kV Line Capacity Increase PG&E

32. Kearney 230/70 kV Transformer 2 PG&E

33. Fulton 230/115 kV Transformer PG&E

34. Moraga Transformer Capacity Increase PG&E

35. Rio Oso – Atlantic 230 kV Line PG&E

36. San Mateo Synchronous Condenser Replacement PG&E

37. Wheeler Ridge Voltage Support PG&E

38. Rio Oso Area 230 kV Voltage Support PG&E

39. Kern PP 230 kV Area Reinforcement Project PG&E

40. Borden 230 kV Voltage Support PG&E

41. Blue Lake – Gresham 230 kV PGE

42. Pearl – Sherwood 230 kV PGE

43. Expansion of the Rio Puerco 345 kV Station PNM

44. Raver 500/230 kV Transformer Addition Project BPA

45. Southwest 230 kV Ring Bus Conversion TPWR

46. Desert Basin – Pinal Central 230 kV Line SRP

47. Eastern Mining Area Expansion Project SRP

48. Price Road Corridor Project SRP

49. Rogers – Santan 230kV line SRP

50. New Superior – New Oak Flat 230kV line SRP

51. New Oak Flat – Silver King 230kV line SRP

52. New Abel – Pfister - Ball 230kV line SRP

53. Silver King – New Pinto Valley 230kV line SRP

54. Shunt Capacitor Banks at Penasquitos 230 SDG&E

55. Ocotillo Express Interconnection Project SDG&E

56. Boone – Walsenburg 230 kV Line TSGT

57. San Juan Basin Energy Connect Project TSGT

58. San Luis Valley – Carson 230 kV Line TSGT

59. Western Colorado Transmission Upgrade Project TSGT

60. Reconductor Delridge-Duwamish 230 kV line SCL

61. Reconductor Bothell – SnoKing 230 kV lines SCL

62. Tres Amigas Super Station TASS

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