



2024 Annual Progress Report Summary

Studies Subcommittee

7/16/24

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Entities with no updates

Member Systems previously reporting significant facilities in the *WECC Transmission Database* from which, as of March 28, 2024, no report has been received:

<u>Entity Name</u>	<u>Last Reported</u>
1. AESO	2021
2. SPower	2019

Member Systems previously reporting and indicating that that have no significant facilities in the *WECC Transmission Database* from which, as of March 28, 2024, no report or update has been received:

<u>Entity Name</u>	<u>Last Reported</u>
1. DGT	2021
2. EWEB	2019



2024 List of Projects Granted a Waiver of “Significant Impact” Status

<u>Project Name</u>	<u>Organization</u>
1. Serrano Solar and Storage Project 230 kV Gen Tie	APS
2. Rabbit Canyon 500 kV Switchyard and Lines	APS
3. Dromedary 230 kV Switchyard and Lines	APS
4. Runaway Additional 230 kV Lines	APS
5. Roving Ground Solar and Storage 500 kV Interconnection	APS
6. West Camp Wind Gen-Tie Project	APS
7. Sun Valley - Outer Circle 230 kV Line	APS
8. Sundance – Pinal Central 230 kV Line	APS
9. Bagdad 230 kV Transmission Line	APS
10. Bianco 230 kV Lines	APS
11. TS22 Project	APS
12. Panda – Freedom 230 kV Line Rebuild	APS
13. Pinnacle Peak – Ocotillo 230 kV Line Rebuild	APS
14. Jojoba-Rudd 500 kV Line	APS
15. Runway-Stratus 230 kV Line Cutin to TS21	APS
16. TS21 – Broadway 230 kV Line	APS
17. Four Corners – Cholla – Pinnacle Peak 345 kV line Rebuild	APS
18. Boardman Area Reinforcement Longhorn Substation	BPA
19. Cross Cascades North Upgrade	BPA
20. Horizon 230 kV Substation	CSU
21. Midway to Kelker 230 kV line	CSU
22. Renewable Generation Standalone Battery Storage 2030	EPE
23. Wanapum-Mountain View 230 kV Transmission Line	GCPUD
24. GLW Revised Core Upgrades	GLW
25. GLW Beatty Area 230 kV Project	GLW
26. Newark-N Receiving Stating HVDC	LSPGCA
27. Metcalf -Sanjose B HVDC Project	LSPGCA
28. Sierra Solar, Lantern Substation and Lantern–Comstock 345 kV line	NVE
29. Hilltop Phase Sifter Move	NVE
30. Lazy 5 120 kV Substation	NVE
31. Gerlach, Ormat N Valley 2 and San Emedio generation at Eagle 120 kV	NVE



<u>Project Name</u>	<u>Organization</u>
32. TRIC – Newton 120 kV Switchyard and Associated Upgrades	NVE
33. Bordertown To California Sub 120 kV Project	NVE
34. Stockyard 120 kV Substation	NVE
35. Reid Gardner – Harry Allen Line #3	NVE
36. Goforth 230/12kV Substation (aka Apex Central)	NVE
37. El Capitan to Northwest 138 kV Reconductor	NVE
38. LV Cogen to Highland 138kV Fold into Miller	NVE
39. Clark – Concourse 138 kV Reconductor	NVE
40. Winston 138 kV Switchyard	NVE
41. Project Quasar – 138 kV Switching Station	NVE
42. Apex Substation Project	PAC
43. Feedville Substation Project	PAC
44. Southern Oregon 230 kV line	PAC
45. Alvey-Malin 500 kV Series Compensation Upgrades	PAC
46. Limber-Terminal 345 kV lines	PAC
47. Metcalf 230/115kV Transformers Circuit Breaker Addition	PGAE
48. Lone Tree-Cayetano-Newark Corridor Series Compensation	PGAE
49. Equipment Upgrade at CCSF Owned Warnerville 230 kV Substation	PGAE
50. Los Banos 230kV Circuit Breakers Replacement	PGAE
51. Panoche 115 kV Circuit Breaker Replacement and 230 KV Bus Upgrade	PGAE
52. Mesa 230/115 kV Spare Transformer	PGAE
53. Borden-Storey 230 kV 1 and 2 Line Reconductoring	PGAE
54. Henrietta 230/115 kV Bank 3 Replacement	PGAE
55. Blue Lake 230 kV Battery Project	PGE
56. Rivergate 230 kV Battery Project	PGE
57. Evergreen 115 kV Batter Project	PGE
58. Madras Solar 230 kV	PGE
59. Jefferson Solar 230 kV	PGE
60. Evergreen-Harborton 230 kV Reconductor	PGE
61. Hidden Mountain 345 kV Station	PNM
62. Severance Substation Solar Project (formerly called Black hallow Sun)	PRPA
63. Miguel-Sycamore Canyon 230 kV line Loop-in to Suncrest project	SDGE
64. Imperial Valley – North of SONGS 500 kV line and Substation	SDGE



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<u>Project Name</u>	<u>Organization</u>
65. North Gila – Imperial Valley 500 kV line	SDGE
66. Rearrange TL23013 PQ-QT and TL6959 PG- Mira Sorrento	SDGE
67. 3 Ohm Series Reactor on Sycamore – Penasquitos 230 kV line	SDGE
68. County Acres Generation Project	SMUD
69. Solano 4 Wind Generation Project	SMUD
70. Elverta (El Rio) 230kV Substation Rebuild and Expansion	SMUD
71. Laveen 500/230 kV	SRP
72. Nate 230 kV	SRP
73. Browning Third 500/230 kV Transformer	SRP
74. Pinal Central Third 500/230 kV Transformer	SRP
75. Pinal Central fourth 500/230 kV Transformer	SRP
76. Browning Fourth 500/230 kV Transformer	SRP
77. Rudd Fifth 500/230 kV Transformer	SRP
78. Rudd Sixth 500/230 kV Transformer	SRP
79. Milk Creek 345 kV Substation	TSGT
80. Valent 230 kV Substation	TSGT

2024 List of Projects Denied a Waiver of “Significant Impact” Status

<u>Project Name</u>	<u>Organization</u>
1. Collinsville 500/230 kV Substation Project	LSPGCA



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

<u>Project Name</u>	<u>Organization</u>
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



2024 Annual Progress Report**Project Name****Organization**

33. Reconductor Murrayhill - St Mary #1 and #2 230 kV	PGE
34. Sherwood – St Mary 230 kV line	PGE
35. Quail Ranch 345 kV Station	PNM
36. Orme – Rudd 230 kV lines #1 and #2 Upgrade	SRP
37. Anderson – Kyrene 230 kV #2	SRP
38. Crosspoint 230 kV Substation	TSGT



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

<u>Project Name</u>	<u>Organization</u>
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



<u>Project Name</u>	<u>Organization</u>
31. Contra Costa PP 230 kV line Terminals Reconfiguration	PG&E
32. Vasona – Metcalf 230 kV line limiting Elements Removal	PG&E
33. Atlantic 230/60 kV transformer voltage regulator	PG&E
34. Cortina Bank #1 230/115/60 kV Transformer Bank Replacement	PG&E
35. Metcalf 230 kV Substation Circuit Breaker #No 292 Upgrade	PG&E
36. Cooley Landing Substation Circuit Breaker No 62 Upgrade	PG&E
37. Table Mountain Second 500/230 kV Transformer	PG&E
38. Reconductor Delevan – Cortina 230 kV line	PG&E
39. Moss Landing – Las Aguilas 230 KV line Series Reactor	PG&E
40. Fountain Wind	PG&E
41. Westland Solar Blue	PG&E
42. Luna Valley	PG&E
43. Daylight	PG&E
44. Pluot	PG&E
45. Pomergranate	PG&E
46. Corby	PG&E
47. Sonrisa	PG&E
48. Key Storage 1	PG&E
49. Irving Storage	PG&E
50. Plano Storage	PG&E
51. Tanager Storage	PG&E
52. Cormorant Storage	PG&E
53. Button Bush Hybrid Solar Energy and Storage	PG&E
54. Sherwood 230 kV Breaker Replacement	PGE
55. Colorado’s Power Pathway	PSCo
56. Sacramento Valley Energy Center Generation Project	SMUD
57. Coolidge Expansion Project	SRP
58. High-Tech Interconnect Project	SRP
59. Project huckleberry	SRP
60. Burlington – Lamar 230 kV line	TSGT
61. Boone – Huckleberry 230 kV line	TSGT
62. Badger Creek – Big Sandy 230 kV line	TSGT



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<u>Project Name</u>	<u>Organization</u>
63. Big Sandy – Burlington 230 kV Uprate	TSGT

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

<u>Project Name</u>	<u>Organization</u>
1. Ready Wyoming Project	BHC



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

<u>Project Name</u>	<u>Organization</u>
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



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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

<u>Project Name</u>	<u>Organization</u>
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

<u>Project Name</u>	<u>Organization</u>
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

<u>Project Name</u>	<u>Organization</u>
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. 90 th 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



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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

<u>Project Name</u>	<u>Organization</u>
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



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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

<u>Project Name</u>	<u>Organization</u>
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

<u>Project Name</u>	<u>Organization</u>
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 Rinaldi 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 2 nd 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



<u>Project Name</u>	<u>Organization</u>
32. Eight Mile – Lodi Re-conducting Economic Project	PG&E
33. Blue Lake/Gresham 230 kV project	PGE
34. Horizon Phase II project	PGE
35. Harborton Reliability Project	PGE
36. Carty Generation Station	PGE
37. Laporte 230 kV substation Expansion	PRPA
38. Boy 230/115 kV Transformer Addition Project	PRPA
39. Northern Greeley Transmission	PSCo
40. Southern Greeley Transmission	PSCo
41. Pierce County Transformer Addition and Line Reroutes	PSE
42. Eastside 230 kV Transformer Addition and Line	PSE
43. West Kitsap Transmission Project Phase II	PSE
44. Torreon 345/115 kV Substation Project	TSGT



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

<u>Project Name</u>	<u>Project Sponsor</u>
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



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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

<u>Project Name</u>	<u>Organization</u>
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

<u>Project Name</u>	<u>Organization</u>
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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