

## 2023 Integrated Resource Plan

May 1, 2023 Filing

### CONFIDENTIAL AND HIGHLY CONFIDENTIAL WORKPAPER PLACEHOLDER

The following workpapers are confidential in their entirety:

200420-PAC-Compare - ST Cost Summary - Low Load S02 (16946) vs. PP (16514) (C).xlsx  
200420-PAC-Compare - ST Cost Summary - Low PG Load S05 (17099) vs. PP (16514) (C).xlsx  
200420-PAC-CONF 2020-2023 CH10 Term and Day ahead purchases for IRP as of 3.27.23 (C).xlsx  
200420-PAC-CONF 23IRP-Coal VOM-10-14-22 (C).csv  
200420-PAC-CONF 23RP-NGas VOM-10-14-22 (C).csv  
200420-PAC-CONF 45Q Plexos Inputs IRA (C).xlsx  
200420-PAC-CONF CapEx Rev Req -template-23IRP Dual Fuel-20221017 (C).xlsm  
200420-PAC-CONF Decommission costs Coal Dual Fuel 23IRP (C).xlsx  
200420-PAC-CONF Fig 1.13 - RPS Compliance-2023 IRP-Portfolio 5993 (C).xlsx  
200420-PAC-CONF Fig 6.2-6.7, Tables 6.11-6.12, 2023 IRP - L&R (C).xlsx  
200420-PAC-CONF Figure 1.2 LT-7359-23I.LT.RP.20.PA1-.EP.MM.PP-D3 29 (C).xlsb  
200420-PAC-CONF Figure 1.3-1.6 1.8 1.10-1.12 -Resource Charts Development Portfolio 5 MT v3 clean Emission Chart (C).xlsx  
200420-PAC-CONF Figure 9.10 - ST Cost Summary Compare PA1 MM PP (8047) vs P05 No Nuclear Plant (8320) (C).xlsx  
200420-PAC-CONF Figure 9.12 - ST Cost Summary Compare PA1 MM PP (8047) vs P06 No Future Tech (9041) (C).xlsx  
200420-PAC-CONF Figure 9.14 - ST Cost Summary Compare PA1 MM PP (8047) vs PA1 D3 32 (8452) (C).xlsx  
200420-PAC-CONF Figure 9.16 - ST Cost Summary Compare PA1 MM PP (8047) vs PA1 No D2-3 (8431) (C).xlsx  
200420-PAC-CONF Figure 9.17 - ST Cost Summary Compare PA1 MM PP (8047) vs PA1 MM PP Wyoming No OTR (9473) (C).xlsx  
200420-PAC-CONF Figure 9.19 - ST Cost Summary Compare PA1 MM PP vs P10 Offshore WD (C).xlsx  
200420-PAC-CONF Figure 9.2 - ST Cost Summary Compare PA1 MM PP (8047) vs P01 Bridger 26 Gas Conversion (8194) (C).xlsx  
200420-PAC-CONF Figure 9.21 - ST Cost Summary Compare PA1 MM PP (8047) vs PA1Max Gas (10704) (C).xlsx

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200420-PAC-CONF Figure 9.23 - ST Cost Summary Compare PA1 MM PP (8047) vs No Coal No Gas 2040 (11975) (C).xlsx

200420-PAC-CONF Figure 9.25 - ST Cost Summary Compare PA1 MM PP (8047) vs PA1 MM PP - Max DSM (9923) (C).xlsx

200420-PAC-CONF Figure 9.26 - ST Cost Summary Compare PA1 MM PP (8047) vs PA1 All Gateway (9944) (C).xlsx

200420-PAC-CONF Figure 9.28 - ST Cost Summary Compare PA1 MM PP (8047) vs PA1 No GWS (9965) (C).xlsx

200420-PAC-CONF Figure 9.30 - ST Cost Summary Compare PA1 MM PP (8047) vs PA1 No B2H (9986) (C).xlsx

200420-PAC-CONF Figure 9.31 - ST Cost Summary Compare PA1 MM PP (8047) vs PA1 MM PP Colstrip Retirement (11572) (C).xlsx

200420-PAC-CONF Figure 9.33 - ST Cost Summary Compare PA1 MM PP (8047) vs PA1 East Cluster (11824) (C).xlsx

200420-PAC-CONF Figure 9.35 - ST Cost Summary Compare PA1 MM PP (8047) vs PA1 West Cluster (8236) (C).xlsx

200420-PAC-CONF Figure 9.36 - Compare - ST Cost Summary (JB34 CCUS ST8850) vs Base (D3 in 29 ST8047) (C).xlsx

200420-PAC-CONF Figure 9.4 - ST Cost Summary Compare PA1 MM PP (8047) vs PA1 V2 BG Coal (8607) (C).xlsx

200420-PAC-CONF Figure 9.41-9.44, 9.46, 9.48-9.50 - Resource Charts Development Portfolio 5 MT v3 clean Emission Chart (C).xlsx

200420-PAC-CONF Figure 9.51 - Monthly Emission 23IRP Pref Port (C).xlsx

200420-PAC-CONF Figure 9.52 - RPS Compliance-2023 IRP-Portfolio 5993 (C).xlsx

200420-PAC-CONF Figure 9.53 - 2023 IRP - L&R Chart (C).xlsx

200420-PAC-CONF Figure 9.54 - Energy Mix - PAC Data v2 (C).xlsx

200420-PAC-CONF Figure 9.55 - Capacity Mix Chart (C).xlsx

200420-PAC-CONF Figure 9.65 - Compare - ST Cost Summary (DJ2 CCUS ST8362) vs Base (D3 in 29 ST8047) (C).xlsx

200420-PAC-CONF Figure 9.66 - Compare - ST Cost Summary (DJ4 CCUS ST8389) vs Base (D3 in 29 ST8047) (C).xlsx

200420-PAC-CONF Figure K.1 K.2 Wind and solar correlation figures-2021 04 22 (C).xlsm

200420-PAC-CONF Figure N.1-N.3 23IRP Flexible Hydrogen Production (C).xlsb

200420-PAC-CONF Plexos Input-Existing coal cost Dual Fuel- 23IRP-20221017 (C).xlsx

200420-PAC-CONF Plexos Updated Planned Maintenance Dual Fuel - 23IRP-20221024 (C).xlsx

200420-PAC-CONF RevReq-23IRP-Dual Fuel-Case-20221026-1 (C).xlsx

200420-PAC-CONF Scenario Master-BaseCase 2023 IRP Base (Inputs Dual Fuel) (C).xlsx

200420-PAC-CONF Table 7.1 - 7.2 - Total Resource Cost for Supply-Side Resource Options 23 IRP 031523 (C).xlsx

200420-PAC-CONF Table 7.8- PacifiCorp TD Deferral Value w 2022 plan 10-04-2022 (C).xlsx

200420-PAC-CONF Table 9.25 - ST Cost Summary Compare PA1 MM PP (8047) vs P01 New Load (11467) (C).xlsx

200420-PAC-CONF Tables 1.1 and 1.2 - Transmission Selection Summary (C).xlsx

200420-PAC-CONF-45Q Plexos Inputs IRA (C).xlsx

200420-PAC-CONF-CapEx Rev Req -template-23IRP CCUS-20230303 (C).xlsm

200420-PAC-CONF-CapEx Rev Req -template-23IRP GC-20230220 (C).xlsm

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200420-PAC-CONF-CapEx Rev Req -template-23IRP SCR-20221017 (C).xlsm  
200420-PAC-CONF-CapEx Rev Req -template-23IRP SNCR -20221017 (C).xlsm  
200420-PAC-CONF-CONF-CapEx Rev Req -template-23IRP updated-1-11-2023-Colstrip Assumptions (C).xlsm  
200420-PAC-CONF-Dave Johnston 4 Setup (C).xlsx  
200420-PAC-CONF-Decommission costs Coal 23IRP (C).xlsx  
200420-PAC-CONF-Decommission costs Coal CCUS 23IRP (C).xlsx  
200420-PAC-CONF-Decommission costs Coal GC 23IRP 20230220 (C).xlsx  
200420-PAC-CONF-Decommission costs Coal SCR 23IRP (C).xlsx  
200420-PAC-CONF-Decommission costs Coal SNCR 23IRP (C).xlsx  
200420-PAC-CONF-Existing Gas Decommissioning 23IRP (C).xlsx  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.HH.Gas Replace.10704 (LT. 10304 - 10832) v103.6 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.HH.PP-D3 29.7359 (LT. 7359 - 9317) v100.9 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.LN.Gas Replace.10704 (LT. 10304 - 10874) v103.6 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.LN.PP-D3 29.7359 (LT. 7359 - 9338) v100.9 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.LN.PP-No B2H.9647 (LT. 9647 - 11000) v103.9 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.LN.PP-No GWS.9648 (LT. 9648 - 11021) v103.9 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.LN.PP-V2 BG Coal.7367 (LT. 7367 - 11084) v103.9 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.Gas Replace.10704 (LT. 10304 - 10853) v103.6 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP 1in20LD S03.16860 (LT. 16860 - 17032) v118.4 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP HighLD S01.16858 (LT. 16858 - 16925) v118.4 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP LowLD S02.16859 (LT. 16859 - 16967) v118.4 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP LowPGLD S05.17098 (LT. 17098 - 17120) v118.8 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP No D2-D3.8387 (LT. 8387 - 9233) v100.8 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP.Offshore.WD.8606 (LT. 11951 - 11929) v105.4 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-All Gateway.8848 (LT. 8848 - 10091) v102.4 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-CEP OR SSR.7372 (LT. 7372 - 9254) v100.8 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-Colstrip.7359 (LT. 7359 - 11593) v105.1 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-D3 29 BP S06.16853 (LT. 16853 - 16883) v118.2 (C).xlsb

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200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-D3 29 Updated.15447 (LT. 15447 - 15938) v116.4 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-D3 29.7359 (LT. 7359 - 8800) v99.7 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-D3 32.8386 (LT. 8386 - 8978) v100.2 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-Max DSM.8847 (LT. 8847 - 10070) v102.4 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-No GWS.9648 (LT. 9648 - 10112) v102.4 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-NoCoalNoGas-2040.8799 (LT. 8799 - 10049) v102.4 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-ORSSR 50.8839 (LT. 8539 - 9275) v100.8 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-ORSSR ACC.8540 (LT. 8540 - 9296) v100.8 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-V1 BG 26 GC.7364 (LT. 7364 - 8934) v99.9 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-V18 East Cluster.7365 (LT. 7365 - 11614) v105.2 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-V19 West Cluster.7366 (LT. 7366 - 11635) v105.2 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-V2 BG Coal.7367 (LT. 7367 - 8955) v99.9 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-V3 Hunter 3 SCR.8385 (LT. 8385 - 9126) v100.7 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-V4 Huntington 28.7369 (LT. 7369 - 9084) v100.6 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-V5 No Nuc-NonE.7370 (LT. 7370 - 8999) v100.3 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MM.PP-V6 No Future Tech.7371 (LT. 7371 - 9020) v100.3 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.MN.PP-D3 29.7359 (LT. 7359 - 9359) v100.9 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1-.EP.SC.PP-D3 29.7359 (LT. 7359 - 9649) v102.0 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PA1a.EP.MM.WyNoOTR.7359 (LT. 7359 - 9494) v101.2 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PH0-.EP.HH.Base.9557 (LT. 9557 - 9625) v101.9 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PL0-.EP.LN.Base.9560 (LT. 9560 - 10028) v102.4 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PM0-.EP.MN.Base.9646 (LT. 9646 - 10219) v102.4 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PS0-.EP.SC.Base.9558 (LT. 9558 - 9604) v101.9 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PS1-.EP.SC.CETA Max Benefit.11190 (LT. 11190 - 11299) v104.4 (C).xlsb

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200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PS1-.EP.SC.CETA No Climate.11191 (LT. 11191 - 11278) v104.4 (C).xlsb  
200420-PAC-CONF-MT Cost Summary -23I.MT.RP.20.PS1-.EP.SC.CETA.10305 (LT. 10305 - 10327) v103.1 (C).xlsb  
200420-PAC-CONF-Plexos Input-Existing coal cost- 23IRP-Base-Updated-1-11-23-Colstrip Update (C).xlsx  
200420-PAC-CONF-Plexos Input-Existing coal cost- 23IRP-CCUS-20230303 (C).xlsx  
200420-PAC-CONF-Plexos Input-Existing coal cost- 23IRP-CCUS-20230403 Fix FOM (C).xlsx  
200420-PAC-CONF-Plexos Input-Existing coal cost- 23IRP-GC-20230220 (C).xlsx  
200420-PAC-CONF-Plexos Input-Existing coal cost SCR- 23IRP-20221017 (C).xlsx  
200420-PAC-CONF-Plexos Input-Existing coal cost SNCR- 23IRP-Base-20221017 (C).xlsx  
200420-PAC-CONF-Plexos Inputs 2030 GC Units (C).xlsx  
200420-PAC-CONF-Plexos Updated Planned Maintenance - 23IRP-Base-202010210 (C).xlsx  
200420-PAC-CONF-Plexos Updated Planned Maintenance SCR - 23IRP-20221024 (C).xlsx  
200420-PAC-CONF-Plexos Updated Planned Maintenance SNCR - 23IRP-Base-202010210 (C).xlsx  
200420-PAC-CONF-Reclamation 2023 IRP (C).xlsx  
200420-PAC-CONF-RevReq-23IRP-Base-Case-20221018-1 (C).xlsx  
200420-PAC-CONF-RevReq-23IRP-CCUS-Case-20230305-1 (C).xlsx  
200420-PAC-CONF-RevReq-23IRP-Gas Conversion-Case-20230220-1 (C).xlsx  
200420-PAC-CONF-RevReq-23IRP-SCR-Case-20221025-1 (C).xlsx  
200420-PAC-CONF-RevReq-23IRP-SNCR-Case-20221025-1 (C).xlsx  
200420-PAC-CONF-Scenario Master-BaseCase 2023 IRP Base (Inputs CCUS) Revised (C).xlsx  
200420-PAC-CONF-Scenario Master-BaseCase 2023 IRP Base (Inputs Gas Conversion) R (C).xlsx  
200420-PAC-CONF-Scenario Master-BaseCase 2023 IRP Base (Inputs SCR) (C).xlsx  
200420-PAC-CONF-Scenario Master-BaseCase 2023 IRP Base (Inputs SNCR) (C).xlsx  
200420-PAC-CONF-Scenario Master-BaseCase 2023 IRP Base (Inputs)-1-11-23-Colstrip-Update (C).xlsx  
200420-PAC-CONF-Shortfalls - 2023-ST-output-3959 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2023-ST-output-5302 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2023-ST-output-6280 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2023-ST-output-6301 (C).xlsx  
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200420-PAC-CONF-Shortfalls - 2024-ST-output-6302 (C).xlsx

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200420-PAC-CONF-Shortfalls - 2025-ST-output-9674 (C).xlsx  
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200420-PAC-CONF-Shortfalls - 2027-ST-output-6326 (C).xlsx

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200420-PAC-CONF-Shortfalls - 2027-ST-output-6347 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2027-ST-output-6653 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2027-ST-output-6680 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2027-ST-output-6701 (C).xlsx  
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200420-PAC-CONF-Shortfalls - 2027-ST-output-6793 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2027-ST-output-6835 (C).xlsx  
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200420-PAC-CONF-Shortfalls - 2029-ST-output-3965 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2029-ST-output-5308 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2029-ST-output-6286 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2029-ST-output-6307 (C).xlsx  
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200420-PAC-CONF-Shortfalls - 2029-ST-output-6349 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2029-ST-output-6655 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2029-ST-output-6682 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2029-ST-output-6703 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2029-ST-output-6774 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2029-ST-output-6795 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2029-ST-output-6837 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2029-ST-output-7109 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2029-ST-output-9678 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2030-ST-output-3966 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2030-ST-output-5309 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2030-ST-output-6287 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2030-ST-output-6308 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2030-ST-output-6329 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2030-ST-output-6350 (C).xlsx

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200420-PAC-CONF-Shortfalls - 2030-ST-output-6656 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2030-ST-output-6683 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2030-ST-output-6704 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2030-ST-output-6775 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2030-ST-output-6796 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2030-ST-output-6838 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2030-ST-output-7110 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2030-ST-output-9679 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2031-ST-output-3967 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2031-ST-output-5310 (C).xlsx  
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200420-PAC-CONF-Shortfalls - 2033-ST-output-6659 (C).xlsx



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200420-PAC-CONF-Shortfalls - 2033-ST-output-6686 (C).xlsx  
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200420-PAC-CONF-Shortfalls - 2036-ST-output-6689 (C).xlsx

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200420-PAC-CONF-Shortfalls - 2036-ST-output-6710 (C).xlsx  
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200420-PAC-CONF-Shortfalls - 2036-ST-output-6844 (C).xlsx  
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200420-PAC-CONF-Shortfalls - 2039-ST-output-6713 (C).xlsx

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200420-PAC-CONF-Shortfalls - 2039-ST-output-6784 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2039-ST-output-6805 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2039-ST-output-6847 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2039-ST-output-7119 (C).xlsx  
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200420-PAC-CONF-Shortfalls - 2040-ST-output-6785 (C).xlsx  
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200420-PAC-CONF-Shortfalls - 2041-ST-output-9690 (C).xlsx  
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200420-PAC-CONF-Shortfalls - 2042-ST-output-6808 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2042-ST-output-6850 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2042-ST-output-7122 (C).xlsx  
200420-PAC-CONF-Shortfalls - 2042-ST-output-9691 (C).xlsx  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.HH.Gas Replace.10704 (LT. 10304 - 10790) v103.6 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.HH.PP-D3 29.7359 (LT. 7359 - 9387) v100.9 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.HH.PP-No B2H.9647 (LT. 9647 - 10349) v103.4 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.HH.PP-No GWS.9648 (LT. 9648 - 10370) v103.4 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.HH.PP-V2 BG Coal.7367 (LT. 7367 - 10433) v103.4 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.LN.Gas Replace.10704 (LT. 10304 - 10811) v103.6 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.LN.PP-D3 29.7359 (LT. 7359 - 9408) v100.9 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.LN.PP-No B2H.9647 (LT. 9647 - 10496) v103.4 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.LN.PP-No GWS.9648 (LT. 9648 - 10517) v103.4 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.LN.PP-V2 BG Coal.7367 (LT. 7367 - 10580) v103.4 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.DJ2-CCUS.7360 (LT. 7360 - 8362) v97.3 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.DJ4-CCUS.8383 (LT. 8383 - 8389) v97.5 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.Gas Replace.10704 (LT. 10304 - 10769) v103.6 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.JB34-CCUS.8384 (LT. 8849 - 8850) v99.9 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.New Load.11193 (LT. 11193 - 11467) v104.9 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP 1in20LD S03.16860 (LT. 16860 - 16989) v118.4 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP HighLD S01.16858 (LT. 16858 - 16904) v118.4 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP HighPGLD S04.15447 (LT. 15447 - 17053) v118.4 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP LowLD S02.16859 (LT. 16859 - 16946) v118.4 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP LowPGLD S05.17098 (LT. 17098 - 17099) v118.8 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP No D2-D3.8387 (LT. 8387 - 8431) v97.5 (C).xlsb

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200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP.Offshore.WD.8606 (LT. 11951 - 11908) v105.4 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-All Gateway.8848 (LT. 8848 - 9944) v102.3 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-CEP OR SSR.7372 (LT. 7372 - 8713) v98.9 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-Colstrip.7359 (LT. 7359 - 11572) v105.1 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-D3 29 BP S06.16853 (LT. 16853 - 16862) v118.2 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-D3 29.13338 (LT. 13338 - 16514) v117.1 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-D3 29.7359 (LT. 7359 - 8047) v97.3 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-D3 32.8386 (LT. 8386 - 8452) v97.5 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-Max DSM.8847 (LT. 8847 - 9923) v102.3 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-No B2H.9647 (LT. 9647 - 9986) v102.3 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-No GWS.9648 (LT. 9648 - 9965) v102.3 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-NoCoalNoGas-2040.8799 (LT. 8799 - 9902) v102.3 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-ORSSR 50.8839 (LT. 8539 - 8692) v98.9 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-ORSSR ACC.8540 (LT. 8540 - 8671) v98.9 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V1 BG 26 GC.7364 (LT. 7364 - 8194) v97.3 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V18 East Cluster.7365 (LT. 7365 - 11824) v105.3 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V19 West Cluster.7366 (LT. 7366 - 11887) v105.3 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V2 BG Coal.7367 (LT. 7367 - 8607) v97.3 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V3 Hunter 3 SCR.8385 (LT. 8385 - 9062) v100.4 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V4 Huntington 28.7369 (LT. 7369 - 9105) v100.6 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V5 No Nuc-NonE.7370 (LT. 7370 - 8320) v97.3 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V6 No Future Tech.7371 (LT. 7371 - 9041) v100.3 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.MN.PP-D3 29.7359 (LT. 7359 - 9429) v100.9 (C).xlsb

200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1-.EP.SC.PP-D3 29.7359 (LT. 7359 - 9450) v100.9 (C).xlsb

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200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PA1a.EP.MM.WyNoOTR.7359 (LT. 7359 - 9473) v101.2 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PH0-.EP.HH.Base.9557 (LT. 9557 - 9583) v101.8 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PLO-.EP.LN.Base.9560 (LT. 9560 - 9881) v102.3 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PM0-.EP.MN.Base.9646 (LT. 9646 - 9860) v102.3 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PS0-.EP.SC.Base.9558 (LT. 9558 - 9562) v101.8 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PS1-.EP.SC.CETA Max Benefit.11190 (LT. 11190 - 11215) v104.4 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PS1-.EP.SC.CETA No Climate.11191 (LT. 11191 - 11194) v104.4 (C).xlsb  
200420-PAC-CONF-ST Cost Summary -23I.ST.RP.20.PS1-.EP.SC.CETA.10305 (LT. 10305 - 10306) v103.1 (C).xlsb  
200420-PAC-File Mapping and Descriptions.xlsm  
200420-PAC-IRP 2023 Develop Escalation (NREL hard coded) Update 2020ASRFP (C).xlsx  
200420-PAC-LOADS-23IRP-1In20-Plexos (C).csv  
200420-PAC-LOADS-23IRP-20YR-Norm EM-Updated3-7-23 (C).csv  
200420-PAC-LOADS-23IRP-BasePG 022023 EM Update New Load 3GWH (C).csv  
200420-PAC-LOADS-23IRP-BasePG 030223 EM Update (C).csv  
200420-PAC-LOADS-23IRP-BasePG 092022 (C).csv  
200420-PAC-LOADS-23IRP-High-Plexos (C).csv  
200420-PAC-LOADS-23IRP-HPG-Plexos (C).csv  
200420-PAC-LOADS-23IRP-Low-Plexos (C).csv  
200420-PAC-LOADS-23IRP-LPG-Plexos (C).csv  
200420-PAC-SSR Database Summary Tab (C).xlsx  
200420-PAC-Transmission options clean (C).xlsx

The following workpapers are highly confidential in their entirety:

200420-PAC-File Mapping and Descriptions.xlsm  
200420-PAC-HIGHLY CONF Appendix O Support PS0-SC LT 9558 ST 9562 WA-Allocated Initial Targets 2023-2042 (HC)xlsx  
200420-PAC-HIGHLY CONF Appendix O Support PS1-SC-CETA LT 10305 ST 10306 WA-Allocated Interim Targets 2023-2045-3-30-2023 (HC)xlsx  
200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1a.EP.MM.WyNoOTR.7359 (LT. 7359 - 9473) v101.2 (HC)xlsb  
200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.HH.Gas Replace.10704 (LT. 10304 - 10790) v103.6 (HC)xlsb  
200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.HH.PP-D3 29.7359 (LT. 7359 - 9387) v100.9 (HC)xlsb  
200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.HH.PP-No B2H.9647 (LT. 9647 - 10349) v103.4 (HC)xlsb

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200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.HH.PP-No GWS.9648 (LT. 9648 - 10370) v103.4 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.HH.PP-V2 BG Coal.7367 (LT. 7367 - 10433) v103.4 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.LN.Gas Replace.10704 (LT. 10304 - 10811) v103.6 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.LN.PP-D3 29.7359 (LT. 7359 - 9408) v100.9 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.LN.PP-No B2H.9647 (LT. 9647 - 10496) v103.4 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.LN.PP-No GWS.9648 (LT. 9648 - 10517) v103.4 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.LN.PP-V2 BG Coal.7367 (LT. 7367 - 10580) v103.4 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.DJ2-CCUS.7360 (LT. 7360 - 8362) v97.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.DJ4-CCUS.8383 (LT. 8383 - 8389) v97.5 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.Gas Replace.10704 (LT. 10304 - 10769) v103.6 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.JB34-CCUS.8384 (LT. 8849 - 8850) v99.9 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.New Load.11193 (LT. 11193 - 11467) v104.9 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP No D2-D3.8387 (LT. 8387 - 8431) v97.5 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-All Gateway.8848 (LT. 8848 - 9944) v102.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-CEP OR SSR.7372 (LT. 7372 - 8713) v98.9 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-Colstrip.7359 (LT. 7359 - 11572) v105.1 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-D3 29.7359 (LT. 7359 - 8047) v97.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-D3 32.8386 (LT. 8386 - 8452) v97.5 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-Max DSM.8847 (LT. 8847 - 9923) v102.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-No B2H.9647 (LT. 9647 - 9986) v102.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-No GWS.9648 (LT. 9648 - 9965) v102.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-NoCoalNoGas-2040.11953 (LT. 11953 - 11975) v105.9 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-NoCoalNoGas-2040.8799 (LT. 8799 - 9902) v102.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-ORSSR 50.8839 (LT. 8539 - 8692) v98.9 (HC)xlsb

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200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-ORSSR ACC.8540 (LT. 8540 - 8671) v98.9 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V1 BG 26 GC.7364 (LT. 7364 - 8194) v97.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V18 East Cluster.7365 (LT. 7365 - 11824) v105.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V19 West Cluster.7366 (LT. 7366 - 11887) v105.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V2 BG Coal.7367 (LT. 7367 - 8607) v97.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V3 Hunter 3 SCR.8385 (LT. 8385 - 9062) v100.4 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V4 Huntington 28.7369 (LT. 7369 - 9105) v100.6 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V5 No Nuc-NonE.7370 (LT. 7370 - 8320) v97.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-V6 No Future Tech.7371 (LT. 7371 - 9041) v100.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP.Offshore.WD.8606 (LT. 11951 - 11908) v105.4 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MN.PP-D3 29.7359 (LT. 7359 - 9429) v100.9 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.SC.PP-D3 29.7359 (LT. 7359 - 9450) v100.9 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PH0-.EP.HH.Base.9557 (LT. 9557 - 9583) v101.8 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PLO-.EP.LN.Base.9560 (LT. 9560 - 9881) v102.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PM0-.EP.MN.Base.9646 (LT. 9646 - 9860) v102.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PS0-.EP.SC.Base.9558 (LT. 9558 - 9562) v101.8 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PS1-.EP.SC.CETA Max Benefit.11190 (LT. 11190 - 11215) v104.4 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PS1-.EP.SC.CETA No Climate.11191 (LT. 11191 - 11194) v104.4 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PS1-.EP.SC.CETA.10305 (LT. 10305 - 10306) v103.1 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.HH.PP-D3 29.7359 (LT. 7359 - 9387) v100.9 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.LN.PP-D3 29.7359 (LT. 7359 - 9408) v100.9 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-D3 29.7359 (LT. 7359 - 8047) v97.3 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MN.PP-D3 29.7359 (LT. 7359 - 9429) v100.9 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.SC.PP-D3 29.7359 (LT. 7359 - 9450) v100.9 (HC)xlsb



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200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP 1in20LD S03.16860 (LT. 16860 - 16989) v118.4 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP HighLD S01.16858 (LT. 16858 - 16904) v118.4 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP HighPGLD S04.15447 (LT. 15447 - 17053) v118.4 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP LowLD S02.16859 (LT. 16859 - 16946) v118.4 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP LowPGLD S05.17098 (LT. 17098 - 17099) v118.8. (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-D3 29 BP S06.16853 (LT. 16853 - 16862) v118.2 (HC)xlsb

200420-PAC-HIGH CONF ST Cost Summary -23I.ST.RP.20.PA1-.EP.MM.PP-D3 29.13338 (LT. 13338 - 16514) v117.1 (HC)xlsb