

APS System Operation Log

Transmission

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Act, exemptions 4

FOIA- 2004-0307

Monday, June 14, 2004

Time	Type	Entry
23:17	Normal	CHOLLA: C15 CAP BANK COMPRESSOR EXCESSIVE RUN. ADVISED UNIT 1 TO CHECK.
21:20	Normal	PATH 49: IMPERIAL VALLEY - MIGUEL 500KV LINE TAKEN OUT OF SERVICE FOR PLANNED WORK. PATH 49 NOW OPERATING ON GRAPH 5 WITH EOR SCHEDULING LIMIT OF 6532 MW'S.
20:02	Normal	PATH 49: PALO VERDE - DEVERS 500KV LINE RETURNED TO SERVICE. PATH 49 NOW ON GRAPH 1 WITH EOR SCHEDULING LIMIT OF 7550 MW'S. CAISO, GENERATION, BERT PETERS, AND ROCKY MOUNTAIN RELIABILITY COORDINATOR ADVISED.
19:32	Normal	PINNACLE PEAK: 345/230KV T-4 OIL FLOW LOW. ADVISED CRAIG COHEE. @2217 COHEE REPORTS HE FOUND TRIPPED CIRCUIT BREAKER. ALARM CLEAR.
16:51	Normal	DEWEY-ORMES 69KV LINE RELAYED. DW762 AND OM362 TRIPPED. CLOSED DW762 AT 1648. CLOSED OM362 AND MADE PARALLEL. TARGETS: DEWEY B PHASE, ORMES B PHASE AND GROUND. ADVISE OH LINES IN AM.
16:10	Normal	*****AGUA FRIA - GLENDALE 230KV LINE, STATIC FLOATING AT 1/P/E/O 67TH AVE S/S/O GRAND AVE. NO IMMINENT PROBLEM, ADVISE SOHL IN AM. 1300 SOHL ADVISED, THEY ARE WAITING FOR GRAND OVERPASS CONSTRUCTION TO BE COMPLETED BEFORE MAKING REPAIRS.
15:31	Normal	WEST PHOENIX: WP GENERATION IS ABOVE 700MW (AT 715MW). ADVISED MDH LMS (JACK RAMBO) AND SPLIT THE 69KV BUS (OPENED WP1562). ALSO SPLIT THE 230KV BUS (OPENED WP122 AND WP322). AT 1611: ADVISED MDH LMS AND RESTORED THE 230KV BUS CONFIGURATION AND THE 69KV BUS TO NORMAL.
15:01	Normal	CACTUS - CRAIG CHANGED N2 BOTTLE ON T-6 AND ALARM IS CLEAR.
14:42	Normal	CHOLLA: CH3B31 T-2 N2 ALARM. ADVISED MIKE COLE TO CHECK.
12:47	Normal	CHOLLA-SAGUARO 500KV LINE SERIES COMP INSERTED AFTER REPAIRS MADE. PATH 22 REMAINS ON GRAPH 414. WECC MESSAGE SENT.
08:44	Normal	WICKENBURG - WHITE SPAR 69KV LINE; WB962 TRIPPED ON OVERLOAD. (AT 08:43 FEEDER BREAKER WB1442 TRIPPED.) SURPRISE - MORRISTOWN - WICKENBURG SOURCE WAS LOST AT 07:41. OUTAGE TO WICKENBURG AND FLYING "E". AT 08:56 CLOSED FLYING "E" (NORMAL OPEN) FE362 RESTORING FLYING "E" AND WICKENBURG FROM EAGLE EYE. AT 08:57 CLOSED WB962 IN PARALLEL. AT 08:58 CLOSED FEEDER BREAKER WB1442. AT 08:50 SURPRISE - MORRISTOWN SOURCE RESTORED. AT 09:30 OPENED FE363.
08:32	Tomorrow	****MOENKOPI - YAVAPAI 500KV LINE TRIPPED. MK652, MK952, YP252 AND YP952 TRIPPED. LINE RETURNED TO SERVICE AT 08:52. CAUSE UNKNOWN. ADVISE PMAC IN THE MORNING.
08:16	Normal	WETWING - OPENED WW1756 AND WW1652 OPEN ENDING THE WESTWING - PERKINS - MEAD 500KV LINE. 0922 IN CONFERENCE WITH SRP CLOSED WW1756 MAKING PARALLEL. 0923 CLOSED WW1652.
07:50	Normal	RMDSW RELIABILITY MONITOR DIRECTED APS TO SHED 500MW LOAD. ECC INITIATED EMS LOAD SHED CONTROL PROGRAM FOR TOTAL SYSTEM METRO, DESIRED LOAD SHED 500MW. ACTUAL LOAD SHED WAS APPROXIMATELY 7MW WITH PROGRAM AND EMS FRONT END FAILURES. AT 07:53 PROGRAM LOAD SHED TO MONTE CRISTO MCR142 AND SKUNCK CREEK SKC1442. AT 08:10 MANUAL LOAD SHED AT MDH REQUEST TO HIDDEN VALLEY TEMP HVT442. AT 08:24 ECC RESTORED SKC1442. AT 08:31 ECC RESTORED MCR142. AT 09:39 ECC RESTORED HVT442.
07:41	Normal	MOON VALLEY; FEEDER BREAKERS ML142, ML542, ML1042 AND ML1442 TRIPPED VIA

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		UNDERFREQUENCY LOAD SHED ASSIGNMENT. ECC RESTORED ALL MOON VALLEY FEEDERS AT 08:25.
07:41	Normal	SRP'S PALO VERDE - RUDD 500KV LINE TRIPPED. ALL ASSOCIATED BREAKERS AT PALO VERDE AND RUDD RELAYED. LINE RETURNED TO SERVICE AT 08:30.
07:41	Normal	SRP'S PALO VERDE - DEVERS 500KV LINE TRIPPED. ASSOCIATED LINE BREAKERS AT PALO VERDE AND DEVERS RELAYED. RETURN TO SERVICE DELAYED DUE TO VOLTAGE CONCERNS AT PALO VERDE. LINE REACTOR AT PALO VERDE SHOULD BE AVAILABLE AT 18:00.
07:41	Normal	APS' PALO VERDE - WESTWING 500KV LINES #1 AND #2 TRIPPED. APS' WESTWING BREAKERS WW1156, WW1252, WW1456 AND WW1552 RELAYED. SRP'S PALO VERDE BREAKERS PLX912, PLX915, PLX922 AND PLX925 RELAYED. AT 07:41:31 ALL 3 PALO VERDE GENERATORS TRIPPED OFF LINE. LINES #1 AND #2 RETURNED TO SERVICE AT 08:18.
07:41	Normal	SRP'S PALO VERDE - HASSAYAMPA 500KV #1, #2 AND #3 LINES TRIPPED, RELAYING ALL ASSOCIATED LINE BREAKERS AT SRP'S PALO VERDE AND AND HASSAYAMPA SWITCHYARDS. SRP'S HASSAYAMPA - ARLINGTON AND ARLINGTON GENERATORS TRIPPED WITH THIS EVENT. ALL THREE PALO VERDE - HASSAYAMPA LINES RETURNED TO SERVICE AT 08:11. HASSAYAMPA - ARLINGTON RETURNED TO SERVICE AT 08:11.
07:41	Normal	WESTWING 69KV SOURCE LOST. THE FOLLOWING 69KV BREAKERS TRIPPED DE-ENERGIZING THE WESTWING 69KV SWITCHYARD, MCMICKEN, PATTON AND HAPPY VALLEY TEMP 69/12KV SUBS: WESTWING WW862 (MCM LINE), HEDGEPEETH HILLS HH762 (WW LINE), WESTBROOK WK362 (WW LINE), RIO VISTA RIV762 (WW LINE), SC562 AND MQ562 (SURPRISE - MCMICKEN - MORRISTOWN 69KV LINES). WESTWING 69KV BUS RESTORED AT 08:55. SC562 CLOSED AT 08:50, RESTORING POWER TO MCMICKEN AND PATTON. MQ562 CLOSED AT 08:51 IN PARALLEL. RIV762 CLOSED AT 09:06. HH762 CLOSED AT 09:17. WK362 CLOSED AT 10:10. WW862 CLOSED IN PARALLEL AT 10:12.
07:41	Normal	WAPA'S PERKINS - MEAD 500KV LINE; PERKINS 500KV CAP BANK BYPASSED. PSX832 BREAKER CLOSED AUTO. CAP BANK RESTORED AT 09:30.
07:41	Normal	WESTWING; 230KV REACTOR WW424J TRIPPED ON LOSS OF VOLTAGE. NO LOCKOUT PICKED UP.
07:41	Normal	WESTWING 230/69KV T-11 TRIPPED. WW2026, WW2122, WW962 AND WW1362 RELAYED VIA THE "AK" LOCKOUT. T-11 RETURNED TO SERVICE AT 10:11.
07:41	Normal	WAPA'S WESTWING - RACEWAY AND WADDELL - RACEWAY 230KV LINES OPEN ENDED AT WAPA'S RACEWAY. RWYX482, RWYX582 AND RWYX782 RELAYED. AT 08:18 ECC OPENED WW1622 DE-ENERGIZING LINE TO RACEWAY. WW1726 RELAYED PREVIOUSLY WHEN DEER VALLEY 230KV LINE TRIPPED. WESTWING - RACEWAY RETURNED TO SERVICE AT 08:52. RACEWAY APS/WAPA 230KV TIE RESTORED AT 09:59.
07:41	Normal	WAPA'S WESTWING - PINNACLE PEAK 230KV LINE TRIPPED. WW1222 AND WW1126 RELAYED. WAPA'S BREAKER PPX2982 DID NOT TRIP LEAVING LINE ENERGIZED BUT OPEN ENDED AT WESTWING. LINE RESTORED AT 10:03.
07:41	Normal	WESTWING - DEER VALLEY 230KV LINE TRIPPED. WW1822, WW1726, DV322, DV722 AND DV962 RELAYED. LINE RESTORED AT 08:57.
07:41	Normal	WESTWING - YAVAPAI 500KV LINE TRIPPED. WW856, WW952, YP452 AND YP852 RELAYED. LINE RETURNED TO SERVICE AT 08:21.
07:41	Normal	WESTWING - NAVAJO 500KV LINE TRIPPED. WW556, WW652, NV1052 AND NV1156 RELAYED. LINE RETURNED TO SERVICE AT 08:23.
07:41	Normal	TEP'S WESTWING - SOUTH 345KV LINE TRIPPED. WW752, WW856 RELAYED. TEP'S 311C AND 322C BREAKERS RELAYED. LINE RETURNED TO SERVICE AT 09:16.
07:41	Normal	WESTWING - SURPRISE 230KV LINE OPEN ENDED AND SURPRISE 230/69KV T-4 TRIPPED VIA THE "L" LOCKOUT. SC922, SC1322, SC622 AND SC262 RELAYED. AT 08:07 ECC OPENED WW526 AND WW622. SURPRISE T-4 RESTORED AT 10:09. WESTWING - SURPRISE LINE RESTORED AT 10:09.
07:41	Normal	WAPA'S WESTWING - LIBERTY 230KV LINE TRIPPED. APS' WESTWING WW1126 RELAYED. WW1022 FAILED TO INTERRUPT. WAPA'S LIBERTY LBX1282 RELAYED. LINE SWITCHED OUT FOR CLEARANCE TO REPAIR LINE AND REPLACE BREAKER WW1022

		BREAKER AND REPLACE DISCONNECT WW1023.
07:41	Normal	SRP'S WESTWING - AGUA FRIA 230KV LINE TRIPPED. WW1522 AND WW1426 RELAYED. SRP'S 732 AND 735 BREAKERS RELAYED. LINE SWITCHED OUT FOR CLEARANCE FOR REPAIR.
07:40	Normal	WAPA'S WESTWING - LIBERTY AND SRP'S WESTWING - AGUA FRIA 230KV LINES TRIPPED DUE TO LINE FAULTS BETWEEN WAPA/SRP TOWERS 73 TO 91. PHASE AND STATIC ARE REPORTED DOWN. APS' WESTWING 230KV LIBERTY LINE BREAKER WW1022 FAILED TO INTERRUPT FAULT. WW1022 BREAKER FAILURE SCHEME/LOCKOUT FAILED RESULTING IN A MAJOR SYSTEM DISTURBANCE THAT TRIPPED OFF LINE ALL THREE PALO VERDE GENERATORS ALONG WITH REDHAWK UNITS 1 AND 2. SRP REPORTS THAT THEY LOST THE HASSAYAMPA - ARLINGTON 500KV LINE WITH ARLINGTON GENERATORS TRIPPING AND THE HASSAYAMPA - PALO VERDE 1,2 AND 3 500KV LINES. THE FOLLOWING APS LINE AND TRANSFORMER OUTAGE RESULTED FROM THIS DISTURBANCE. SYSTEM FREQUENCY EXCURSION TO 59.61HZ AND RECOVERED TO 60HZ IN 14 MINUTES. SEVERE VOLTAGE EXCURSIONS CAUSED MOTOR
06:09	Normal	WESTWING: PAUL CHANGED N2 BOTTLE ON T-7 AND ALARM IS CLEAR.
05:43	Normal	EOS (THORSEN) CHECKED IN.
04:30	Normal	ROCKY MOUNTAIN DESERT SOUTHWEST SECURITY COORDINATOR MORNING CONFERENCE CALL COMPLETED.
04:30	Normal	WESTWING: 500KV Y2 REACTOR OIL TEMP HIGH ALARM CLEARED.
00:01	Normal	EHV SYSTEM STATUS: PATH 49 OPERATING ON GRAPH 1 WITH EOR SCHEDULING LIMIT OF 7550 MW'S. PATH 22 ON GRAPH 414.

800 MW for California.
Spinning Reserve - 100 - 120 MW.

Portions Ex 4

APS System Operation Log Generation

Monday, June 14, 2004

Time	Type	Entry
22:46	Normal	SRP requests 25MW curtailment of their FC entitlement.
22:45	Normal	West Phoenix CC #2 taken off line. Resource Operations advised.
22:43	Normal	West Phoenix CC #4 taken off line. Resource Operations advised.
22:43	Normal	PNM request their full FC entitlement across the ramp.(Increase 50MW)
22:38	Normal	Yucca GT #3 taken off line. Resource Operations advised.
22:12	Normal	Redhawk CT2A taken off line. Resource Operations advised.
22:08	Normal	PNM request 50MW curtailment of their FC entitlement.
21:50	Normal	West Phoenix CC #3 taken off line. Resource Operations advised.
21:39	Normal	Ocotillo ST #2 taken off line. Resource Operations advised.
21:05	Normal	Four Corners Unit 1 advises that they believe they have solved the Stator Cooling Oil problem and are going to begin power ascension to full output. Resource operations advised.
20:33	Normal	Saguaro ST #1 taken off line. Resource Operations advised.
20:02	Normal	The Palo Verde - Devers 500kV line is back in service.
19:50	Normal	Yucca GT #1 taken off line. Resource Operations advised. Unit was on line because PV to N. Gila rights are restricted to 53MW and wheel trough WAPA maxed out at 130MW. Unit was not needed for nomogram support.
18:38	Normal	Saguaro ST #2 taken off line. Resource Operations advised.
18:27	Normal	Saguaro CT #3 taken off line. Resource Operations advised.
18:13	Normal	Yucca GT #2 taken off line. Resource Operations advised. Unit was on line because PV to N. Gila rights are restricted to 53MW and wheel trough WAPA maxed out at 130MW. Unit was not needed for nomogram support.
17:44	Normal	Ocotillo GT #1 taken off line. Resource Operations advised.
17:38	Normal	Increased reported SRSG non-spinning reserve by 4 MW for HE 1700 to meet requirements in SRSG Actual Data Input only.
17:34	Normal	Yucca GT #4 taken off line. Resource Operations advised. Unit was on line because PV to N. Gila rights are restricted to 53MW and wheel trough WAPA maxed out at 130MW. Unit was not needed for nomogram support.
16:45	Normal	Ocotillo steam # 2 on line.
16:09	Normal	Saguaro steam # 1 on line.
16:04	Normal	Saguaro steam # 2 on line.
15:43	Normal	Ocotillo # 1 G.T. on line.
15:28	Normal	Yucca G.T. # 4 on line.
13:07	Normal	Four Corners # 1 on line.
12:39	Normal	Ocotillo G.T. # 1 off line.
12:38	Normal	Saguaro G.T. # 1 off line.
12:17	Normal	West Phoenix G.T. # 1 off line.
12:07	Normal	Saguaro G.T. # 2 off line.

11:58	Normal	Yca Cogen on line.
11:57	Normal	West Phoenix G.T. # 2 off line.
11:06	Normal	Fairview G.T. off line.
10:56	Normal	Yucca G.T. # 4 off line.
10:36	Normal	Four Corners # 1 tripped off line, srsg message sent.
10:32	Normal	West Phoenix cc # 1 off line, srsg message sent, unit ramp off line.
10:19	Normal	West Phoenix # 1 cc coming off line, unit is smoking.
10:16	Normal	Redhawk # 2 CTB on line.
09:59	Normal	Redhawk # 1 CTB on line.
09:48	Normal	West Phoenix cc # 3 on line.
09:47	Normal	West Phoenix cc 4 ,steam side on line.
09:47	Normal	Requested SRP to increase APS Navajo part. to full.
09:24	Normal	West Phoenix cc # 2 on line.
09:08	Normal	Requested SRP to curtail APS Navajo part. 75 mws.
09:07	Normal	Redhawk # 1 steam on line.
09:04	Normal	West Phoenix cc # 1 on line.
09:00	Normal	Redhawk # 2 steam on line.
08:57	Normal	West Phoenix cc # 4 on line.
08:50	Normal	Redhawk # 2 CTA on line.
08:43	Normal	Redhawk # 2 CTA off line.
08:43	Normal	Fairview G.T. on line.
08:42	Normal	Redhawk # 1 CTA on line.
08:41	Normal	Redhawk # 2 CTA on line.
08:35	Normal	Redhawk # 2 CTA tripped off line 75 mws.
08:35	Normal	Redhawk # 1 CTA tripped off line.
08:25	Normal	West Phoenix # 1 G.T. on line.
08:21	Normal	Redhawk #1 CTA on line.
08:21	Normal	Redhawk # 2 CTA on line.
08:19	Normal	Saguaro # 2 G.T. on line.
08:19	Normal	Ocotillo # 2 G.T. on line.
08:15	Normal	Duke unable to supply srsg assistance due no generation on line (16 mws).
08:14	Normal	Saguaro # 1 G.T. on line.
08:13	Normal	West Phoenix # 2 G.T. on line.
08:10	Normal	Yucca steam on line (IID).
08:05	Normal	Ocoitllo # 1 G.T. on line.
08:03	Normal	Saguaro # 3 G.T. on line.
07:57	Normal	West Phoenix # 5 CTB on line.
07:51	Normal	Yucca # 2 G.T. on line.
07:50	Normal	Yucca # 1 G.T. on line.
07:49	Normal	Yucca G.T. # 4 on line.
07:49	Normal	Yucca # 3 G.T. on line.

07:41	Normal	Palo Verde # 1 tripped, srsg message sent.
07:41	Normal	Palo Verde # 2 tripped.
07:41	Normal	Palo Verde # 3 tripped.
07:41	Normal	Redhawk # 1 CTA and Steam tripped off line, srsg message sent.
07:41	Normal	Redhawk # 2 CTA tripped off line, srsg message sent.
07:37	Normal	Sce requests to curtail 35 mws of Four Corners part. due to path # 66.
07:36	Normal	Epe requests 25 mws of Four Corners part. across the hour.
07:14	Normal	Requested SRP to increase APS Navajo part. to full.
07:02	Normal	Redhawk # 2 CTA on line.
06:45	Normal	Four Corners # 1 holding at 147 mws mill problems on " B " mill (etr 30 minutes).
06:38	Normal	Requested SRP to increase APS Navajo part. 75 mws.
05:50	Normal	Requested SRP to curtail 100mws of our share of Navajo. (Curtailed 150mws)
03:04	Normal	Received several CPS 2 violations due to covering sales at Navajo and working on getting mills off at Cholla.
02:50	Normal	Requested SRP raise our share of Navajo 50mws. (Curtailed 50mws)
02:02	Normal	Requested SRP to curtail 100mws of our share of Navajo.
00:38	Normal	Redhawk ST #2 off line. Resource Operations advised.
00:38	Normal	Four Corners ST #1 on line. Resource Operations advised.
00:35	Normal	Redhawk CT 2A off line. Resource Operations advised.
00:07	Must Run	Yucca GT #3 taken off-line, no longer required for Yuma area support per Yuma Area Nomogram dated 1/23/2002. Resource Operations advised.
00:01	Normal	THE FOLLOWING INFORMATION IS FOR INTERNAL USE ONLY - NOT FOR DISTRIBUTION TO NEWS MEDIA OR ANY OUTSIDE ENTITY.
00:01	Units Online	UNITS ONLINE: Cholla Unit 1, Cholla Unit 2, Cholla Unit 3, Four Corners APS Unit 2, Four Corners APS Unit 3, Four Corners APS Unit 4, Four Corners APS Unit 5, Navajo APS Unit 1, Navajo APS Unit 2, Navajo APS Unit 3, Palo Verde APS Unit 1, Palo Verde APS Unit 2, Palo Verde APS Unit 3, Yucca Turbine Unit 3

Ex 4

Portions Ex 4

APS System Operation Log Scheduling

Monday, June 14, 2004

Time	Type	Entry
23:20	Hourly	HOURLY SCHEDULING: HE 0000 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 868/-140 VALENZUELA, ROBERT; GRMA -90 GUIDRY, RANDY; IID 0 DAVID, RALPH; LDW 966 RUSSO, EDDIE; PAC -686 MORTENSON, DAVE; PNM 395 OLINGER, DEBORAH; SRP - 1277 BARRETT, JEAN; TEP -95 FULTON, JIM; WAL 27/431 SHULL, HELLA;
22:33	Normal	CISO has terminated the PATH 66 USF Procedure.
22:04	Hourly	HOURLY SCHEDULING: HE 2200 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 786/-88 VALENZUELA, ROBERT; GRMA -150 GUIDRY, RANDY; IID 0 DAVID, RALPH; LDW 887 RUSSO, EDDIE; PAC -631 MORTENSON, DAVE; PNM 504* OLINGER, DEBORAH; SRP - 1310* BARRETT, JEAN; TEP -25* FULTON, JIM; WAL 50/551* SHULL, HELLA;*-off unknown amounts due to no E-W number from EPE, and Palo Verde outage.
21:55	Hourly	HOURLY SCHEDULING: HE 2100 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 761/-1 VALENZUELA, ROBERT; GRMA -225 GUIDRY, RANDY; IID 0 DAVID, RALPH; LDW 887 RUSSO, EDDIE; PAC -757 MORTENSON, DAVE; PNM 697* OLINGER, DEBORAH; SRP - 1801* BARRETT, JEAN; TEP 35* FULTON, JIM; WAL 53/564* SHULL, HELLA;*-off unknown amounts due to no E-W number from EPE, and Palo Verde outage.
21:24	Normal	Effective 2200 MST, CISO is invoking STEP 3 of the PATH 66 USF Procedure.
20:41	Hourly	HOURLY SCHEDULING: HE 2000 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 623/-2 VALENZUELA, ROBERT; GRMA -200 GUIDRY, RANDY; IID 0 DAVID, RALPH; LDW 882 RUSSO, EDDIE; PAC -684 MORTENSON, DAVE; PNM 690* OLINGER, DEBORAH; SRP - 1645* BARRETT, JEAN; TEP -16* FULTON, JIM; WAL 104/567* SHULL, HELLA;*-off unknown amounts due to no E-W number from EPE, and Palo Verde outage.
19:30	Normal	Effective 2000 MST, CISO is invoking STEP 4 LEVEL 1 of the PATH 66 USF Procedure. Tag 8PS000 was subsequently curtailed 75MW to accomodate APS contribution.
19:28	Hourly	HOURLY SCHEDULING: HE 1900 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 553/0 VALENZUELA, ROBERT; GRMA -200 GUIDRY, RANDY; IID 0 DAVID, RALPH; LDW 884 RUSSO, EDDIE; PAC -802 MORTENSON, DAVE; PNM 689* OLINGER, DEBORAH; SRP - 1613* BARRETT, JEAN; TEP -4* FULTON, JIM; WAL 79/547* SHULL, HELLA;
18:27	Normal	Effective 1900 MST, CISO is invoking STEP 9 LEVEL 4 of the PATH 66 USF Procedure. Tag 8PS000 was subsequently curtailed 150MW to accomodate APS contribution.
18:21	Hourly	HOURLY SCHEDULING: HE 1800 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 525/0 VALENZUELA, ROBERT; GRMA -200 GUIDRY, RANDY; IID 0 DAVID, RALPH; LDW 734 RUSSO, EDDIE; PAC -729 MORTENSON, DAVE; PNM 642* OLINGER, DEBORAH; SRP - 1638* BARRETT, JEAN; TEP 168* FULTON, JIM; WAL 27/486 SHULL, HELLA;*-off unknown amounts due to no E-W number from EPE, and Palo Verde outage.
17:20	Hourly	HOURLY SCHEDULING: HE 1700 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 600/1 STANCOVICH, SERGIO; GRMA -200 JONES, DAVID; IID 0 RUIZ, STEVE; LDW 660 RIVERA, GEORGE; PAC -772 PLEGER, DERRICK; PNM 694* SERNA, MELVIN; SRP -1649* GLOVER, MIKE; TEP 156* RUCKER, BILL; WAL 31/516* MOSER, BOB;*-off unknown amounts due to no E-W number from EPE, and Palo Verde outage.
16:30	Hourly	HOURLY SCHEDULING: HE 1600 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 551/1 STANCOVICH, SERGIO; GRMA -300 JONES, DAVID; IID 0 RUIZ, STEVE; LDW 882 RIVERA, GEORGE; PAC -642 PLEGER, DERRICK; PNM 675* SERNA, MELVIN; SRP -1819* GLOVER, MIKE; TEP 193* RUCKER, BILL; WAL 9/514* MOSER, BOB; *-off unknown amounts due to no E-W number from EPE, and Palo Verde outage.
15:30	Hourly	HOURLY SCHEDULING: HE 1600 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 781/1 STANCOVICH, SERGIO; GRMA -300 JONES, DAVID; IID 0 RUIZ, STEVE; LDW 957

		RIVERA, GEORGE; PAC -772 PLEGER, DERRICK; PNM 698* SERNA, MELVIN; SRP -1691* GLOVER, MIKE; TEP 67* RUCKER, BILL; WAL 9/352* MOSER, BOB; *-off unknown amounts due to no E-W number from EPE, and Palo Verde outage.
14:30	Hourly	HOURLY SCHEDULING: HE 1600 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 607/0 STANCOVICH, SERGIO; GRMA -300 JONES, DAVID; IID 0 RUIZ, STEVE; LDW 957 RIVERA, GEORGE; PAC -786 PLEGER, DERRICK; PNM 872* SERNA, MELVIN; SRP -1783* GLOVER, MIKE; TEP 20* RUCKER, BILL; WAL 7/431* MOSER, BOB; *-off unknown amounts due to no E-W number from EPE, and Palo Verde outage.
14:09	Unscheduled Flow Plan	UMFP for Path 66 issued @ step 3. Resource Operations advised.
13:30	Hourly	HOURLY SCHEDULING: HE 1600 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 556/-26 STANCOVICH, SERGIO; GRMA -200 JONES, DAVID; IID 0 RUIZ, STEVE; LDW 957 RIVERA, GEORGE; PAC -699 PLEGER, DERRICK; PNM 729* SERNA, MELVIN; SRP -1641* GLOVER, MIKE; TEP 22* RUCKER, BILL; WAL 8/581* MOSER, BOB; *-off unknown amounts due to no E-W number from EPE, and Palo Verde outage.
12:30	Hourly	HOURLY SCHEDULING: HE 1600 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 586/-53 STANCOVICH, SERGIO; GRMA -150 JONES, DAVID; IID 0 RUIZ, STEVE; LDW 959 RIVERA, GEORGE; PAC -709 PLEGER, DERRICK; PNM 883* SERNA, MELVIN; SRP -1668* GLOVER, MIKE; TEP 88* RUCKER, BILL; WAL 8/766* MOSER, BOB; *-off unknown amounts due to no E-W number from EPE, and Palo Verde outage.
11:30	Hourly	HOURLY SCHEDULING: HE 1600 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 651/-53 STANCOVICH, SERGIO; GRMA -150 JONES, DAVID; IID 0 RUIZ, STEVE; LDW 959 RIVERA, GEORGE; PAC -617 PLEGER, DERRICK; PNM 812* SERNA, MELVIN; SRP -1825* GLOVER, MIKE; TEP 90* RUCKER, BILL; WAL 8/923 MOSER, BOB; *-off unknown amounts due to no E-W number from EPE, and Palo Verde outage.
10:30	Hourly	HOURLY SCHEDULING: HE 1600 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 717/-53 STANCOVICH, SERGIO; GRMA -150 JONES, DAVID; IID 0 RUIZ, STEVE; LDW 660 RIVERA, GEORGE; PAC -721 PLEGER, DERRICK; PNM 785* SERNA, MELVIN; SRP -2585* GLOVER, MIKE; TEP 84* RUCKER, BILL; WAL 10/1090* MOSER, BOB; *-off unknown amounts due to no E-W number from EPE, and Palo Verde outage.
10:13	Unscheduled Flow Plan	UMFP for Path 66 terminated. Resource Operations advised.
09:30	Hourly	HOURLY SCHEDULING: HE 1600 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 692/-140 STANCOVICH, SERGIO; GRMA -185 JONES, DAVID; IID 0 RUIZ, STEVE; LDW 804 RIVERA, GEORGE; PAC -711 PLEGER, DERRICK; PNM 558 SERNA, MELVIN; SRP -2349 GLOVER, MIKE; TEP 32 RUCKER, BILL; WAL 6/1080 MOSER, BOB; *-off unknown amounts due to no E-W number from EPE, and Palo Verde outage.
09:24	Unscheduled Flow Plan	UMFP for Path 66 reissued @ step 9. Resource Operations advised.
08:30	Hourly	HOURLY SCHEDULING: HE 1600 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 727/-140 STANCOVICH, SERGIO; GRMA -100 JONES, DAVID; IID 0 RUIZ, STEVE; LDW 983 RIVERA, GEORGE; PAC -725 PLEGER, DERRICK; PNM 692* SERNA, MELVIN; SRP 52* GLOVER, MIKE; TEP -2* RUCKER, BILL; WAL -96/1071* MOSER, BOB; *-off unknown amounts due to no E-W number from EPE, and Palo Verde outage.
08:25	Unscheduled Flow Plan	UMFP for Path 66 reissued @ step 9. Resource Operations advised.
07:20	Unscheduled Flow Plan	UFRP for Path 66 has been issued @ step 9. Resource Operations advised.
07:11	Hourly	HOURLY SCHEDULING: HE 0700 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 736/-140 STANCOVICH, SERGIO; GRMA -100 JONES, DAVID; IID 0 RUIZ, STEVE; LDW 1032 RIVERA, GEORGE; PAC -475 PLEGER, DERRICK; PNM 565 SERNA, MELVIN; SRP 820 GLOVER, MIKE; TEP 182 RUCKER, BILL; WAL -95/1091 MOSER, BOB;
06:21	Unscheduled Flow Plan	UFRP issued for Path 66 starting at step 3 (coordinated operation of qualified phase shifters). Resource Operations advised.
06:12	Hourly	HOURLY SCHEDULING: HE 0600 CHECKED OUT WITH THE FOLLOWING AREAS: CISO

		811/-140 STANCOVICH, SERGIO; GRMA 10 JONES, DAVID; IID 0 RUIZ, STEVE; LDW 1362 RIVERA, GEORGE; PAC -436 PLEGER, DERRICK; PNM 481 SERNA, MELVIN; SRP 723 GLOVER, MIKE; TEP 117 RUCKER, BILL; WAL -109/819 MOSER, BOB;
05:15	Hourly	HOURLY SCHEDULING: HE 0500 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 819/-140 SINDAYEN, ARMI; GRMA 10 JONES, DAVID; IID 0 COBLIEGH, ROY; LDW 1372 RIVERA, GEORGE; PAC -361 DOWNEY, SCOTT; PNM 378 SERNA, MELVIN; SRP 673 COVENTRY, GREG; TEP 148 RUCKER, BILL; WAL -74/853 GERREAD, ROB;
04:13	Hourly	HOURLY SCHEDULING: HE 0400 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 815/-140 SINDAYEN, ARMI; GRMA 31 JONES, DAVID; IID 0 COBLIEGH, ROY; LDW 1310 RIVERA, GEORGE; PAC -360 DOWNEY, SCOTT; PNM 376 OLINGER, DEBORAH; SRP 763 COVENTRY, GREG; TEP 131 RUCKER, BILL; WAL -74/792 GERREAD, ROB;
03:12	Hourly	HOURLY SCHEDULING: HE 0300 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 816/-140 SINDAYEN, ARMI; GRMA 32 JONES, DAVID; IID 0 COBLIEGH, ROY; LDW 1259 RIVERA, GEORGE; PAC -358 DOWNEY, SCOTT; PNM 398 OLINGER, DEBORAH; SRP 805 COVENTRY, GREG; TEP 118 RUCKER, BILL; WAL -72/799 GERREAD, ROB;
02:49	Normal	Completed day total checks. We match with all companies.
02:11	Hourly	HOURLY SCHEDULING: HE 0200 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 815/-140 SINDAYEN, ARMI; GRMA 32 GUIDRY, RANDY; IID 0 COBLIEGH, ROY; LDW 1357 RIVERA, GEORGE; PAC -360 DOWNEY, SCOTT; PNM 374 OLINGER, DEBORAH; SRP 712 COVENTRY, GREG; TEP 125 RUCKER, BILL; WAL -72/809 GERREAD, ROB;
01:13	Hourly	HOURLY SCHEDULING: HE 0100 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 814/-140 SINDAYEN, ARMI; GRMA 28 GUIDRY, RANDY; IID 0 COBLIEGH, ROY; LDW 1332 RIVERA, GEORGE; PAC -435 DOWNEY, SCOTT; PNM 395 OLINGER, DEBORAH; SRP 697 COVENTRY, GREG; TEP 163 RUCKER, BILL; WAL -102/805 GERREAD, ROB;
00:16	Hourly	HOURLY SCHEDULING: HE 0000 CHECKED OUT WITH THE FOLLOWING AREAS: CISO 816/-140 SINDAYEN, ARMI; GRMA -40 GUIDRY, RANDY; IID 0 COBLIEGH, ROY; LDW 1119 RIVERA, GEORGE; PAC -510 DOWNEY, SCOTT; PNM 538 OLINGER, DEBORAH; SRP 849 COVENTRY, GREG; TEP 137 RUCKER, BILL; WAL -111/851 GERREAD, ROB;
00:01	Normal	CHOLLA UNIT #4 ON LINE.
00:01	RTU Status	NTUA Gray Mtn In; NTUA Indian Wells In;