CALPINE - METCALF ENERGY CENTER

ELECTRICAL DRAWING SCHEDULE

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
E1276	E221	ENEE6080	480V SWGR BUS SG-003A FDR BKR TO HRSG MCC032A ELEMENTARY DIAG	03/05/02	01/28/02 1 A	04/29/02	04/25/02 1 A	11/19/02	06/28/02 1 A	01/06/03	-	03/06/03	-	A	70%
E1277	E221	ENEE6080	480V SWGR BUS SG-003A FDR BKR TO HRSG MCC 032A CONNECTION DIAG	03/05/02	01/28/02 1 A	04/29/02	04/25/02 1 A	11/19/02	-	01/06/03	-	03/06/03	-		50%
E1278	E221	ENEE6080	480V SWGR BUS SG-003A FDR BKR TO WTR TREAT MCC 031A ELEMENTARY DIAG	03/05/02	01/28/02 1 A	04/29/02	04/25/02 1 A	11/19/02	06/28/02 1 A	01/06/03	-	03/06/03	-	A	70%
E1279	E221	ENEE6080	480V SWGR BUS SG-003A FDR BKR TO WTR TREAT MCC 031A CONNECTION DIAG	03/05/02	01/28/02 1 A	04/29/02	04/25/02 1 A	11/19/02	-	01/06/03	-	03/06/03	-		50%
					-		-		-		-		-		
			480V SWGR BUS 003B		-		-		-		-		-		
E1290	E221	ENEE6080	480V SWITCHGEAR BUS 01-00-ELA-SG-003B MAIN BREAKER ELEMENTARY DIAGRAM	03/05/02	01/28/02 1 A	04/29/02	04/25/02 1 A	11/19/02	06/28/02 1 A	01/06/03	-	03/06/03	-	A	70%
E1291	E221	ENEE6080	480V SWITCHGEAR BUS 01-00-ELA-SG-003B MAIN BREAKER CONNECTION DIAGRAM	03/05/02	01/28/02 1 A	04/29/02	04/25/02 1 A	11/19/02	-	01/06/03	-	03/06/03	-		50%
E1292	E221	ENEE6080	480V SWGR BUS SG-003B FDR BKR TO WATER TREAT MCC MC-031B ELEMENTARY DIAG	03/05/02	01/28/02 1 A	04/29/02	04/25/02 1 A	11/19/02	06/28/02 1 A	01/06/03	-	03/06/03	-	A	70%
E1293	E221	ENEE6080	480V SWGR BUS SG-003B FDR BKR TO WATER TREAT MCC MC-031B CONNECTION DIAG	03/05/02	01/28/02 1 A	04/29/02	04/25/02 1 A	11/19/02	-	01/06/03	-	03/06/03	-		50%
E1294	E221	ENEE6080	480V SWGR BUS SG-003B FDR BKR TO HRSG MCC 032B ELEMENTARY DIAG	03/05/02	01/28/02 1 A	04/29/02	04/25/02 1 A	11/19/02	06/28/02 1 A	01/06/03	-	03/06/03	-	A	70%
E1295	E221	ENEE6080	480V SWGR BUS SG-003B FDR BKR TO HRSG MCC 032B CONNECTION DIAG	03/05/02	01/28/02 1 A	04/29/02	04/25/02 1 A	11/19/02	-	01/06/03	-	03/06/03	-		50%
E1296	E221	ENEE6080	480V SWGR BUS SG-003B FDR BKR TO ELECTRIC FIRE PUMP ELEMENTARY DIAG	03/05/02	01/28/02 1 A	04/29/02	04/25/02 1 A	11/19/02	06/28/02 1 A	01/06/03	-	03/06/03	-	A	70%
E1297	E221	ENEE6080	480V SWGR BUS SG-003B FDR BKR TO ELECTRIC FIRE PUMP CONNECTION DIAG	03/05/02	01/28/02 1 A	04/29/02	04/25/02 1 A	11/19/02	-	01/06/03	-	03/06/03	-		50%
					-		-		-		-		-		
			HRSG #1 MCC		-		-		-		-		-		
E1310	E222	ENEE6705	HRSG #1 480V MCC MOV 1 SHP-HV-1731 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1311	E222	ENEE6705	HRSG #1 480V MCC MOV1 SHP-HV-1730 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1312	E222	ENEE6705	HRSG #1 480V MCC MOV 1-SHP-HV-1738 ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1313	E222	ENEE6705	HRSG #1 480V MCC MOV 1-SHP-HV-1735 ELEMENTARY DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1314	E222	ENEE6705	HRSG #1 480V MCC MOV 1-SIP-HV-1749 ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1315	E222	ENEE6705	HRSG #1 480V MCC MOV 1-SIP-HV-1748B ELEMENTARY DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1316	E222	ENEE6705	HRSG #1 480V MCC MOV1-SIP-HV-1748A ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1317	E222	ENEE6705	HRSG #1 480V MCC MOV 1 SSH-HV-1760 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1318	E222	ENEE6705	HRSG #1 480V MCC MOV 1 SLP-HV-1796B ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1319	E222	ENEE6705	HRSG #1 480V MCC MOV 1-SLP-HV-1805 ELEMENTARY DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1320	E222	ENEE6705	HRSG #1 480V MCC MOV 1-SSH-HV-1778 ELEMENTARY DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1321	E222	ENEE6705	HRSG #1 480V MCC MOV 1-SSH-HV-1779 ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1322	E222	ENEE6705	HRSG #1 480V MCC MOV 1-SHP-HV-1715B ELEMENTARY DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1323	E222	ENEE6705	HRSG #1 480V MCC 1-BFP-PP-102A ELEM DIA	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1324	E222	ENEE6705	HRSG #1 480V MCC 1-BFP-PP-101A ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1325	E222	ENEE6705	HRSG #1 480V MCC 1-BBS-PP-001A ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1326	E222	ENEE6705	HRSG #1 480V MCC 1-BBS-PP-001A ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%

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E1327	E222	ENEE6705	HRSG #1 480V MCC BURNER MNGT SYS COOLING AIR BLOWER #1 ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1328	E222	ENEE6705	HRSG #1 480V MCC BURNER MNGT SYS COOLING AIR BLOWER #2 ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1329	E222	ENEE6705	HRSG #1 480V MCC AMMONIA SYS FAN #1 ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1330	E222	ENEE6705	HRSG #1 480V MCC AMMONIA SYS FAN #2 ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
					-		-		-		-		-		
			HRSG #2 MCC		-		-		-		-		-		
E1350	E222	ENEE6705	HRSG #2 480V MCC MOV2-SHP-HV-2731 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1351	E222	ENEE6705	HRSG #2 480V MCC MOV 2-SHP-HV-2730 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1352	E222	ENEE6705	HRSG #2 480V MCC MOV 2-SHP-HV-2736 ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1353	E222	ENEE6705	HRSG #2 480V MCC MOV 2-SHP-HV-2735 ELEMENTARY DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1354	E222	ENEE6705	HRSG #2 480V MCC MOV 2-SIP-HV-2749 ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1355	E222	ENEE6705	HRSG #2 480V MCC MOV 2-SIP-HV-27488 ELEMENTARY DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1356	E222	ENEE6705	HRSG #2 480V MCC MOV 2-SIP-HV-1748A ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1357	E222	ENEE6705	HRSG #2 480V MCC MOV 2-SSH-HV-2760 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1358	E222	ENEE6705	HRSG #2 480V MCC MOV 2-SLP-HV-2798B ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1359	E222	ENEE6705	HRSG #2 480V MCC MOV 2-SLP-HV-2805 ELEMENTARY DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1360	E222	ENEE6705	HRSG #2 480V MCC MOV 2-SSH-HV-2778 ELEMENTARY DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1361	E222	ENEE6705	HRSG #2 480V MCC MOV 2-SSH-HV-2779 ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1362	E222	ENEE6705	HRSG #2 480V MCC MOV 2-SHP-HV-2715B ELEMENTARY DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1363	E222	ENEE6705	HRSG #2 480V MCC 2-BFP-PP-202A ELEM DIA	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1364	E222	ENEE6705	HRSG #2 480V MCC 2-BFP-PP-201A ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1365	E222	ENEE6705	HRSG #2 480V MCC 2-BBS-PP-002A ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1366	E222	ENEE6705	HRSG #2 480V MCC 2-BBS-PP-002B ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1367	E222	ENEE6705	HRSG #2 480V MCC BURNER MGMT SYS COOLING AIR BLOWER #1 ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1368	E222	ENEE6705	HRSG #2 480V MCC BURNER MNGT SYS COOLING AIR BLOWER #2 ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1369	E222	ENEE6705	HRSG #2 480V MCC AMMONIA SYS FAN #1 ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1370	E222	ENEE6705	HRSG #2 480V MCC AMMONIA SYS FAN #2 ELEM DIAG	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
					-		-		-		-		-		
			ESSENTIAL MCC 001		-		-		-		-		-		
E1390	E222	ENEE6705	STEAM TURBINE 480V MCC OIL TANK HEATERS OHT43101,2,3,4 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1391	E222	ENEE6705	STEAM TURBINE 480V MCC FUEL LOAD OIL PUMP 1 OM-43121 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1392	E222	ENEE6705	STEAM TURBINE 480V MCC LIFT OIL PUMP OM43131 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1393	E222	ENEE6705	STEAM TURBINE 480V MCC CTL FLD PUMP 1 OM43401 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%

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E1394	E222	ENEE6705	STEAM TURBINE 480V MCC OIL VAP EXH FAN 1 0M-43181 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1395	E222	ENEE6705	STEAM TURBINE 480V MCC CONT FLD CIRC PUMP1 OM43411 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1396	E222	ENEE6705	STEAM TURBINE 480V MCC CONT FLD CLR FAN 1 OM43421 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1397	E222	ENEE6705	STEAM TURBINE 480V MCC CONDR EXH FAN 1 OM43701 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1398	E222	ENEE6705	STEAM TURBINE 480V MCC CONT FLD TNK HTR OHT43401 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1399	E222	ENEE6705	STEAM TURBINE 480V MCC AMMONIA FORWARDING PUMP 0-AST-PP-002 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1400	E222	ENEE6705	480V MCC COND AIR REMVL VAC PUMP #1 3-AEX-PP-301 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1401	E222	ENEE6705	480V MCC INSTR AIR COMPRE 0-1AS-CR-001 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
			BOP-MCC-1-00-ELA-MC-021A												
E1410	E222	ENEE6705	480V MCC FULL LOAD OIL PUMP 2 OM-43122 ELEM DIAGR	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1411	E222	ENEE6705	480V MCC LIFT OIL PUMP 2 OM-43132 ELEM DIAGR	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1412	E222	ENEE6705	480V MCC OIL VAPOR EXH FAN 2 OM-43182 ELEM DIAGR	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1413	E222	ENEE6705	480V MCC COND FLD PUMP 2 OM-43402 ELEM DIAGR	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1414	E222	ENEE6705	480V MCC CONT FLD CIRC PUMP 2 OM-43412 ELEM DIAGR	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1415	E222	ENEE6705	480V MCC CONT FLD CLR FAN 2 OM-43422 ELEM DIAGR	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1416	E222	ENEE6705	480V MCC S/S COND EXH FAN 2 OM-43702 ELEM DIAGR	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1417	E222	ENEE6705	480V MCC CONDENSER AIR REMOVAL VAC PUMP 2 3-AEX-PP-302 ELEM DIAGR	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1418	E222	ENEE6705	480V MCC AMMONIA FORWARDING PMP 0-AST-PP-001 ELEM DIAGR	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1419	E222	ENEE6705	480V MCC INSTR AIR COMPR 0-1AS-CR-002 ELEM DIAGR	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
					-		-		-		-		-		
			HRSG #1 POWER PANEL		-		-		-		-		-		
E1430	E222	ENEE6705	HRSG #1 POWER PANEL MOV 1SHP-HV-1715A ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1431	E222	ENEE6705	HRSG #1 POWER PANEL MOV 1SHP-HV-1713 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1432	E222	ENEE6705	HRSG #1 POWER PANEL MOV 1SHP-HV-1737 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1433	E222	ENEE6705	HRSG #1 POWER PANEL MOV 1SHP-HV-1741 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1434	E222	ENEE6705	HRSG #1 POWER PANEL MOV 1SIP-HV-1763 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1435	E222	ENEE6705	HRSG #1 POWER PANEL MOV 1SSH-HV-1781 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1436	E222	ENEE6705	HRSG #1 POWER PANEL MOV 1SLP-HV-1796A ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1437	E222	ENEE6705	HRSG #1 POWER PANEL MOV 1SLP-HV-1810 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1438	E222	ENEE6705	HRSG #1 POWER PANEL MOV 1CNS-HV-1812 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%

CALPINE - METCALF ENERGY CENTER

ELECTRICAL DRAWING SCHEDULE

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
E1439	E222	ENEE6705	HRSG #1 POWER PANEL STACK DAMPER MV320 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
					-		-		-		-		-		
			HRSG #2 POWER PANEL		-		-		-		-		-		
E1450	E222	ENEE6705	HRSG #2 POWER PANEL MOV 2SHP-HV-2715A ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1451	E222	ENEE6705	HRSG #2 POWER PANEL MOV 2SHP-HV-2713 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1452	E222	ENEE6705	HRSG #2 POWER PANEL MOV 2SHP-HV-2737 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1453	E222	ENEE6705	HRSG #2 POWER PANEL MOV 2SHP-HV-2741 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1454	E222	ENEE6705	HRSG #2 POWER PANEL MOV 2SIP-HV-2763 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1455	E222	ENEE6705	HRSG #2 POWER PANEL MOV 2SSH-HV-2781 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1456	E222	ENEE6705	HRSG #2 POWER PANEL MOV 2SLP-HV-2796A ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1457	E222	ENEE6705	HRSG #2 POWER PANEL MOV 2SLP-HV-2810 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1458	E222	ENEE6705	HRSG #2 POWER PANEL MOV 2CNS-HV-2812 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
E1459	E222	ENEE6705	HRSG #2 POWER PANEL STACK DAMPER MV320 ELEMENTARY DIAGRAM	04/25/02	10/21/02 1 A	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		20%
					-		-		-		-		-		
			WATER TREATMENT MCC #1		-		-		-		-		-		
E1470	E222	ENEE6705	PW CIRC PUMP 0-PWS-PP-001 ELEMENTARY DIAGR	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1471	E222	ENEE6705	DEMIN WATER PUMP 0-DMN-PP-001 ELEM DIAGR	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1472	E222	ENEE6705	SERVICE WATER PUMP 0-SWS-PP-001 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1473	E222	ENEE6705	WATER TREATMENT SUMP PUMP 0-WWC-PP-001 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1474	E222	ENEE6705	FP JOCKEY PUMP ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1475	E222	ENEE6705	SANITARY SEWER LIFT PUMP ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1476	E222	ENEE6705	MIXING AIR BLOWER ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1477	E222	ENEE6705	FILTER WATER PUMP ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1478	E222	ENEE6705	FILTER WATER PUMP ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1479	E222	ENEE6705	RO BOOSTER PUMP ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1480	E222	ENEE6705	PW HEATER ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
					-		-		-		-		-		
			WATER TREATMENT MCC #2		-		-		-		-		-		
1490	E222	ENEE6705	PW CIRC PUMP 0-PWS-PP-002 ELEMENTARY DIAGR	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
1491	E222	ENEE6705	DEMIN WATER PUMP 0-DMN-PP-002 ELEM DIAGR	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%

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E1492	E222	ENEE6705	SERVICE WATER PUMP 0-SWS-PP-002 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1493	E222	ENEE6705	WATER TREATMENT SUMP PUMP 0-WWC-PP-002 ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1494	E222	ENEE6705	SANITARY SEWER LIFT PUMP ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1495	E222	ENEE6705	MIXING AIR BLOWER ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1496	E222	ENEE6705	FILTER WATER PUMP ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1497	E222	ENEE6705	RO BOOSTER PUMP ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1498	E222	ENEE6705	LIQUID RING VAC PUMP ELEM DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
E1499	E222	ENEE6705	PW HEATER ELEMENTARY DIAGRAM	04/25/02	-	06/20/02	-	02/19/03	-	04/01/03	-	06/01/03	-		0%
					-		-		-		-		-		
			ALL OTHER WIRING		-		-		-		-		-		
E1520	E211	ENEE6140	CTG 1 SWITCHYARD INTERFACE ELEMENTARY DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1521	E211	ENEE6140	CTG 2 SWITCHYARD INTERFACE ELEMENTARY DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1522	E211	ENEE6140	STG SWITCHYARD INTERFACE ELEMENTARY DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
					-		-		-		-		-		
E1530	E212	ENEE6140	GENERATOR PROTECTION PNL CTG 1 INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1531	E212	ENEE6140	GENERATOR PROTECTION PNL CTG 2 INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
					-		-		-		-		-		
E1540	E212	ENEE6140	SWITCHYARD CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
					-		-		-		-		-		
E1550	E231	ENEE6140	GTG-1- DCS CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1551	E231	ENEE6140	GTG-2 - DCS CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1552	E232	ENEE6140	STG - DCS CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
					-		-		-		-		-		
E1560	E212	ENEE6140	TRANSFORMER GSU-1 CONTROL CABINET INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1561	E212	ENEE6140	TRANSFORMER GSU-2 CONTROL CABINET INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1562	E212	ENEE6140	TRANSFORMER GSU-3 CONTROL CABINET INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
					-		-		-		-		-		
E1570	E211	ENEE6140	UNIT AUX XFMR 001A ELEMENTARY DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1571	E212	ENEE6140	UNIT AUX XFMR 001A CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1572	E211	ENEE6140	UNIT AUX XFMR 001B ELEMENTARY DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1573	E212	ENEE6140	UNIT AUX XFMR 001B CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
					-		-		-		-		-		
E1580	E222	ENEE6140	UPS & 125VDC SWBD 1DC-1 INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1581	E222	ENEE6140	STATION BATTERY CHARGER 1BC1 INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1582	E222	ENEE6140	STATION BATTERY CHARGER 1BC2 INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%

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E1583	E222	ENEE6140	EMERGENCY DIESEL GENERATOR ELECTRICAL WIRING DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
					-		-		-		-		-		
E1590	E233	ENEE6140	HRSG #1 INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1591	E233	ENEE6140	HRSG #1INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1592	E233	ENEE6140	HRSG #1 INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1593	E233	ENEE6140	AMMONIA INJECTION SKID #1 CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1594	E233	ENEE6140	HRSG #1 DUCT BURNER SKID	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1595	E233	ENEE6140	HRSG #1 DUCT BURNER SKID	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1596	E233	ENEE6140	HRSG #1 CONTROL PNL INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
					-		-		-		-		-		
E1600	E233	ENEE6140	CEMS #1 CONNECTION DIAGRAM SHT 1	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1601	E233	ENEE6140	CEMS #1 CONNECTION DIAGRAM SHT 2	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1602	E233	ENEE6140	CEMS #1 CONNECTION DIAGRAM SHT 3	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1603	E233	ENEE6140	CEMS #1 CONNECTION DIAGRAM SHT 4	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
					-		-		-		-		-		
E1610	E233	ENEE6140	HRSG #2 INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1611	E233	ENEE6140	HRSG #2 INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1612	E233	ENEE6140	HRSG #2 HP DRUM LEVEL SYSTEM INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1613	E233	ENEE6140	AMMONIA INJECTION SKID #2 CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1614	E233	ENEE6140	HRSG #2 DUCT BURNER SKID	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1615	E233	ENEE6140	HRSG #2 DUCT BURNER SKID	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1616	E233	ENEE6140	HRSG #2 CONTROL PNL INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
					-		-		-		-		-		
E1620	E233	ENEE6140	CEMS #2 CONNECTION DIAGRAM SHT 1	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1621	E233	ENEE6140	CEMS #2 CONNECTION DIAGRAM SHT 2	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1622	E233	ENEE6140	CEMS #2 CONNECTION DIAGRAM SHT 3	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1623	E233	ENEE6140	CEMS #2 CONNECTION DIAGRAM SHT 4	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
					-		-		-		-		-		
E1630	E232	ENEE6140	ST CONTROL PANEL INTERCONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
					-		-		-		-		-		
E1640	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1641	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1642	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1643	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1644	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1645	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1646	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1647	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1648	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1649	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%

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E1650	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1651	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1652	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1653	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1654	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1655	E222	ENEE6140	MISC CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
					-		-		-		-		-		
E1670	E222	ENEE6140	FIRE PUMPS & JOCKEY PUMP CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
E1671	E222	ENEE6140	FIRE PROTECTION SYSTEM CONNECTION DIAGRAM	11/06/02	-	01/30/03	-	N/A	-	04/11/03	-	06/11/03	-		0%
					-		-				-				
			CABLE/CONDUIT SCHEDULE		-		-				-				
E2000	5E11	ENEE6305	HV POWER CABLE SCHEDULE	11/08/02	09/23/02 1 A	01/30/03	-	N/A	-	03/31/03	-	05/31/03	-		20%
E2100	5E12	ENEE6305	HV POWER CABLE CONDUIT SCHEDULE	11/08/02	-	01/30/03	-	N/A	-	03/31/03	-	05/31/03	-		0%
E2200	5E14	ENEE6305	LV POWER CABLE SCHEDULE	11/08/02	-	01/30/03	-	N/A	-	03/31/03	-	05/31/03	-		0%
E2300	5E15	ENEE6305	LV POWER CABLE CONDUIT SCHEDULE	11/08/02	-	01/30/03	-	N/A	-	03/31/03	-	05/31/03	-		0%
E2400	5E16	ENEE6305	POWER, CONTROL, INSTRUMENT CABLE SCHEDULE	11/08/02	-	01/30/03	-	N/A	-	03/31/03	-	05/31/03	-		0%
E2500	5E18	ENEE6305	POWER, CONTROL, INSTRUMENT CONDUIT SCHEDULE	11/08/02	-	01/30/03	-	N/A	-	03/31/03	-	05/31/03	-		0%
E2600	5E18	ENEE6305	TRAY SCHEDULE	11/08/02	-	01/30/03	-	N/A	-	03/31/03	-	05/31/03	-		0%

CALPINE - METCALF ENERGY CENTER

MECHANICAL DRAWING SCHEDULE

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
			GENERAL ARRANGEMENTS & REFERENCE DRAWINGS												
M 002 Sh 1	M100	ENEM1002	MECHANICAL SYMBOLS	12/21/01	1	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02	10/31/02 1 A	0	100%
M 002 Sh 2	M100	ENEM1002	MECHANICAL SYMBOLS	12/21/01	1	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02	10/31/02 1 A	0	100%
M 002 Sh 3	M100	ENEM1002	MECHANICAL SYMBOLS & GENERAL NOTES	12/21/01	1	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02	10/31/02 1 A	0	100%
M 003 Sh 1	M100	ENEM1002	THERMOWELL DETAILS	12/21/01	1	02/19/02	1	N/A	1	02/26/02	05/23/02 1 A	06/11/02	10/31/02 1 A	0	100%
M 003 Sh 2	M100	ENEM1002	THERMOWELL DETAILS	12/21/01	1	02/19/02	1	N/A	1	02/26/02	05/23/02 1 A	06/11/02	10/31/02 1 A	0	100%
M 003 Sh 3	M100	ENEM1002	THERMOWELL DETAILS	12/21/01	1	02/19/02	1	N/A	1	02/26/02	05/23/02 1 A	06/11/02	10/31/02 1 A	0	100%
M 003 Sh 4	M100	ENEM1002	THERMOWELL DETAILS	12/21/01	1	02/19/02	1	N/A	1	02/26/02	05/23/02 1 A	06/11/02	10/31/02 1 A	0	100%
M 004 Sh 1	M100	ENEM1002	THERMOWELL INSTALLATION DETAILS	12/21/01	1	02/19/02	1	N/A	1	02/26/02	05/23/02 1 A	06/11/02	10/31/02 1 A	0	100%
M 004 Sh 2	M100	ENEM1002	THERMOWELL DETAILS	12/21/01	1	02/19/02	1	N/A	1	02/26/02	05/23/02 1 A	06/11/02	10/31/02 1 A	0	100%
M 004 Sh 3	M100	ENEM1002	THERMOWELL DETAILS	12/21/01	1	02/19/02	1	N/A	1	02/26/02	05/23/02 1 A	06/11/02	10/31/02 1 A	0	100%
M201 Sh 1	M100	ENEM1002	GENERAL ARRANGEMENT PLAN @ GRADE	12/21/01	12/17/01 1 A	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02	10/31/02 1 A	1	100%
M201 Sh 2	M100	ENEM1002	GENERAL ARRANGEMENT HRSG UNIT 1	12/21/01	12/17/01 1 A	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02	10/31/02 1 A	1	100%
M201 Sh 3	M100	ENEM1002	GENERAL ARRANGEMENT HRSG UNIT 2	12/21/01	12/17/01 1 A	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02	-	1	90%
M201 Sh 4	M100	ENEM1002	GENERAL ARRANGEMENT COMBUSTION TURBINE UNIT 1	12/21/01	12/17/01 1 A	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02	-	1	90%
M201 Sh 5	M100	ENEM1002	GENERAL ARRANGEMENT COMBUSTION TURBINE UNIT 2	12/21/01	12/17/01 1 A	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02	-	1	90%
M201 Sh 6	M100	ENEM1002	GENERAL ARRANGEMENT STEAM TURBINE BLDG GROUND FLOOR	12/21/01	12/17/01 1 A	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02	-	1	90%
M201 Sh 7	M100	ENEM1002	GENERAL ARRANGEMENT STEAM TURBINE BLDG MEZZANINE FLOOR	12/21/01	12/17/01 1 A	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02	-	1	90%
M201 Sh 8	M100	ENEM1002	GENERAL ARRANGEMENT STEAM TURBINE BLDG OPERATING FLOOR	12/21/01	12/17/01 1 A	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02	-	1	90%
M201 Sh 9	M100	ENEM1002	GENERAL ARRANGEMENT WATER TREATMENT BLDG	12/21/01	12/17/01 1 A	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02	-	1	90%
M201 Sh 10	M100	ENEM1002	GENERAL ARRANGEMENT FIRE WATER, FUEL GAS & GAS COMPR. BLDG	12/21/01	12/17/01 1 A	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02	-	1	90%
M201 Sh 11	M100	ENEM1002	GENERAL ARRANGEMENT COOLING TOWER	12/21/01	12/17/01 1 A	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02	-	1	90%
M201 Sh 12	M100	ENEM1002	GENERAL ARRANGEMENT COOLING TOWER	12/21/01	12/17/01 1 A	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02	-	1	90%
M201 Sh 13	M100	ENEM1002	GENERAL ARRANGEMENT AMMONIA UNLOADING STORAGE AREA	12/21/01	12/17/01 1 A	02/19/02	1	N/A	02/22/02 1 A	02/26/02	05/31/02 1 A	06/11/02		1	90%
M202	M100	ENEM1002	SITE SETBACK PLAN	12/21/01	12/21/01 1 A	02/19/02	1	N/A	01/30/02 1 A	02/26/02	-	06/11/02	10/31/02	A	70%
					-		-		-		-		-		
			P&IDs		-		-		-		-		-		
-001.dgn Sh 1	M220	ENEM3500	P&ID Auxiliary Cooling Water System	12/12/01	12/12/01 1 A	02/20/02	1	N/A	02/22/02 1 A	03/28/02	-	05/28/02	-	0	70%
001.dgn Sh 1	M220	ENEM4600	P&ID Condenser Air Extraction	04/05/02	10/28/02 1 A	05/16/02	1	N/A	04/30/02 1 A	07/09/02	-	09/08/02	-	0	70%
002.dgn Sh 2	M220	ENEM4600	P&ID Condenser Air Extraction	04/05/02	10/28/02 1 A	05/16/02	1	N/A	04/30/02 1 A	07/09/02	-	09/08/02	-	0	70%
003.dgn Sh 3	M220	ENEM4600	P&ID Condenser Air Extraction	04/05/02	10/28/02 1 A	05/16/02	1	N/A	04/30/02 1 A	07/09/02	-	09/08/02	-	0	70%
01.dgn Sh 1	M220	ENEM4900	P&ID Aqueous Ammonia Storage	04/25/02	10/28/02 1 A	06/20/02	1	N/A	06/27/02 1 A	08/12/02	09/27/02 1 A	10/12/02	-	0	90%
001.dgn Sh 1	M220	ENEM4300	P&ID Boiler Blowdown HRSG#1 Drains	03/28/02	05/22/02 1 A	05/08/02	06/28/02 1 A	N/A	07/31/02 1 A	08/28/02	-	08/28/02	-	A	70%
002.dgn Sh 2	M220	ENEM4300	P&ID Boiler Blowdown HRSG#1 Drains	03/28/02	05/22/02 1 A	05/08/02	06/28/02 1 A	N/A	07/31/02 1 A	08/28/02	-	08/28/02	-	A	70%
003.dgn Sh 3	M220	ENEM4300	P&ID Boiler Blowdown HRSG#2 Drains	03/28/02	05/22/02 1 A	05/08/02	06/28/02 1 A	N/A	07/31/02 1 A	08/28/02	-	08/28/02	-	A	70%
004.dgn Sh 4	M220	ENEM4300	P&ID Boiler Blowdown HRSG#2 Drains	03/28/02	05/22/02 1 A	05/08/02	06/28/02 1 A	N/A	07/31/02 1 A	08/28/02	-	08/28/02	-	A	70%
005.dgn Sh 5	M220	ENEM4300	P&ID Boiler Blowdown Sump & Pump	03/28/02	05/22/02 1 A	05/08/02	06/28/02 1 A	N/A	07/31/02 1 A	08/28/02	-	08/28/02	-	A	70%
01.dgn Sh 1	M210	ENEM3300	P&ID Boiler Feedwater	12/12/01	12/12/01 1 A	02/20/02	1	N/A	02/22/02 1 A	04/09/02	08/27/02 1 A	06/09/02	-	0	90%
002.dgn Sh 2	M210	ENEM3300	P&ID Boiler Feedwater	12/12/01	12/12/01 1 A	02/20/02	1	N/A	02/22/02 1 A	04/09/02	08/27/02 1 A	06/09/02	-	0	90%
003.dgn Sh 3	M210	ENEM3300	P&ID Boiler Feedwater	12/12/01	12/12/01 1 A	02/20/02	1	N/A	02/22/02 1 A	04/09/02	08/27/02 1 A	06/09/02	-	0	90%
004.dgn Sh 4	M210	ENEM3300	P&ID Boiler Feedwater	12/12/01	12/12/01 1 A	02/20/02	1	N/A	02/22/02 1 A	04/09/02	08/27/02 1 A	06/09/02	-	0	90%
01.dgn Sh 1	M210	ENEM3300	P&ID Phosphate Feed System, HP Boilers	12/12/01	-	02/28/02	-	N/A	-	04/09/02	-	06/09/02	-		0%
02.dgn Sh 2	M210	ENEM3300	P&ID Phosphate Feed System, IP Boilers	12/12/01	-	02/28/02	-	N/A	-	04/09/02	-	06/09/02	-		0%

CALPINE - METCALF ENERGY CENTER

MECHANICAL DRAWING SCHEDULE

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
-003.dgn Sh 3	M210	ENEM3300	P&ID Scavenger & Amine Feed System	12/12/01	-	02/28/02	-	N/A	-	04/09/02	-	06/09/02	-		0%
-001.dgn Sh 1	M220	ENEM3500	P&ID Closed Cooling Water System	12/12/01	12/12/01 1 A	02/20/02	1	N/A	02/22/02 1 A	03/28/02	07/31/02 1 A	05/28/02	-	0	90%
-002.dgn Sh 2	M220	ENEM3500	P&ID Closed Cooling Water System	12/12/01	12/12/01 1 A	02/20/02	1	N/A	02/22/02 1 A	03/28/02	07/31/02 1 A	05/28/02	-	0	90%
-003.dgn Sh 3	M220	ENEM3500	P&ID Closed Cooling Water System	12/12/01	12/12/01 1 A	02/20/02	1	N/A	02/22/02 1 A	03/28/02	07/31/02 1 A	05/28/02	-	0	90%
-004.dgn Sh 4	M220	ENEM3500	P&ID Closed Cooling Water System	12/12/01	12/12/01 1 A	02/20/02	1	N/A	02/22/02 1 A	03/28/02	07/31/02 1 A	05/28/02	-	0	90%
-005.dgn Sh 5	M220	ENEM3500	P&ID Closed Cooling Water System	12/12/01	12/12/01 1 A	02/20/02	1	N/A	02/22/02 1 A	03/28/02	07/31/02 1 A	05/28/02	-	0	90%
-001.dgn Sh 1	M220	ENEM4300	P&ID Cems System	03/28/02	-	05/08/02	-	N/A	-	06/28/02	-	08/28/02	-		0%
-001.dgn Sh 1	M210	ENEM3400	P&ID Condensate System	12/12/01	01/07/02 1 A	03/01/02	1	N/A	03/28/02 1 A	04/04/02	09/27/02 1 A	06/04/02	-	0	90%
-002.dgn Sh 2	M210	ENEM3400	P&ID Condensate System	12/12/01	01/07/02 1 A	03/01/02	1	N/A	03/28/02 1 A	04/04/02	09/27/02 1 A	06/04/02	-	0	90%
-003.dgn Sh 3	M210	ENEM3400	P&ID Condensate System	12/12/01	01/07/02 1 A	03/01/02	1	N/A	03/28/02 1 A	04/04/02	09/27/02 1 A	06/04/02	-	0	90%
-004.dgn Sh 4	M210	ENEM3400	P&ID Condensate System	12/12/01	01/07/02 1 A	03/01/02	1	N/A	03/28/02 1 A	04/04/02	09/27/02 1 A	06/04/02	-	0	90%
-001.dgn Sh 1	M220	ENEM2320	P&ID Circulating Water System	12/12/01	12/12/01 1 A	02/20/02	1	N/A	02/22/02 1 A	03/28/02	10/21/02 1 A	05/28/02	-	0	90%
-002.dgn Sh 2	M220	ENEM2320	P&ID Circulating Water System	12/12/01	12/12/01 1 A	02/20/02	1	N/A	02/22/02 1 A	03/28/02	10/21/02 1 A	05/28/02	-	0	90%
-003.dgn Sh 3	M220	ENEM2320	P&ID Circulating Water System	12/12/01	12/12/01 1 A	02/20/02	1	N/A	02/22/02 1 A	03/28/02	10/21/02 1 A	05/28/02	-	0	90%
-001.dgn Sh 1	M210	ENEM3400	P&ID Demineralized System	12/12/01	12/12/01 1 A	03/01/02	1	N/A	02/22/02 1 A	04/04/02	09/27/02 1 A	06/04/02	-	0	90%
001.dgn Sh 1	M220	ENEM3800	P&ID Fuel Gas Supply System	12/12/01	01/07/02 1 A	02/28/02	1	N/A	04/30/02 1 A	04/05/02	09/27/02 1 A	06/05/02	-	0	90%
002.dgn Sh 2	M220	ENEM3800	P&ID Fuel Gas Supply System	12/12/01	01/07/02 1 A	02/28/02	1	N/A	04/30/02 1 A	04/05/02	09/27/02 1 A	06/05/02	-	0	90%
003.dgn Sh 3	M220	ENEM3800	P&ID Fuel Gas Supply System	12/12/01	01/07/02 1 A	02/28/02	1	N/A	04/30/02 1 A	04/05/02	09/27/02 1 A	06/05/02	-	0	90%
004.dgn Sh 4	M220	ENEM3800	P&ID Fuel Gas Supply System	12/12/01	01/07/02 1 A	02/28/02	1	N/A	04/30/02 1 A	04/05/02	10/09/02 1 A	06/05/02	-	0	90%
005.dgn Sh 5	M220	ENEM3800	P&ID Fuel Gas Supply System	12/12/01	01/07/02 1 A	02/28/02	1	N/A	04/30/02 1 A	04/05/02	10/09/02 1 A	06/05/02	-	0	90%
006.dgn Sh 6	M220	ENEM3800	P&ID Fuel Gas Supply System	12/12/01	01/07/02 1 A	02/28/02	1	N/A	04/30/02 1 A	04/05/02	10/09/02 1 A	06/05/02	-	0	90%
001.dgn Sh 1	M220	ENEM4800	P&ID Fire Water System	12/12/01	01/07/02 1 A	03/08/02	1	04/19/02	03/28/02 1 A	05/24/02	08/29/02 1 A	07/24/02	-	0	90%
002.dgn Sh 2	M220	ENEM4800	P&ID Fire Water System	12/12/01	01/07/02 1 A	03/08/02	1	04/19/02	03/28/02 1 A	05/24/02	08/29/02 1 A	07/24/02	-	0	90%
001.dgn Sh 1	M220	ENEM4800	P&ID Cover Sheet	12/12/01	1	03/08/02	1	04/19/02	02/22/02 1 A	05/24/02	05/31/02 1 A	07/24/02	-	0	90%
002.dgn Sh 2	M220	ENEM4800	P&ID Drawing Index	12/12/01	1	03/08/02	1	04/19/02	02/22/02 1 A	05/24/02	05/31/02 1 A	07/24/02	-	0	90%
003.dgn Sh 3	M220	ENEM4800	P&ID Piping Specification Codes	12/12/01	1	03/08/02	1	04/19/02	02/22/02 1 A	05/24/02	05/31/02 1 A	07/24/02	-	0	90%
004.dgn Sh 4	M220	ENEM4800	P&ID Piping Symbols	12/12/01	1	03/08/02	1	04/19/02	02/22/02 1 A	05/24/02	05/31/02 1 A	07/24/02	-	0	90%
005.dgn Sh 5	M220	ENEM4800	P&ID Instrumentation Symbols	12/12/01	1	03/08/02	1	04/19/02	02/22/02 1 A	05/24/02	05/31/02 1 A	07/24/02	-	0	90%
006.dgn Sh 6	M220	ENEM4800	P&ID Equipment Symbols	12/12/01	1	03/08/02	1	04/19/02	02/22/02 1 A	05/24/02	05/31/02 1 A	07/24/02	-	0	90%
001.dgn Sh 1	M220	ENEM3927	P&ID Gland Seal System	06/18/02	1	N/A	1	N/A	08/28/02 1 A	08/13/02	08/15/02 1 A	10/13/02	-	0	90%
01.dgn Sh 1	M220	ENEM4100	P&ID Instrument Air System	04/01/02	01/07/02 1 A	05/24/02	1	N/A	03/28/02 1 A	07/17/02	-	09/16/02	-	0	70%
02.dgn Sh 2	M220	ENEM4100	P&ID Instrument Air System	04/01/02	01/07/02 1 A	05/24/02	1	N/A	03/28/02 1 A	07/17/02	-	09/16/02	-	0	70%
1.dgn Sh 1	M220	ENEM4900	P&ID Nitrogen System	04/25/02	1	06/20/02	1	N/A	07/31/02 1 A	08/12/02	-	10/12/02	-	A	70%
01.dgn Sh 1	M220	ENEM3100	P&ID Power Augmentation	12/12/01	01/07/02 1	03/04/02	1	N/A	03/28/02 1 A	04/08/02	10/31/02 1 A	06/08/02	-	0	90%
01.dgn Sh 1	M220	ENEM4000	P&ID Potable Water System	01/07/02	01/07/02 1 A	02/04/02	1	02/18/02	02/22/02 1 A	08/01/02	08/29/02 1 A	10/01/02	-	0	90%
01.dgn Sh 1	M220	ENEI1410	P&ID Sampling Analysis System	12/12/01	1	02/11/02	03/29/02 1 A	N/A	04/30/02 1 A	02/27/02	-	04/29/02	-	0	70%
02.dgn Sh 2	M220	ENEI1410	P&ID Sampling Analysis System	12/12/01	1	02/11/02	03/29/02 1 A	N/A	04/30/02 1 A	02/27/02	-	04/29/02	-	0	70%
03.dgn Sh 3	M220	ENEI1410	P&ID Sampling Analysis System	12/12/01	1	02/11/02	03/29/02 1 A	N/A	04/30/02 1 A	02/27/02	-	04/29/02	-	0	70%
04.dgn Sh 4	M220	ENEI1410	P&ID Sampling Analysis System	12/12/01	1	02/11/02	03/29/02 1 A	N/A	04/30/02 1 A	02/27/02	-	04/29/02	-	0	70%
01.dgn Sh 1	M220	ENEM4100	P&ID Service Air System	04/01/02	01/07/02 1 A	05/24/02	1	N/A	03/28/02 1 A	07/17/02	-	09/16/02	-	0	70%
01.dgn Sh 1	M220	ENEM4200	P&ID Auxiliary Steam System	06/04/02	01/07/02 1 A	08/13/02	1	N/A	03/28/02 1 A	10/03/02	-	12/03/02	-	0	70%
02.dgn Sh 2	M220	ENEM4200	P&ID Auxiliary Steam System	06/04/02	01/07/02 1 A	08/13/02	1	N/A	1	10/03/02	1	12/03/02	1		100%
01.dgn Sh 1	M220	ENEM4200	P&ID Steam Drains	06/04/02	1	08/13/02	1	N/A	09/27/02 1 A	10/03/02	-	12/03/02	-	A	70%
02.dgn Sh 2	M220	ENEM4200	P&ID Steam Drains	06/04/02	1	08/13/02	1	N/A	09/27/02 1 A	10/03/02	-	12/03/02	-	A	70%
01.dgn Sh 1	M210	ENEM2020	P&ID Steam System (High Pressure)	12/12/01	01/07/02 1 A	03/01/02	1	N/A	03/28/02 1 A	04/12/02	05/30/02 1 A	06/12/02	-	1	90%
02.dgn Sh 2	M210	ENEM2020	P&ID Steam System (High Pressure)	12/12/01	01/07/02 1 A	03/01/02	1	N/A	03/28/02 1 A	04/12/02	05/30/02 1 A	06/12/02	-	1	90%
1.dgn Sh 1	M210	ENEM3100	P&ID Steam System (Low Pressure)	12/12/01	01/07/02 1 A	03/04/02	1	N/A	03/28/02 1 A	04/08/02	05/30/02 1 A	06/08/02	-	1	90%
2.dgn Sh 2	M210	ENEM3100	P&ID Steam System (Low Pressure)	12/12/01	01/07/02 1 A	03/04/02	1	N/A	03/28/02 1 A	04/08/02	05/30/02 1 A	06/08/02	-	1	90%

CALPINE - METCALF ENERGY CENTER

MECHANICAL DRAWING SCHEDULE

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
-001.dgn Sh 1	M210	ENEM3200	P&ID Cold Reheat Steam	12/12/01	01/07/02 1 A	03/04/02	1	N/A	03/28/02 1 A	04/08/02	05/30/02 1 A	06/08/02	-	1	90%
-002.dgn Sh 2	M210	ENEM3200	P&ID Cold Reheat Steam	12/12/01	01/07/02 1 A	03/04/02	1	N/A	03/28/02 1 A	04/08/02	05/30/02 1 A	06/08/02	-	1	90%
-001.dgn Sh 1	M210	ENEM3200	P&ID Hot Reheat Steam	12/12/01	01/07/02 1 A	03/04/02	1	N/A	03/28/02 1 A	04/08/02	05/30/02 1 A	06/08/02	-	1	90%
-002.dgn Sh 2	M210	ENEM3200	P&ID Hot Reheat Steam	12/12/01	01/07/02 1 A	03/04/02	1	N/A	03/28/02 1 A	04/08/02	05/30/02 1 A	06/08/02	-	1	90%
-001.dgn Sh 1	M220	ENEM3804	P&ID Sanitary Sewer System	04/19/02	1	05/01/02	1	05/31/02	08/27/02 1 A	08/12/02	09/27/02 1 A	10/12/02	-	0	90%
-001.dgn Sh 1	M220	ENEM2620	P&ID Service Water System	01/07/02	01/07/02 1 A	02/04/02	1	02/18/02	02/22/02 1 A	08/12/02	07/31/02 1 A	10/12/02	-	0	90%
-002.dgn Sh 2	M220	ENEM2620	P&ID Service Water System	01/07/02	01/07/02 1 A	02/04/02	1	02/18/02	02/22/02 1 A	08/12/02	07/31/02 1 A	10/12/02	-	0	90%
-01.dgn Sh 1	M220	ENEM3950	P&ID Cooling Tower Chemical Feed	07/23/02	10/28/02 1 A	08/05/02	-	08/19/02	-	01/28/03	-	03/30/03	-		20%
-02.dgn Sh 2	M220	ENEM3950	P&ID Cooling Tower Chemical Feed	07/23/02	10/28/02 1 A	08/05/02	-	08/19/02	-	01/28/03	-	03/30/03	-		20%
-001.dgn Sh 1	M220	ENEM3700	P&ID Waste Water Collection	12/12/01	01/07/02 1 A	03/08/02	1	N/A	03/28/02 1 A	04/15/02	10/18/02 1 A	06/15/02	-	0	90%
-002.dgn Sh 2	M220	ENEM3700	P&ID Waste Water Collection	12/12/01	01/07/02 1 A	03/08/02	1	N/A	03/28/02 1 A	04/15/02	10/18/02 1 A	06/15/02	-	0	90%
-003.dgn Sh 3	M220	ENEM3700	P&ID Waste Water Collection	12/12/01	01/07/02 1 A	03/08/02	1	N/A	03/28/02 1 A	04/15/02	10/18/02 1 A	06/15/02	-	0	90%
-004.dgn Sh 4	M220	ENEM3700	P&ID Waste Water Collection	12/12/01	01/07/02 1 A	03/08/02	1	N/A	03/28/02 1 A	04/15/02	10/18/02 1 A	06/15/02	-	0	90%
					-		-		-		-		-		
			PIPING DESIGN		-		-		-		-		-		
M 300 Sh 1	M420	ENEM2805	CIRC WATER PIPING PLAN & SECTIONS	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	1	05/17/02	04/30/02 1 A	07/17/02	10/31/02 1 A	0	100%
M 300 Sh 2	M420	ENEM2805	CIRC WATER PIPING PLAN & SECTIONS	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	1	05/17/02	04/30/02 1 A	07/17/02	10/31/02 1 A	0	100%
M 300 Sh 3	M420	ENEM2805	CIRC WATER PIPING PLAN & SECTIONS	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	1	05/17/02	04/30/02 1 A	07/17/02	10/31/02 1 A	0	100%
M 301 Sh 1	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	10/31/02 1 A	0	100%
M 301 Sh 2	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	10/31/02 1 A	0	100%
M 301 Sh 3	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	10/31/02 1 A	0	100%
M 301 Sh 4	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	10/31/02 1 A	0	100%
M 301 Sh 5	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	10/31/02 1 A	0	100%
M 301 Sh 6	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	10/31/02 1 A	0	100%
M 301 Sh 7	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	10/31/02 1 A	0	100%
M 301 Sh 8	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	10/31/02 1 A	0	100%
M 301 Sh 9	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	10/31/02 1 A	0	100%
301 Sh 10	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	10/31/02 1 A	0	100%
301 Sh 11	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	-	0	90%
301 Sh 12	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	-	0	90%
301 Sh 13	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	-	0	90%
301 Sh 14	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	-	0	90%
301 Sh 15	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	-	0	90%
301 Sh 16	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	-	0	90%
301 Sh 17	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	-	0	90%
301 Sh 18	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	-	0	90%
301 Sh 19	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	-	0	90%
301 Sh 20	M420	ENEM2805	PIPING; UNDERGROUND COMPOSITE	02/14/02	02/25/02 1 A	02/28/02	1	03/29/02	06/28/02 1 A	05/17/02	07/31/02 1 A	07/17/02	-	0	90%
FA-SHP102	M410	ENEM2100	HIGH PRESSURE STEAM SYSTEM PIPING ISOMETRIC	02/25/02	02/25/02 1 A	04/15/02	03/29/02 1 A	05/10/02	06/27/02 1 A	09/26/02	08/26/02 1 A	11/26/02	10/31/02 1 A	0	100%
FA-SHP202	M410	ENEM2100	HIGH PRESSURE STEAM SYSTEM PIPING ISOMETRIC	02/25/02	02/25/02 1 A	04/15/02	03/29/02 1 A	05/10/02	06/27/02 1 A	09/26/02	08/26/02 1 A	11/26/02	10/31/02 1 A	0	100%
FA-SHP104	M410	ENEM2100	HIGH PRESSURE STEAM SYSTEM PIPING ISOMETRIC	02/25/02	02/25/02 1 A	04/15/02	03/29/02 1 A	05/10/02	06/27/02 1 A	09/26/02	08/26/02 1 A	11/26/02	10/31/02 1 A	0	100%
FA-SHP204	M410	ENEM2100	HIGH PRESSURE STEAM SYSTEM PIPING ISOMETRIC	02/25/02	02/25/02 1 A	04/15/02	03/29/02 1 A	05/10/02	06/27/02 1 A	09/26/02	08/26/02 1 A	11/26/02	10/31/02 1 A	0	100%
FA-SHP301	M410	ENEM2100	HIGH PRESSURE STEAM SYSTEM PIPING ISOMETRIC	02/25/02	02/25/02 1 A	04/15/02	03/29/02 1 A	05/10/02	06/27/02 1 A	09/26/02	08/26/02 1 A	11/26/02	10/31/02 1 A	0	100%
FA-SHP304	M410	ENEM2100	HIGH PRESSURE STEAM SYSTEM PIPING ISOMETRIC	02/25/02	02/25/02 1 A	04/15/02	03/29/02 1 A	05/10/02	06/27/02 1 A	09/26/02	08/26/02 1 A	11/26/02	10/31/02 1 A	0	100%
FA-SHP101	M410	ENEM2100	HIGH PRESSURE STEAM SYSTEM PIPING ISOMETRIC	02/25/02	02/25/02 1 A	04/15/02	03/29/02 1 A	05/10/02	06/27/02 1 A	09/26/02	08/26/02 1 A	11/26/02	10/31/02 1 A	0	100%
FA-SHP201	M410	ENEM2100	HIGH PRESSURE STEAM SYSTEM PIPING ISOMETRIC	02/25/02	02/25/02 1 A	04/15/02	04/30/02 1 A	05/10/02	06/27/02 1 A	09/26/02	09/27/02 1 A	11/26/02	10/31/02 1 A	0	100%
FA-SHP401	M410	ENEM2100	HIGH PRESSURE STEAM SYSTEM PIPING ISOMETRIC	02/25/02	02/25/02 1 A	04/15/02	04/30/02 1 A	05/10/02	06/27/02 1 A	09/26/02	09/27/02 1 A	11/26/02	-	0	90%
FA-SHP406	M410	ENEM2100	HIGH PRESSURE STEAM SYSTEM PIPING ISOMETRIC	02/25/02	02/25/02 1 A	04/15/02	04/30/02 1 A	05/10/02	06/27/02 1 A	09/26/02	09/27/02 1 A	11/26/02	-	0	90%

CALPINE - METCALF ENERGY CENTER

MECHANICAL DRAWING SCHEDULE

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
GFA-SHP407	M410	ENEM2100	HIGH PRESSURE STEAM SYSTEM PIPING ISOMETRIC	02/25/02	02/25/02 1 A	04/15/02	04/30/02 1 A	05/10/02	06/27/02 1 A	09/26/02	09/27/02 1 A	11/26/02	-	0	90%
GFA-SHP408	M410	ENEM2100	HIGH PRESSURE STEAM SYSTEM PIPING ISOMETRIC	02/25/02	02/25/02 1 A	04/15/02	04/30/02 1 A	05/10/02	06/27/02 1 A	09/26/02	10/31/02 1 A	11/26/02	-	A	90%
BBA-SHP409	M410	ENEM2100	HIGH PRESSURE STEAM SYSTEM PIPING ISOMETRIC	02/25/02	02/25/02 1 A	04/15/02	04/30/02 1 A	05/10/02	06/27/02 1 A	09/26/02	10/31/02 1 A	11/26/02	-	A	90%
GFA-SHP410	M410	ENEM2100	HIGH PRESSURE STEAM SYSTEM PIPING ISOMETRIC	02/25/02	02/25/02 1 A	04/15/02	04/30/02 1 A	05/10/02	06/27/02 1 A	09/26/02	10/31/02 1 A	11/26/02	-	A	90%
BBA-SHP411	M410	ENEM2100	HIGH PRESSURE STEAM SYSTEM PIPING ISOMETRIC	02/25/02	02/25/02 1 A	04/15/02	04/30/02 1 A	05/10/02	06/27/02 1 A	09/26/02	10/31/02 1 A	11/26/02	-	A	90%
ABA-SLP101	M410	ENEM3120	LOW PRESSURE STEAM SYSTEM, PIPING ISO	04/08/02	02/25/02 1 A	05/03/02	03/29/02 1 A	07/01/02	06/27/02 1 A	09/26/02	08/26/02 1 A	11/26/02	-	0	90%
ABA-SLP201	M410	ENEM3120	LOW PRESSURE STEAM SYSTEM, PIPING ISO	04/08/02	02/25/02 1 A	05/03/02	03/29/02 1 A	07/01/02	06/27/02 1 A	09/26/02	08/26/02 1 A	11/26/02	-	0	90%
ABA-SLP301	M410	ENEM3120	LOW PRESSURE STEAM SYSTEM, PIPING ISO	04/08/02	02/25/02 1 A	05/03/02	1	07/01/02	06/27/02 1 A	09/26/02	09/27/02 1 A	11/26/02	-	0	90%
ABA-SLP402	M410	ENEM3120	LOW PRESSURE STEAM SYSTEM, PIPING ISO	04/08/02	02/25/02 1 A	05/03/02	04/30/02 1 A	07/01/02	06/27/02 1 A	09/26/02	-	11/26/02	-	A	70%
AAA-CNS401	M410	ENEM3420	CONDENSATE SYSTEM SUCTION ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	09/27/02 1 A	08/18/02	-	0	90%
AAA-CNS403	M410	ENEM3420	CONDENSATE SYSTEM SUCTION ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	08/26/02 1 A	08/18/02	-	0	90%
AAA-CNS404	M410	ENEM3420	CONDENSATE SYSTEM SUCTION ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	08/26/02 1 A	08/18/02	-	0	90%
AAA-CNS405	M410	ENEM3420	CONDENSATE SYSTEM SUCTION ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	08/26/02 1 A	08/18/02	-	0	90%
AAA-CNS406	M410	ENEM3420	CONDENSATE SYSTEM SUCTION ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	08/26/02 1 A	08/18/02	-	0	90%
BBA-CNS035	M410	ENEM3420	CONDENSATE SYSTEM DISCHARGE ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	08/26/02 1 A	08/18/02	-	0	90%
BBA-CNS035	M410	ENEM3420	CONDENSATE SYSTEM DISCHARGE ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	08/26/02 1 A	08/18/02	-	0	90%
BBA-CNS102	M410	ENEM3420	CONDENSATE SYSTEM DISCHARGE ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	08/26/02 1 A	08/18/02	-	0	90%
BBA-CNS104	M410	ENEM3420	CONDENSATE SYSTEM DISCHARGE ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	08/26/02 1 A	08/18/02	-	0	90%
BBA-CNS202	M410	ENEM3420	CONDENSATE SYSTEM DISCHARGE ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	08/26/02 1 A	08/18/02	-	0	90%
BBA-CNS204	M410	ENEM3420	CONDENSATE SYSTEM DISCHARGE ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	09/27/02 1 A	08/18/02	-	0	90%
BBA-CNS302	M410	ENEM3420	CONDENSATE SYSTEM DISCHARGE ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	09/27/02 1 A	08/18/02	-	0	90%
BBA-CNS304	M410	ENEM3420	CONDENSATE SYSTEM DISCHARGE ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	09/27/02 1 A	08/18/02	-	0	90%
BBA-CNS405	M410	ENEM3420	CONDENSATE SYSTEM DISCHARGE ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	09/27/02 1 A	08/18/02	-	0	90%
BBA-CNS406	M410	ENEM3420	CONDENSATE SYSTEM DISCHARGE ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	-	08/18/02	-		70%
BBA-CNS407	M410	ENEM3420	CONDENSATE SYSTEM DISCHARGE ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	-	08/18/02	-		70%
BBA-CNS410	M410	ENEM3420	CONDENSATE SYSTEM DISCHARGE ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	-	08/18/02	-		70%
BBA-CNS414	M410	ENEM3420	CONDENSATE SYSTEM DISCHARGE ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	-	08/18/02	-		70%
BBA-CNS415	M410	ENEM3420	CONDENSATE SYSTEM DISCHARGE ISOMETRIC	04/23/02	07/25/02 1 A	05/20/02	1	06/18/02	08/26/02 1 A	06/18/02	-	08/18/02	-		70%
BA-BFW101	M410	ENEM3320	FEEDWATER SUCTION PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW201	M410	ENEM3320	FEEDWATER SUCTION PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW201	M410	ENEM3320	FEEDWATER SUCTION PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/26/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW301	M410	ENEM3320	FEEDWATER SUCTION PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW301	M410	ENEM3320	FEEDWATER SUCTION PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW103	M410	ENEM3320	FEEDWATER IP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW103	M410	ENEM3320	FEEDWATER IP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW106	M410	ENEM3320	FEEDWATER IP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW107	M410	ENEM3320	FEEDWATER IP to FGS ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW108	M410	ENEM3320	FEEDWATER IP to FGS ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW203	M410	ENEM3320	FEEDWATER IP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW203	M410	ENEM3320	FEEDWATER IP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW206	M410	ENEM3320	FEEDWATER IP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW207	M410	ENEM3320	FEEDWATER IP to FGS ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW208	M410	ENEM3320	FEEDWATER IP to FGS ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW303	M410	ENEM3320	FEEDWATER IP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW303	M410	ENEM3320	FEEDWATER IP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW306	M410	ENEM3320	FEEDWATER IP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW307	M410	ENEM3320	FEEDWATER IP to FGS ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
BA-BFW308	M410	ENEM3320	FEEDWATER IP to FGS ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%

CALPINE - METCALF ENERGY CENTER

MECHANICAL DRAWING SCHEDULE

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
DBA-BFW404	M410	ENEM3320	FEEDWATER IP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	08/26/02 1 A	11/25/02	-	0	90%
DBA-BFW405	M410	ENEM3320	FEEDWATER IP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	09/27/02 1 A	11/25/02	-	0	90%
DBA-BFW406	M410	ENEM3320	FEEDWATER IP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	09/27/02 1 A	11/25/02	-	0	90%
FBA-BFW002	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	09/27/02 1 A	11/25/02	-	0	90%
FBA-BFW101	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	09/27/02 1 A	11/25/02	-	0	90%
FBA-BFW102	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	09/27/02 1 A	11/25/02	-	0	90%
FBA-BFW102	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	09/27/02 1 A	11/25/02	-	0	90%
FBA-BFW102	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	09/27/02 1 A	11/25/02	-	0	90%
FBA-BFW104	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	09/27/02 1 A	11/25/02	-	0	90%
FBA-BFW105	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	09/27/02 1 A	11/25/02	-	0	90%
FBA-BFW201	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	09/27/02 1 A	11/25/02	-	0	90%
FBA-BFW202	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	09/27/02 1 A	11/25/02	-	0	90%
FBA-BFW202	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	09/27/02 1 A	11/25/02	-	0	90%
FBA-BFW202	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	-	11/25/02	-	A	70%
FBA-BFW204	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	-	11/25/02	-	A	70%
FBA-BFW205	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	-	11/25/02	-	A	70%
BA-BFW301	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	-	11/25/02	-	A	70%
BA-BFW302	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	-	11/25/02	-	A	70%
BA-BFW302	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	-	11/25/02	-	A	70%
BA-BFW302	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	-	11/25/02	-	A	70%
BA-BFW304	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	-	11/25/02	-	A	70%
BA-BFW305	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	-	11/25/02	-	A	70%
BA-BFW305	M410	ENEM3320	FEEDWATER HP DISCHARGE PIPING ISOMETRIC	06/18/02	1	07/16/02	1	08/27/02	07/31/02 1 A	09/25/02	-	11/25/02	-	A	70%
AA-CWS001	M420	ENEM2400	CIRCULATING WATER SYSTEM PIPING ISOMETRIC	03/28/02	09/27/02 1 A	04/24/02	1	06/27/02	10/31/02 1 A	08/29/02	-	10/29/02	-		70%
AA-CWS002	M420	ENEM2400	CIRCULATING WATER SYSTEM PIPING ISOMETRIC	03/28/02	09/27/02 1 A	04/24/02	1	06/27/02	1	08/29/02	10/31/02 1 A	10/29/02	-	0	90%
AA-CCW001	M420	ENEM3520	AUXILIARY COOLING WATER SYS PIPING ISOMETRIC	03/28/02	1	05/01/02	1	06/27/02	10/31/02 1 A	02/07/03	-	04/09/03	-		70%
AA-CCW002	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	1	06/27/02	10/31/02 1 A	02/07/03	-	04/09/03	-		70%
AA-CCW003	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	1	06/27/02	10/31/02 1 A	02/07/03	-	04/09/03	-		70%
AA-CCW102	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	1	06/27/02	10/31/02 1 A	02/07/03	-	04/09/03	-		70%
AA-CCW103	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	1	06/27/02	10/31/02 1 A	02/07/03	-	04/09/03	-		70%
AA-CCW104	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	1	06/27/02	10/31/02 1 A	02/07/03	-	04/09/03	-		70%
AA-CCW105	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	1	06/27/02	10/31/02 1 A	02/07/03	-	04/09/03	-		70%
AA-CCW106	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	1	06/27/02	10/31/02 1 A	02/07/03	-	04/09/03	-		70%
AA-CCW202	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	1	06/27/02	10/31/02 1 A	02/07/03	-	04/09/03	-		70%
AA-CCW203	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	1	06/27/02	10/31/02 1 A	02/07/03	-	04/09/03	-		70%
AA-CCW204	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	1	06/27/02	10/31/02 1 A	02/07/03	-	04/09/03	-		70%
AA-CCW205	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	10/31/02 1 A	06/27/02	-	02/07/03	-	04/09/03	-		50%
AA-CCW206	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	10/31/02 1 A	06/27/02	-	02/07/03	-	04/09/03	-		50%
A-CCW302	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	10/31/02 1 A	06/27/02	-	02/07/03	-	04/09/03	-		50%
A-CCW303	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	10/31/02 1 A	06/27/02	-	02/07/03	-	04/09/03	-		50%
A-CCW304	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	10/31/02 1 A	06/27/02	-	02/07/03	-	04/09/03	-		50%
A-CCW305	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	10/31/02 1 A	06/27/02	-	02/07/03	-	04/09/03	-		50%
A-CCW306	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	10/31/02 1 A	06/27/02	-	02/07/03	-	04/09/03	-		50%
A-CCW402	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	10/31/02 1 A	06/27/02	-	02/07/03	-	04/09/03	-		50%
A-CCW403	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	10/31/02 1 A	06/27/02	-	02/07/03	-	04/09/03	-		50%
A-CCW404	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	10/31/02 1 A	06/27/02	-	02/07/03	-	04/09/03	-		50%
A-CCW405	M420	ENEM3520	CLOSED COOLING WATER SYS PIPING ISOMETRIC	03/28/02	07/20/02 1 A	05/01/02	10/31/02 1 A	06/27/02	-	02/07/03	-	04/09/03	-		50%
X-FGS001	M420	ENEM3820	FUEL GAS SYSTEM ISOMETRIC	04/08/02	1	06/03/02	09/27/02 1 A	07/16/02	1	07/16/02	10/31/02 1 A	09/15/02	-	0	90%

11/8/02

CALPINE - METCALF ENERGY CENTER

MECHANICAL DRAWING SCHEDULE

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
XXX-FGS002	M420	ENEM3820	FUEL GAS SYSTEM ISOMETRIC	04/08/02	1	06/03/02	09/27/02 1 A	07/16/02	1	07/16/02	10/31/02 1 A	09/15/02	-	0	90%
XXX-FGS003	M420	ENEM3820	FUEL GAS SYSTEM ISOMETRIC	04/08/02	1	06/03/02	09/27/02 1 A	07/16/02	1	07/16/02	10/31/02 1 A	09/15/02	-	0	90%
XXX-FGS004	M420	ENEM3820	FUEL GAS SYSTEM ISOMETRIC	04/08/02	1	06/03/02	09/27/02 1 A	07/16/02	1	07/16/02	10/31/02 1 A	09/15/02	-	0	90%
XXX-FGS005	M420	ENEM3820	FUEL GAS SYSTEM ISOMETRIC	04/08/02	1	06/03/02	1	07/16/02	09/27/02 1 A	07/16/02	10/31/02 1 A	09/15/02	-	0	90%
XXX-FGS006	M420	ENEM3820	FUEL GAS SYSTEM ISOMETRIC	04/08/02	1	06/03/02	1	07/16/02	09/27/02 1 A	07/16/02	10/31/02 1 A	09/15/02	-	0	90%
XXX-FGS007	M420	ENEM3820	FUEL GAS SYSTEM ISOMETRIC	04/08/02	1	06/03/02	1	07/16/02	09/27/02 1 A	07/16/02	10/31/02 1 A	09/15/02	-	0	90%
XXX-FGS008	M420	ENEM3820	FUEL GAS SYSTEM ISOMETRIC	04/08/02	1	06/03/02	1	07/16/02	09/27/02 1 A	07/16/02	10/31/02 1 A	09/15/02	-	0	90%
XXX-FGS009	M420	ENEM3820	FUEL GAS SYSTEM ISOMETRIC	04/08/02	1	06/03/02	1	07/16/02	09/27/02 1 A	07/16/02	10/31/02 1 A	09/15/02	-	0	90%
AA-SWS001	M420	ENEM2680	SERVICE WATER SYSTEM PIPING ISO	06/26/02	-	07/23/02	-	08/28/02	-	08/28/02	-	10/28/02	-		0%
AA-SWS002	M420	ENEM2680	SERVICE WATER SYSTEM PIPING ISO	06/26/02	-	07/23/02	-	08/28/02	-	08/28/02	-	10/28/02	-		0%
AA-SWS003	M420	ENEM2680	SERVICE WATER SYSTEM PIPING ISO	06/26/02	-	07/23/02	-	08/28/02	-	08/28/02	-	10/28/02	-		0%
AA-SWS004	M420	ENEM2680	SERVICE WATER SYSTEM PIPING ISO	06/26/02	-	07/23/02	-	08/28/02	-	08/28/02	-	10/28/02	-		0%
A5A-SAS001	M420	ENEM2680	SERVICE AIR SYSTEM PIPING ISOMETRIC	06/26/02	-	07/23/02	-	08/28/02	-	08/28/02	-	10/28/02	-		0%
A5A-SAS002	M420	ENEM2680	SERVICE AIR SYSTEM PIPING ISOMETRIC	06/26/02	-	07/23/02	-	08/28/02	-	08/28/02	-	10/28/02	-		0%
A5A-SAS003	M420	ENEM2680	SERVICE AIR SYSTEM PIPING ISOMETRIC	06/26/02	-	07/23/02	-	08/28/02	-	08/28/02	-	10/28/02	-		0%
A5A-SAS004	M420	ENEM2680	SERVICE AIR SYSTEM PIPING ISOMETRIC	06/26/02	-	07/23/02	-	08/28/02	-	08/28/02	-	10/28/02	-		0%
A5A-IAS001	M420	ENEM4215	INSTRUMENT AIR SYSTEM PIPING ISOMETRIC	10/04/02	-	10/31/02	-	12/11/02	-	11/05/02	-	01/05/03	-		0%
A5A-IAS002	M420	ENEM4215	INSTRUMENT AIR SYSTEM PIPING ISOMETRIC	10/04/02	-	10/31/02	-	12/11/02	-	11/05/02	-	01/05/03	-		0%
A5A-IAS003	M420	ENEM4215	INSTRUMENT AIR SYSTEM PIPING ISOMETRIC	10/04/02	-	10/31/02	-	12/11/02	-	11/05/02	-	01/05/03	-		0%
A5A-IAS004	M420	ENEM4215	INSTRUMENT AIR SYSTEM PIPING ISOMETRIC	10/04/02	-	10/31/02	-	12/11/02	-	11/05/02	-	01/05/03	-		0%
M 470	M420	ENEM3925	STEAM SEAL SYSTEM	08/14/02	05/22/02 1 A	N/A	06/27/02 1 A	10/09/02	09/27/02 1 A	11/06/02	10/31/02 1 A	01/06/03	-	0	90%
M 471 Sh 1	M420	ENEM3925	STEAM SEAL SYSTEM	08/14/02	05/22/02 1 A	N/A	06/27/02 1 A	10/09/02	09/27/02 1 A	11/06/02	10/31/02 1 A	01/06/03	-	0	90%
M 471 Sh 2	M420	ENEM3925	STEAM SEAL SYSTEM	08/14/02	05/22/02 1 A	N/A	06/27/02 1 A	10/09/02	09/27/02 1 A	11/06/02	10/31/02 1 A	01/06/03	-	0	90%
XXX-NIT001	M420	ENEM4715	NITROGEN SYSTEM ISOMETRIC	09/1102	-	N/A	-	N/A	-	01/02/03	-	03/04/03	-		0%
FA-GSS001	M420	ENEM3925	GLAND SEAL SYSTEM	08/14/02	05/22/02 1 A	N/A	06/27/02 1 A	10/09/02	09/27/02 1 A	11/06/02	10/31/02 1 A	01/06/03	-	0	90%
FA-GSS002	M420	ENEM3925	GLAND SEAL SYSTEM	08/14/02	05/22/02 1 A	N/A	06/27/02 1 A	10/09/02	09/27/02 1 A	11/06/02	10/31/02 1 A	01/06/03	-	0	90%
FA-BBS001	M420	ENEM3925	GLAND EXHAUST VENT PIPING ISO	08/14/02	-	N/A	-	10/09/02	-	11/06/02	-	01/06/03	-		0%
FA-BBS002	M420	ENEM4315	TURBINE VENTS & DRAINS	11/21/02	09/25/02 1 A	12/16/02	-	01/14/03	-	01/14/03	-	03/16/03	-		20%
FA-BBS003	M420	ENEM4315	TURBINE VENTS & DRAINS	11/21/02	09/25/02 1 A	12/16/02	-	01/14/03	-	01/14/03	-	03/16/03	-		20%
FA-BBS004	M420	ENEM4315	TURBINE DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	09/25/02 1 A	12/16/02	-	01/14/03	-	01/14/03	-	03/16/03	-		20%
FA-BBS005	M420	ENEM4315	TURBINE DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	09/25/02 1 A	12/16/02	-	01/14/03	-	01/14/03	-	03/16/03	-		20%
FA-BBS006	M420	ENEM4315	TURBINE DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	09/25/02 1 A	12/16/02	-	01/14/03	-	01/14/03	-	03/16/03	-		20%
FA-BBS007	M420	ENEM4315	TURBINE DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	09/25/02 1 A	12/16/02	-	01/14/03	-	01/14/03	-	03/16/03	-		20%
FA-BBS008	M420	ENEM4315	TURBINE DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	09/25/02 1 A	12/16/02	-	01/14/03	-	01/14/03	-	03/16/03	-		20%
FA-BBS009	M420	ENEM4315	TURBINE DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	09/25/02 1 A	12/16/02	-	01/14/03	-	01/14/03	-	03/16/03	-		20%
FA-BBS010	M420	ENEM4315	TURBINE DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	09/25/02 1 A	12/16/02	-	01/14/03	-	01/14/03	-	03/16/03	-		20%
FA-BBS011	M420	ENEM4315	TURBINE DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	09/25/02 1 A	12/16/02	-	01/14/03	-	01/14/03	-	03/16/03	-		20%
FA-BBS012	M420	ENEM4315	TURBINE DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	09/25/02 1 A	12/16/02	-	01/14/03	-	01/14/03	-	03/16/03	-		20%
FA-BBS013	M420	ENEM4315	TURBINE DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	09/25/02 1 A	12/16/02	-	01/14/03	-	01/14/03	-	03/16/03	-		20%
FA-BBS014	M420	ENEM4315	TURBINE DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	09/25/02 1 A	12/16/02	-	01/14/03	-	01/14/03	-	03/16/03	-		20%
FA-BBS015	M420	ENEM4315	TURBINE DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	09/25/02 1 A	12/16/02	-	01/14/03	-	01/14/03	-	03/16/03	-		20%
AA-AEX001	M420	ENEM4615	AIR EXTRACTION SUCTION PIPING ISOMETRIC	07/10/02	1	07/30/02	10/31/02 1 A	09/11/02	-	09/11/02	-	11/11/02	-		50%
AA-AEX002	M420	ENEM4615	AIR EXTRACTION DISCH PIPING ISOMETRIC	07/10/02	1	07/30/02	10/31/02 1 A	09/11/02	-	09/11/02	-	11/11/02	-		50%
AA-AEX003	M420	ENEM4615	AIR EXTRACTION DISCH PIPING ISOMETRIC	07/10/02	1	07/30/02	10/31/02 1 A	09/11/02	-	09/11/02	-	11/11/02	-		50%
A-SDN001	M420	ENEM4315	HRSG HP DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
A-SDN002	M420	ENEM4315	HRSG HP DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
A-SDN003	M420	ENEM4315	HRSG HP DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
A-SDN004	M420	ENEM4315	HRSG IP DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%

CALPINE - METCALF ENERGY CENTER

MECHANICAL DRAWING SCHEDULE

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
GFA-SDN005	M420	ENEM4315	HRSG IP DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
GFA-SDN006	M420	ENEM4315	HRSG IP DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
GFA-SDN007	M420	ENEM4315	HRSG IP DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
GFA-SDN008	M420	ENEM4315	HRSG IP DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
GFA-SDN009	M420	ENEM4315	HRSG LP DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
GFA-SDN010	M420	ENEM4315	HRSG LP DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
GFA-SDN011	M420	ENEM4315	HRSG LP DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
GFA-SDN012	M420	ENEM4315	HRSG DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
GFA-SDN013	M420	ENEM4315	HRSG DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
GFA-SDN014	M420	ENEM4315	HRSG DRAIN SYSTEM PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
GFA-SDN015	M420	ENEM4315	HRSG DRAIN SYSTEM PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
GFA-SDN016	M420	ENEM4315	BLOWDOWN TANK DRAIN PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
GFA-SDN017	M420	ENEM4315	BLOWDOWN TANK DRAIN PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
GFA-SDN018	M420	ENEM4315	HRSG HP DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
GFA-SDN019	M420	ENEM4315	HRSG HP DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
GFA-SDN020	M420	ENEM4315	HRSG HP DRAIN SYSTEM, PIPING ISOMETRIC	11/21/02	1	12/16/02	09/27/02 1 A	01/14/03	10/31/02 1 A	01/14/03	-	03/16/03	-	A	70%
AA-WWC001	M420	ENEM3720	WASTE WATER COLLECTION	07/08/02	-	08/09/02	-	01/20/03	-	01/20/03	-	03/22/03	-		0%
AA-WWC002	M420	ENEM3720	WASTE WATER COLLECTION	07/08/02	-	08/09/02	-	01/20/03	-	01/20/03	-	03/22/03	-		0%
AA-WWC003	M420	ENEM3720	WASTE WATER COLLECTION	07/08/02	-	08/09/02	-	01/20/03	-	01/20/03	-	03/22/03	-		0%
AA-WWC004	M420	ENEM3720	WASTE WATER COLLECTION	07/08/02	-	08/09/02	-	01/20/03	-	01/20/03	-	03/22/03	-		0%
AA-WWC005	M420	ENEM3720	WASTE WATER COLLECTION	07/08/02	-	08/09/02	-	01/20/03	-	01/20/03	-	03/22/03	-		0%
BA-SAX001	M420	ENEM3120	AUXILIARY STEAM SYSTEM	04/08/02	07/30/02 1 A	05/03/02	1	07/01/02	08/30/02 1 A	09/26/02	-	11/26/02	-	A	70%
BA-SAX002	M420	ENEM3120	AUXILIARY STEAM SYSTEM	04/08/02	07/30/02 1 A	05/03/02	1	07/01/02	08/30/02 1 A	09/26/02	-	11/26/02	-	A	70%
BA-SAX003	M420	ENEM3120	AUXILIARY STEAM SYSTEM	04/08/02	07/30/02 1 A	05/03/02	1	07/01/02	08/30/02 1 A	09/26/02	-	11/26/02	-	A	70%
BA-SAX004	M420	ENEM3120	AUXILIARY STEAM SYSTEM	04/08/02	07/30/02 1 A	05/03/02	1	07/01/02	08/30/02 1 A	09/26/02	-	11/26/02	-	A	70%
BA-SAX005	M420	ENEM3120	AUXILIARY STEAM SYSTEM	04/08/02	07/30/02 1 A	05/03/02	1	07/01/02	08/30/02 1 A	09/26/02	-	11/26/02	-	A	70%
BA-SAX006	M420	ENEM3120	AUXILIARY STEAM SYSTEM	04/08/02	07/30/02 1 A	05/03/02	1	07/01/02	08/30/02 1 A	09/26/02	-	11/26/02	-	A	70%
XX-PWS001	M420	ENEM4015	POTABLE WATER SYSTEM	08/02/02	-	08/28/02	-	09/27/02	-	09/27/02	-	11/27/02	-		0%
XX-PWS002	M420	ENEM4015	POTABLE WATER SYSTEM	08/02/02	-	08/28/02	-	09/27/02	-	09/27/02	-	11/27/02	-		0%
XX-PWS003	M420	ENEM4015	POTABLE WATER SYSTEM	08/02/02	-	08/28/02	-	09/27/02	-	09/27/02	-	11/27/02	-		0%
GA-DMN001	M420	ENEM3420	DEMINERALIZED SYSTEM	04/23/02	-	05/20/02	-	06/18/02	-	06/18/02	-	08/18/02	-		0%
GA-DMN002	M420	ENEM3420	DEMINERALIZED SYSTEM	04/23/02	-	05/20/02	-	06/18/02	-	06/18/02	-	08/18/02	-		0%
GA-DMN003	M420	ENEM3420	DEMINERALIZED SYSTEM	04/23/02	-	05/20/02	-	06/18/02	-	06/18/02	-	08/18/02	-		0%
GA-DMN002	M420	ENEM3420	DEMINERALIZED SYSTEM	04/23/02	-	05/20/02	-	06/18/02	-	06/18/02	-	08/18/02	-		0%
GA-DMN003	M420	ENEM3420	DEMINERALIZED SYSTEM	04/23/02	-	05/20/02	-	06/18/02	-	06/18/02	-	08/18/02	-		0%

CALPINE - METCALF ENERGY CENTER

INSTRUMENTATION & CONTROL DRAWING SCHEDULE

3/2/02

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
			LISTS & SCHEDULES		0		0		0		0		0		0%
INS LST	5J10	ENEI2210	INSTRUMENT LIST	12/17/01	12/17/01 1 A	06/01/02	0	N/A	0	03/16/03	0	05/15/03	0		20%
CV LST	5J10	ENEI2210	CONTROL VALVE LIST	12/17/01	12/17/01 1 A	06/01/02	0	N/A	0	03/16/03	0	05/15/03	0		20%
DCS LST	5J20	ENEI2205	DCS I/O LIST	12/17/01	12/17/01 1 A	04/01/02	0	N/A	0	03/13/03	0	05/13/03	0		20%
					0		0		0		0		0		
			INSTRUMENT LOOPS		0		0		0		0		0		
IL-CVR-001	J100	ENEI1190	INSTRUMENT LOOPS - COVER / DRAWING LIST	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-GEN-001	J100	ENEI1190	INSTRUMENT LOOPS - GENERAL NOTES	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-SHP-001	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 1	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-SHP-002	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 2	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-SHP-003	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 3	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-SHP-004	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 4	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-SHP-005	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 5	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-SHP-006	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 6	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-SHP-007	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 7	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-SHP-008	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 8	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-SHP-009	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 9	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-010	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 10	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-011	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 11	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-012	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 12	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-013	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 13	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-014	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 14	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-015	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 15	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-016	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 16	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-017	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 17	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-018	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 18	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-019	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 19	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-020	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 20	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-021	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 21	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-022	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 22	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-023	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 23	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-024	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 24	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-025	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 25	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-026	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 26	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-027	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 27	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-028	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 28	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-029	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 29	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-030	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 30	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-031	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 31	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-032	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 32	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-033	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 33	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-034	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 34	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-035	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 35	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-036	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 36	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-037	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 37	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-038	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 38	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SHP-039	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 39	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SSC-001	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 40	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SSC-002	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 41	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SSC-003	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 42	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%

CALPINE - METCALF ENERGY CENTER
INSTRUMENTATION & CONTROL DRAWING SCHEDULE

3/2/02

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
-SSC-004	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 43	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSC-005	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 44	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSC-006	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 45	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSC-007	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 46	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSC-008	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 47	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSC-009	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 481	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSC-010	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 49	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSC-011	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 50	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSC-012	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 51	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSC-013	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 52	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSC-014	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 53	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSC-015	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 54	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSC-016	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 55	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSC-017	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 56	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-001	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 57	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-002	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 58	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-003	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 59	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-004	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 60	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-005	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 61	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-006	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 62	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-007	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 63	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-008	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 64	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-009	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 65	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-010	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 66	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-011	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 67	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-012	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 68	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-013	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 69	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-014	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 70	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-015	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 71	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-016	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 72	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-017	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 73	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-018	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 74	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-019	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 75	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-020	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 76	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-021	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 77	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-022	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 78	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SSH-023	J100	ENEI1190	INSTRUMENT LOOPS - MAIN STEAM SYS - SH 79	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SIP-001	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 1	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SIP-002	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 2	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SIP-003	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 3	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SIP-004	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 4	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SIP-005	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 5	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SIP-006	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 6	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SIP-007	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 7	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SIP-008	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 8	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SIP-009	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 9	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SIP-010	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 10	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SIP-011	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 11	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SIP-012	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 12	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SIP-013	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 13	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-SIP-014	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 14	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%

CALPINE - METCALF ENERGY CENTER
INSTRUMENTATION & CONTROL DRAWING SCHEDULE

3/2/02

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
L-SIP-015	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 15	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SIP-016	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 16	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SIP-017	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 17	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SIP-018	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 18	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SIP-019	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 19	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SIP-020	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 20	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SIP-021	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 21	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SIP-022	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 22	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SIP-023	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 23	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SIP-024	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 24	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SIP-025	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 25	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SIP-026	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 26	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SIP-027	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 27	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SIP-028	J100	ENEI1190	INSTRUMENT LOOPS - IP STEAM SYS - SH 28	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-001	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 1	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-002	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 2	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-003	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 3	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-004	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 4	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-005	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 5	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-006	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 6	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-007	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 7	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-008	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 8	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-009	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 9	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-010	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 10	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-011	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 11	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-012	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 12	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-013	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 13	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-014	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 14	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-015	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 15	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-016	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 16	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-017	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 17	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-018	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 18	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-019	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 19	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-020	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 20	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-021	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 21	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-022	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 22	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-023	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 23	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-024	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 24	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-025	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 25	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-026	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 26	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-027	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 27	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-028	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 28	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-029	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 29	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-030	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 30	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-031	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 31	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-032	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 32	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-033	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 33	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-034	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 34	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-035	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 35	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-036	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 36	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-037	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 37	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%

CALPINE - METCALF ENERGY CENTER
INSTRUMENTATION & CONTROL DRAWING SCHEDULE

3/2/02

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
L-SLP-038	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 38	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-039	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 39	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-040	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 40	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-041	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 41	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-042	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 42	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-043	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 43	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-044	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 44	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-045	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 45	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-046	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 46	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-047	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 47	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-048	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 48	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-049	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 49	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-050	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 50	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-051	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 51	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-052	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 52	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-053	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 53	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-054	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 54	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-055	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 55	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-056	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 56	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SLP-057	J100	ENEI1190	INSTRUMENT LOOPS - LP STEAM SYS - SH 57	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-001	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 1	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-002	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 2	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-003	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 3	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-004	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 4	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-005	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 5	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-006	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 6	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-007	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 7	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-008	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 8	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-009	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 9	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-010	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 10	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-011	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 11	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-012	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 12	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-013	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 13	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-014	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 14	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-015	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 15	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-016	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 16	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-017	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 17	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-018	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 18	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-019	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 19	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-020	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 20	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-021	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 21	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-022	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 22	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-023	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 23	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-024	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 24	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-025	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 25	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-026	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 26	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-027	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 27	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-028	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 28	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-029	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 29	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-030	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 30	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-031	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 31	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%

CALPINE - METCALF ENERGY CENTER

INSTRUMENTATION & CONTROL DRAWING SCHEDULE

3/2/02

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
IL-BFW-032	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 32	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-033	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 33	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-034	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 34	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-035	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 35	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-036	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 36	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-037	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 37	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-038	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 38	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-039	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 39	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-040	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 40	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-041	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 41	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-042	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 42	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-043	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 43	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-044	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 44	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-045	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 45	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-046	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 46	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-047	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 47	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-048	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 48	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-049	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 49	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-050	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 50	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-051	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 51	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-052	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 52	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-053	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 53	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-054	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 54	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-055	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 55	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-056	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 56	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-057	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 57	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-058	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 58	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-059	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 59	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-060	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 60	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-061	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 61	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-062	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 62	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-063	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 63	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-064	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 64	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-065	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 65	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-066	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 66	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-067	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 67	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-068	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 68	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-069	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 69	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-070	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 70	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-071	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 71	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-072	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 72	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-073	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 73	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-074	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 74	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-075	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 75	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-076	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 76	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-077	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 77	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-078	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 78	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-079	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 79	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-080	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 80	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-081	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 81	11/18/02	0	01/13/03	0	06/19/03	0	06/03/03	0	08/03/03	0		0%
-BFW-082	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 82	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%

CALPINE - METCALF ENERGY CENTER

INSTRUMENTATION & CONTROL DRAWING SCHEDULE

3/2/02

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
IL-BFW-083	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 83	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-084	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 84	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-085	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 85	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-086	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 86	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-087	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 87	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-BFW-088	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 88	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-089	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 89	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-090	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 90	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-091	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 91	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-092	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 92	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-093	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 93	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-BFW-094	J100	ENEI1190	INSTRUMENT LOOPS - FEEDWATER SYS - SH 94	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CNS-001	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 1	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CNS-002	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 2	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CNS-003	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 3	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CNS-004	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 4	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CNS-005	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 5	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CNS-006	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 6	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CNS-007	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 7	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CNS-008	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 8	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CNS-009	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 9	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CNS-010	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 10	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CNS-011	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 11	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CNS-012	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 12	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CNS-013	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 13	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CNS-014	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 14	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CNS-015	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 15	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-016	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 16	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-017	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 17	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-018	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 18	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-019	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 19	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-020	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 20	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-021	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 21	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-022	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 22	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-023	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 23	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-024	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 24	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-025	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 25	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-026	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 26	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-027	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 27	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-028	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 28	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-029	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 29	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-030	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 30	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-031	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 31	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-032	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 32	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-033	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 33	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-034	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 34	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-035	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 35	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-036	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 36	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-037	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 37	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-038	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 38	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-CNS-039	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 39	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%

CALPINE - METCALF ENERGY CENTER

INSTRUMENTATION & CONTROL DRAWING SCHEDULE

3/2/02

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
L-CNS-040	J100	ENEI1190	INSTRUMENT LOOPS - CONDENSATE SYS - SH 40	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CWS-001	J100	ENEI1190	INSTRUMENT LOOPS - CIRC WATER SYS - SH 1	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CWS-002	J100	ENEI1190	INSTRUMENT LOOPS - CIRC WATER SYS - SH 2	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CWS-003	J100	ENEI1190	INSTRUMENT LOOPS - CIRC WATER SYS - SH 3	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CWS-004	J100	ENEI1190	INSTRUMENT LOOPS - CIRC WATER SYS - SH 4	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CWS-005	J100	ENEI1190	INSTRUMENT LOOPS - CIRC WATER SYS - SH 5	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CWS-006	J100	ENEI1190	INSTRUMENT LOOPS - CIRC WATER SYS - SH 6	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CWS-007	J100	ENEI1190	INSTRUMENT LOOPS - CIRC WATER SYS - SH 7	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CWS-008	J100	ENEI1190	INSTRUMENT LOOPS - CIRC WATER SYS - SH 8	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CWS-009	J100	ENEI1190	INSTRUMENT LOOPS - CIRC WATER SYS - SH 9	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CWS-010	J100	ENEI1190	INSTRUMENT LOOPS - CIRC WATER SYS - SH 10	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CWS-011	J100	ENEI1190	INSTRUMENT LOOPS - CIRC WATER SYS - SH 11	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CWS-012	J100	ENEI1190	INSTRUMENT LOOPS - CIRC WATER SYS - SH 12	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-CWS-013	J100	ENEI1190	INSTRUMENT LOOPS - CIRC WATER SYS - SH 13	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-IAS-001	J100	ENEI1190	INSTRUMENT LOOPS - INSTRUM & SERV AIR SYS SH 1	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-IAS-002	J100	ENEI1190	INSTRUMENT LOOPS - INSTRUM & SERV AIR SYS SH 2	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-001	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 1	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-002	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 2	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-003	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 3	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-004	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 4	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-005	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 5	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-006	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 6	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-007	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 7	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-008	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 8	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-009	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 9	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-010	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 10	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-011	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 11	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-012	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 12	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-013	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 13	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-014	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 14	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-015	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 15	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-016	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 16	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-017	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 17	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-018	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 18	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-019	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 19	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-020	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 20	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-FGS-021	J100	ENEI1190	INSTRUMENT LOOPS - FUEL GAS SUPPLY SYS SH 21	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-ACW-001	J100	ENEI1190	INSTRUMENT LOOPS - AUX COOLING WATER SYS SH 1	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-ACW-002	J100	ENEI1190	INSTRUMENT LOOPS - AUX COOLING WATER SYS SH 2	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-ACW-003	J100	ENEI1190	INSTRUMENT LOOPS - AUX COOLING WATER SYS SH 3	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-ACW-004	J100	ENEI1190	INSTRUMENT LOOPS - AUX COOLING WATER SYS SH 4	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
CCF-001	J100	ENEI1190	INSTRUMENT LOOPS - CHEMICAL FEED SYS SH 1	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
CCF-002	J100	ENEI1190	INSTRUMENT LOOPS - CHEMICAL FEED SYS SH 2	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
CCF-003	J100	ENEI1190	INSTRUMENT LOOPS - CHEMICAL FEED SYS SH 3	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
CCF-004	J100	ENEI1190	INSTRUMENT LOOPS - CHEMICAL FEED SYS SH 4	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
CCF-005	J100	ENEI1190	INSTRUMENT LOOPS - CHEMICAL FEED SYS SH 5	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
CCF-006	J100	ENEI1190	INSTRUMENT LOOPS - CHEMICAL FEED SYS SH 6	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
CCF-007	J100	ENEI1190	INSTRUMENT LOOPS - CHEMICAL FEED SYS SH 7	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
CCF-008	J100	ENEI1190	INSTRUMENT LOOPS - CHEMICAL FEED SYS SH 8	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
CCF-009	J100	ENEI1190	INSTRUMENT LOOPS - CHEMICAL FEED SYS SH 9	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
CCF-010	J100	ENEI1190	INSTRUMENT LOOPS - CHEMICAL FEED SYS SH 10	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%

CALPINE - METCALF ENERGY CENTER

INSTRUMENTATION & CONTROL DRAWING SCHEDULE

3/2/02

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
L-CCF-011	J100	ENEI1190	INSTRUMENT LOOPS - CHEMICAL FEED SYS SH 11	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-SWS-001	J100	ENEI1190	INSTRUMENT LOOPS - MAKE-UP WATER SYS SH 1	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-SWS-002	J100	ENEI1190	INSTRUMENT LOOPS - MAKE-UP WATER SYS SH 2	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-SWS-003	J100	ENEI1190	INSTRUMENT LOOPS - MAKE-UP WATER SYS SH 3	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-SWS-004	J100	ENEI1190	INSTRUMENT LOOPS - MAKE-UP WATER SYS SH 4	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-SWS-005	J100	ENEI1190	INSTRUMENT LOOPS - MAKE-UP WATER SYS SH 5	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-SWS-006	J100	ENEI1190	INSTRUMENT LOOPS - MAKE-UP WATER SYS SH 6	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-SWS-007	J100	ENEI1190	INSTRUMENT LOOPS - MAKE-UP WATER SYS SH 7	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-SWS-008	J100	ENEI1190	INSTRUMENT LOOPS - MAKE-UP WATER SYS SH 8	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-SWS-009	J100	ENEI1190	INSTRUMENT LOOPS - MAKE-UP WATER SYS SH 9	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-SWS-010	J100	ENEI1190	INSTRUMENT LOOPS - MAKE-UP WATER SYS SH 10	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-DMN-001	J100	ENEI1190	INSTRUMENT LOOPS - DEMIN WATER SYS SH 1	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-DMN-002	J100	ENEI1190	INSTRUMENT LOOPS - DEMIN WATER SYS SH 2	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-DMN-003	J100	ENEI1190	INSTRUMENT LOOPS - DEMIN WATER SYS SH 3	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-DMN-004	J100	ENEI1190	INSTRUMENT LOOPS - DEMIN WATER SYS SH 4	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-WWC-001	J100	ENEI1190	INSTRUMENT LOOPS - WASTE WATER SYS SH 1	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-WWC-002	J100	ENEI1190	INSTRUMENT LOOPS - WASTE WATER SYS SH 2	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-WWC-003	J100	ENEI1190	INSTRUMENT LOOPS - WASTE WATER SYS SH 3	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-WWC-004	J100	ENEI1190	INSTRUMENT LOOPS - WASTE WATER SYS SH 4	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-CCW-001	J100	ENEI1190	INSTRUMENT LOOPS - CLOSED COOLING WATER SH 1	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-CCW-002	J100	ENEI1190	INSTRUMENT LOOPS - CLOSED COOLING WATER SH 2	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-CCW-003	J100	ENEI1190	INSTRUMENT LOOPS - CLOSED COOLING WATER SH 3	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-CCW-004	J100	ENEI1190	INSTRUMENT LOOPS - CLOSED COOLING WATER SH 4	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-CCW-005	J100	ENEI1190	INSTRUMENT LOOPS - CLOSED COOLING WATER SH 5	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-CCW-006	J100	ENEI1190	INSTRUMENT LOOPS - CLOSED COOLING WATER SH 6	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-CTG-001	J100	ENEI1190	INSTRUMENT LOOPS - CTG SH 1	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-CTG-002	J100	ENEI1190	INSTRUMENT LOOPS - CTG SH 2	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-CTG-003	J100	ENEI1190	INSTRUMENT LOOPS - CTG SH 3	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-CTG-004	J100	ENEI1190	INSTRUMENT LOOPS - CTG SH 4	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-CTG-005	J100	ENEI1190	INSTRUMENT LOOPS - CTG SH 5	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-CTG-006	J100	ENEI1190	INSTRUMENT LOOPS - CTG SH 6	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-AST-001	J100	ENEI1190	INSTRUMENT LOOPS - AST SH 1	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-AST-002	J100	ENEI1190	INSTRUMENT LOOPS - AST SH 2	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-BBS-001	J100	ENEI1190	INSTRUMENT LOOPS - BBS SH 1	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-DBU-001	J100	ENEI1190	INSTRUMENT LOOPS - DBU SH 1	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-DBU-002	J100	ENEI1190	INSTRUMENT LOOPS - DBU SH 2	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-DBU-003	J100	ENEI1190	INSTRUMENT LOOPS - DBU SH 3	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-DBU-004	J100	ENEI1190	INSTRUMENT LOOPS - DBU SH 4	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-DBU-005	J100	ENEI1190	INSTRUMENT LOOPS - DBU SH 5	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-DBU-006	J100	ENEI1190	INSTRUMENT LOOPS - DBU SH 6	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-DBU-007	J100	ENEI1190	INSTRUMENT LOOPS - DBU SH 7	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-DBU-008	J100	ENEI1190	INSTRUMENT LOOPS - DBU SH 8	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-ELA-001	J100	ENEI1190	INSTRUMENT LOOPS - ELA SH 1	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-ELA-002	J100	ENEI1190	INSTRUMENT LOOPS - ELA SH 2	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-ELA-003	J100	ENEI1190	INSTRUMENT LOOPS - ELA SH 3	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-ELA-004	J100	ENEI1190	INSTRUMENT LOOPS - ELA SH 4	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-ELA-005	J100	ENEI1190	INSTRUMENT LOOPS - ELA SH 5	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-ELA-006	J100	ENEI1190	INSTRUMENT LOOPS - ELA SH 6	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-EMA-001	J100	ENEI1190	INSTRUMENT LOOPS - EMA SH 1	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-EMA-002	J100	ENEI1190	INSTRUMENT LOOPS - EMA SH 2	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%
L-EMA-003	J100	ENEI1190	INSTRUMENT LOOPS - EMA SH 3	11/18/02	0	01/13/03	0	05/19/03	0	08/03/03	0	08/03/03	0		0%

CALPINE - METCALF ENERGY CENTER

INSTRUMENTATION & CONTROL DRAWING SCHEDULE

3/2/02

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 60% SCH	ISSUED FOR INTERNAL REVIEW 60% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
IL-EMA-004	J100	ENEI1190	INSTRUMENT LOOPS - EMA SH 4	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-EMA-005	J100	ENEI1190	INSTRUMENT LOOPS - EMA SH 5	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-EMA-006	J100	ENEI1190	INSTRUMENT LOOPS - EMA SH 6	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-HRF-001	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 1	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-HRF-002	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 2	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-HRF-003	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 3	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-004	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 4	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-005	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 5	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-006	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 6	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-007	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 7	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-008	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 8	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-009	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 9	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-010	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 10	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-011	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 11	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-012	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 12	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-013	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 13	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-014	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 14	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-015	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 15	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-016	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 16	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-017	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 17	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-018	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 18	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-HRF-019	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 19	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-020	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 20	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-021	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 21	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-022	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 22	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-023	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 23	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-024	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 24	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-025	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 25	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-026	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 26	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-027	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 27	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-028	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 28	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-029	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 29	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-030	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 30	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-031	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 31	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-032	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 32	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-033	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 33	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-034	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 34	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-035	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 35	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-036	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 36	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-037	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 37	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-038	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 38	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-039	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 39	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-040	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 40	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-041	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 41	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-042	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 42	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-043	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 43	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-044	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 44	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-045	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 45	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-046	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 46	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-047	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 47	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
-HRF-048	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 48	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%

CALPINE - METCALF ENERGY CENTER

INSTRUMENTATION & CONTROL DRAWING SCHEDULE

3/2/02

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
IL-HRF-049	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 49	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-HRF-050	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 50	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-HRF-051	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 51	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-HRF-052	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 52	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-HRF-053	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 53	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-HRF-054	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 54	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-HRF-055	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 55	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-HRF-056	J100	ENEI1190	INSTRUMENT LOOPS - HRF SH 56	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-PAG-001	J100	ENEI1190	INSTRUMENT LOOPS - PAG SH 1	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-PAG-002	J100	ENEI1190	INSTRUMENT LOOPS - PAG SH 2	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-PAG-003	J100	ENEI1190	INSTRUMENT LOOPS - PAG SH 3	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-PAG-004	J100	ENEI1190	INSTRUMENT LOOPS - PAG SH 4	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-PAG-005	J100	ENEI1190	INSTRUMENT LOOPS - PAG SH 5	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-PAG-006	J100	ENEI1190	INSTRUMENT LOOPS - PAG SH 6	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-PAG-007	J100	ENEI1190	INSTRUMENT LOOPS - PAG SH 7	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-PAG-008	J100	ENEI1190	INSTRUMENT LOOPS - PAG SH 8	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
IL-PAG-009	J100	ENEI1190	INSTRUMENT LOOPS - PAG SH 9	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-PAG-010	J100	ENEI1190	INSTRUMENT LOOPS - PAG SH 10	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SAX-001	J100	ENEI1190	INSTRUMENT LOOPS - SAX SH 1	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SAX-002	J100	ENEI1190	INSTRUMENT LOOPS - SAX SH 2	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SAX-003	J100	ENEI1190	INSTRUMENT LOOPS - SAX SH 3	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SAX-004	J100	ENEI1190	INSTRUMENT LOOPS - SAX SH 4	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SAX-005	J100	ENEI1190	INSTRUMENT LOOPS - SAX SH 5	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SAX-006	J100	ENEI1190	INSTRUMENT LOOPS - SAX SH 6	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SDN-001	J100	ENEI1190	INSTRUMENT LOOPS - SDN SH 1	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SDN-002	J100	ENEI1190	INSTRUMENT LOOPS - SDN SH 2	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SDN-003	J100	ENEI1190	INSTRUMENT LOOPS - SDN SH 3	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SDN-004	J100	ENEI1190	INSTRUMENT LOOPS - SDN SH 4	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SCR-001	J100	ENEI1190	INSTRUMENT LOOPS - SCR SH 1	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SCR-002	J100	ENEI1190	INSTRUMENT LOOPS - SCR SH 2	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SCR-003	J100	ENEI1190	INSTRUMENT LOOPS - SCR SH 3	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SCR-004	J100	ENEI1190	INSTRUMENT LOOPS - SCR SH 4	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SCR-005	J100	ENEI1190	INSTRUMENT LOOPS - SCR SH 5	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SCR-006	J100	ENEI1190	INSTRUMENT LOOPS - SCR SH 6	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SCR-007	J100	ENEI1190	INSTRUMENT LOOPS - SCR SH 7	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SCR-008	J100	ENEI1190	INSTRUMENT LOOPS - SCR SH 8	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SCR-009	J100	ENEI1190	INSTRUMENT LOOPS - SCR SH 9	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SCR-010	J100	ENEI1190	INSTRUMENT LOOPS - SCR SH 10	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SCR-011	J100	ENEI1190	INSTRUMENT LOOPS - SCR SH 11	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
L-SCR-012	J100	ENEI1190	INSTRUMENT LOOPS - SCR SH 12	11/18/02	0	01/13/03	0	05/19/03	0	06/03/03	0	08/03/03	0		0%
			LOGIC DIAGRAMS												
T-I-2007-ACW (17 SH.)	P008	ENEI2055	AUXILIARY COOLING WATER	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
T-I-3050-AGC (14 SH.)	P008	ENEI2055	AUTOMATIC GENERATION CONTROL	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
T-I-2015-AST (14 SH.)	P008	ENEI2055	AMMONIA STORAGE AND TRANSFER	01/07/02	1/7/02 1 A	03/21/02	10/31/02 1 A	11/11/02	0	12/12/02	0	02/11/03	0		60%
T-I-2023-BFW (134 SH.)	P008	ENEI2055	BOILER FEEDWATER	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
T-I-2027-CCF (20 SH.)	P008	ENEI2055	CYCLE CHEMICAL FEED	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
T-I-2037-CNS (52 SH.)	P008	ENEI2055	CONDENSATE	01/07/02	1/7/02 1 A	03/21/02	10/31/02 1 A	11/11/02	0	12/12/02	0	02/11/03	0		50%
T-I-2042-CWS (32 SH.)	P008	ENEI2055	CIRCULATING WATER	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
T-I-2052-FWS (4 SH.)	P008	ENEI2055	FIRE WATER	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%

CALPINE - METCALF ENERGY CENTER

INSTRUMENTATION & CONTROL DRAWING SCHEDULE

3/2/02

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
MT-I-2057-IAS (5 SH.)	P008	ENEI2055	INSTRUMENT AIR	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
MT-I-2060-PAG (18 SH.)	P008	ENEI2055	POWER AUGMENTATION	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
MT-I-2062-SAP (36 SH.)	P008	ENEI2055	SAMPLING ANALYSIS SYSTEM	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
MT-I-2067-SAX (42 SH.)	P008	ENEI2055	AUXILIARY STEAM	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
MT-I-3041-SBS (84 SH.)	P008	ENEI2055	STEAM BYPASS	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
MT-I-2071-SHP (22 SH.)	P008	ENEI2055	HIGH PRESSURE STEAM	01/07/02	1/7/02 1 A	03/21/02	10/31/02 1 A	11/11/02	0	12/12/02	0	02/11/03	0		50%
MT-I-2073-SLP (18 SH.)	P008	ENEI2055	LOW PRESSURE STEAM	01/07/02	1/7/02 1 A	03/21/02	10/31/02 1 A	11/11/02	0	12/12/02	0	02/11/03	0		50%
MT-I-2075-SSC (22 SH.)	P008	ENEI2055	COLD REHEAT	01/07/02	1/7/02 1 A	03/21/02	10/31/02 1 A	11/11/02	0	12/12/02	0	02/11/03	0		50%
MT-I-2077-SSH (23 SH.)	P008	ENEI2055	HOT REHEAT	01/07/02	1/7/02 1 A	03/21/02	10/31/02 1 A	11/11/02	0	12/12/02	0	02/11/03	0		50%
MT-I-2082-TCF (14 SH.)	P008	ENEI2055	TOWER CHEMICAL FEED	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
MT-I-2038-CEM (6 SH.)	P008	ENEI2055	CONTINUOUS EMISSIONS MONITORING	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
MT-I-2018-BBS (16 SH.)	P008	ENEI2055	BOILER BLOWDOWN	01/07/02	1/7/02 1 A	03/21/02	10/31/02 1 A	11/11/02	0	12/12/02	0	02/11/03	0		50%
MT-I-3042-WMS (5 SH.)	P008	ENEI2055	WEATHER MONITORING STATION	01/07/02	1/7/02 1 A	03/21/02	10/31/02 1 A	11/11/02	0	12/12/02	0	02/11/03	0		50%
MT-I-2080-SWS (5 SH.)	P008	ENEI2055	SERVICE WATER	01/07/02	1/7/02 1 A	03/21/02	10/31/02 1 A	11/11/02	0	12/12/02	0	02/11/03	0		50%
MT-I-3012-CTG (6 SH.)	P008	ENEI2055	COMBUSTION TURBINE GENERATOR	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
MT-I-3033-STG (4 SH.)	P008	ENEI2055	STEAM TURBINE GENERATOR	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
MT-I-2031-CCW (31 SH.)	P008	ENEI2055	CLOSED COOLING WATER	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
MT-I-0024-EHA (16 SH.)	P008	ENEI2055	HIGH VOLTAGE AC	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
MT-I-2045-DMN (21 SH.)	P008	ENEI2055	DEMINERALIZED WATER	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
MT-I-2088-HRF (13 SH.)	P008	ENEI2055	HRSG FLUE GAS	01/07/02	1/7/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
MT-I-0005-EMA (22 SH.)	P008	ENEI2055	MEDIUM VOLTAGE AC	01/07/02	10/3/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
MT-I-2061-PWS (5 SH.)	P008	ENEI2055	POTABLE WATER	01/07/02	0 P	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		0%
MT-I-2089-SDN (6 SH.)	P008	ENEI2055	STEAM DRAINS	01/07/02	10/3/02 1 A	03/21/02	10/31/02 1 A	11/11/02	0	12/12/02	0	02/11/03	0		50%
MT-I-0013-ELA (39 SH.)	P008	ENEI2055	LOW VOLTAGE AC	01/07/02	10/3/02 1 A	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		20%
MT-I-????-DBU (6 SH.)	P008	ENEI2055	DUCT BURNER	01/07/02	0 P	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		0%
MT-I-????-EDC (4 SH.)	P008	ENEI2055	DC POWER	01/07/02	0 P	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		0%
MT-I-2046-FGS (27 SH.)	P008	ENEI2055	FUEL GAS	01/07/02	0 P	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		0%
MT-I-2079-SSW (3 SH.)	P008	ENEI2055	SANITARY SEWER	01/07/02	0 P	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		0%
MT-I-2084-WWC (21 SH.)	P008	ENEI2055	WASTE WATER COLLECTION	01/07/02	0 P	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		0%
MT-I-2011-AEX (16 SH.)	P008	ENEI2055	AIR EXTRACTION	01/07/02	10/3/02 1 A	03/21/02	10/31/02 1 A	11/11/02	0	12/12/02	0	02/11/03	0		50%
MT-I-????-EGS (4 SH.)	P008	ENEI2055	EMERGENCY GENERATOR	01/07/02	0 P	03/21/02	0	11/11/02	0	12/12/02	0	02/11/03	0		0%
					0		0		0		0		0		0%
			INSTRUMENT INSTALLATION DETAILS		0		0		0		0		0		0%
G-000	J400	ENEI2130	INSTRUM INSTALLATION DETAILS -Gen Notes SHT 1	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
G-000	J400	ENEI2130	INSTRUM INSTALLATION DETAILS -Gen Notes SHT 2	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
G-000	J400	ENEI2130	INSTRUM INSTALLATION DETAILS -Gen Notes SHT 3	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
G-001	J400	ENEI2130	DP INSTRUMENT, AIR/GAS SERVICE	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
G-002	J400	ENEI2130	DP INSTRUMENT, STEAM/LIQUID SERVICE LP	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
G-003	J400	ENEI2130	DP INSTRUMENT, STEAM/LIQUID SERVICE LP	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
G-004	J400	ENEI2130	LOCAL MOUNTED INSTRUMENT - LP	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
G-005	J400	ENEI2130	REMOTE MOUNTED INSTRUMENT - LP	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
G-006	J400	ENEI2130	REMOTE MOUNTED INSTRUMENT - LP	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
G-007	J400	ENEI2130	LEVEL MEASUREMENT - CONDENSING SERVICE	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
G-008	J400	ENEI2130	REMOTE MOUNTED INSTRUMENT - LP	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
G-009	J400	ENEI2130	LOCAL OR REMOTE MOUNTED INSTRUMENT - LP	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
G-010	J400	ENEI2130	LOCAL MEASUREMENT MOUNTED ON STRONG BACK	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%

CALPINE - METCALF ENERGY CENTER

INSTRUMENTATION & CONTROL DRAWING SCHEDULE

3/2/02

STATUS: November 1, 2002

BRE DWG NO.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
FIG-011	J400	ENEI2130	LEVEL MEASUREMENT - CLG TWR BASIN/CONC TK	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
FIG-012	J400	ENEI2130	INSTRUMENT RACKS	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
FIG-013	J400	ENEI2130	INSTRUMENT SUPPORTS	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
FIG-014	J400	ENEI2130	DRIP POT LEVEL SWITCHES	03/06/02	05/03/02 1 A	N/A	05/30/02 1 A	07/10/02	07/18/02 1 A	08/22/02	08/21/02 1 A	10/22/02	0	0	90%
0001	J410	ENEI2231	INSTRUM LOCATION DWGS - SH 1	04/08/02	07/31/02 1 A	04/21/02	1	04/30/02	09/27/02 1 A	N/A	10/17/02 1 A	06/30/02	0		90%
0002	J410	ENEI2231	INSTRUM LOCATION DWGS - SH 2	04/08/02	07/31/02 1 A	04/21/02	09/23/02 1 A	04/30/02	0	N/A	0	06/30/02	0		50%
0003	J410	ENEI2231	INSTRUM LOCATION DWGS - SH 3	04/08/02	09/23/02 1 A	04/21/02	09/23/02 1 A	04/30/02	0	N/A	0	06/30/02	0		50%
0004	J410	ENEI2231	INSTRUM LOCATION DWGS - SH 4	04/08/02	09/23/02 1 A	04/21/02	1	04/30/02	1	N/A	10/17/02 1 A	06/30/02	0		90%
0005	J410	ENEI2231	INSTRUM LOCATION DWGS - SH 5	04/08/02	09/23/02 1 A	04/21/02	1	04/30/02	1	N/A	10/17/02 1 A	06/30/02	0		90%
0006	J410	ENEI2231	INSTRUM LOCATION DWGS - SH 6	04/08/02	1	04/21/02	1	04/30/02	1	N/A	10/17/02 1 A	06/30/02	0		90%
0007	J410	ENEI2231	INSTRUM LOCATION DWGS - SH 7	04/08/02	1	04/21/02	1	04/30/02	1	N/A	10/17/02 1 A	06/30/02	0		90%
LP-(LATER)	J410	ENEI2231	INSTRUM LOCATION DWGS - SH 8	04/08/02	0	04/21/02	0	04/30/02	0	N/A	0	06/30/02	0		0%
DL-RAC-001	J410	ENEI2231	INSTRUM RACK LAYOUT - SH 1	04/08/02	0	04/21/02	0	04/30/02	0	N/A	0	06/30/02	0		0%
DL-RAC-002	J410	ENEI2231	INSTRUM RACK LAYOUT - SH 2	04/08/02	0	04/21/02	0	04/30/02	0	N/A	0	06/30/02	0		0%
DL-RAC-003	J410	ENEI2231	INSTRUM RACK LAYOUT - SH 3	04/08/02	0	04/21/02	0	04/30/02	0	N/A	0	06/30/02	0		0%
DL-RAC-004	J410	ENEI2231	INSTRUM RACK LAYOUT - SH 4	04/08/02	0	04/21/02	0	04/30/02	0	N/A	0	06/30/02	0		0%
DL-RAC-005	J410	ENEI2231	INSTRUM RACK LAYOUT - SH 5	04/02/02	0	04/21/02	0	04/30/02	0	N/A	0	06/30/02	0		0%
					0		0		0		0		0		0%
			BLOCK DIAGRAMS		0		0		0		0		0		0%
C-1	E600	ENEI2430	CONTROL SYSTEM BLOCK DIAGRAM	12/04/01	12/04/01 1 A	N/A	0	N/A	0	12/19/02	0	02/18/03	0		20%
					0		0		0		0		0		0%
					0		0		0		0		0		0%
					0		0		0		0		0		0%
					0		0		0		0		0		0%

CALPINE - METCALF ENERGY CENTER

STRESS ANALYSIS SCHEDULE

November 1, 2002

RE WG O.	WBS ACT. CODE	P3 ACT NO.	DESCRIPTION	START DWG 20% SCH	START DWG 20% ACT/PROJ	ISSUED FOR INTERNAL REVIEW 50% SCH	ISSUED FOR INTERNAL REVIEW 50% ACT/PROJ	ISSUED FOR INFO AND/OR COMMENT 70% SCH	ISSUED FOR INFO AND/OR COMMENT 70% ACT/PROJ	IFC 90% SCH	IFC 90% ACT/PROJ	REV 3 OR IFC + 2 MONTHS 100% SCH	REV 3 OR IFC + 2 MONTHS 100% ACT/PROJ	LATEST ISSUE REV #	% COMPL
			STRESS - PIPING DESIGN		0		0		0		0		0		0%
	M410	ENEM2120	MAIN STEAM PIPING SYSTEM	03/25/02	06/27/02 1 A	04/12/02	0	05/24/02	0	09/26/02	0	11/26/02	0		20%
	M410	ENEM3220	HR/CR STEAM PIPING SYSTEM	03/21/02	06/27/02 1 A	04/17/02	0	05/30/02	0	09/26/02	0	11/26/02	0		20%
	M410	ENEM3130	LP STEAM PIPING SYSTEM	04/18/02	06/27/02 1 A	05/15/02	0	06/27/02	0	09/26/02	0	11/26/02	0		20%
	M410	ENEM3320	FEEDWATER PIPING SYSTEM	06/28/02	07/31/02 1 A	07/26/02	0	08/09/02	0	10/07/02	0	12/07/02	0		20%
					0		0		0		0		0		0%
			STRESS - HANGERS & SUPPORTS		0		0		0		0		0		0%
	M800		MAIN STEAM PIPING HANGERS & SUPPORTS		06/27/02 1 A		0		0		0		0		20%
	M800		HR/CR STEAM PIPING HANGERS & SUPPORTS		06/27/02 1 A		0		0		0		0		20%
	M800		LP STEAM PIPING HANGERS & SUPPORTS		06/27/02 1 A		0		0		0		0		20%
	M800		FEEDWATER PIPING HANGERS & SUPPORTS		07/31/02 1 A		0		0		0		0		20%

CALPINE - METCALF ENERGY CENTER

SPECIFICATION SCHEDULE

3/2/02

November 1, 2002

P3 ACT ID	SPEC NO.	WBS ACTIVITY CODE	DESCRIPTION	START SPEC 10% SCH	START SPEC 10% ACT/PROJ	ISSUE FOR INTERNAL REVW 50% SCH	ISSUE FOR INTERNAL REVW 50% ACT/PROJ	COMMENT ISSUE 70% SCH	COMMENT ISSUE 70% ACT/PROJ	ISSUE FOR BID 80% SCH	ISSUE FOR BID 80% ACT/PROJ	BID EVAL & IFC 90%	VENDOR DWG REVIEW 100%	REV #	% COMPL
CIVIL/STRUCTURAL/ARCH SPECS															
			DIVISION 1 - GENERAL REQUIREMENTS												
	01410	3C00	TESTING LABORATORY SERVICES	12/03/01	12/03/01 1 A		1		12/13/01 1 A		1	03/18/02 1 A	0	0	90%
	01300	3C00	SUBMITTALS	12/03/01	12/03/01 1 A		1		12/13/01 1 A		1	05/31/02 1 A	0	0	90%
	01400	3C00	QUALITY CONTROL	12/03/01	12/03/01 1 A		1		12/13/01 1 A		1	05/31/02 1 A	0	0	90%
	1700	3C00	CLOSEOUT	12/03/01	12/03/01 1 A		1		12/13/01 1 A		1	05/31/02 1 A	0	0	90%
			DIVISION 2 - SITEWORK		0		0		0		0	0	0		0%
ENEC2566	02315	3C00	EARTHWORK		12/03/01 1 A		12/14/01 1 A		12/14/01 1 A		1	07/25/02 1 A	0	0	90%
ENEC2566	02472	3C00	CONCRETE FILL PIPE PILES		12/03/01 1 A		12/14/01 1 A		12/14/01 1 A		1	03/15/02 1 A	0	0	90%
ENEC2566	02473	3C00	PILE TEST PROGRAM		12/03/01 1 A		12/14/01 1 A		12/14/01 1 A		1	03/15/02 1 A	0	1	90%
ENEC2566	02585	3C00	PRECAST CONCRETE ELECTRICAL MANHOLES		12/03/01 1 A		12/14/01 1 A		12/14/01 1 A		1	07/25/02 1 A	0	0	90%
ENEC2482	02721	3C00	AGGREGATE BASE COURSE	06/12/02	1		05/03/02 1 A	09/05/02	05/14/02 1 A		1	06/24/02 1 A	0	0	90%
ENEC2482	02740	3C00	ASPHALT PAVING	06/12/02	1		05/03/02 1 A	09/05/02	05/15/02 1 A		1	06/24/02 1 A	0	0	90%
ENEC2482	02753	3C00	PORTLAND CEMENT CONCRETE PAVEMENT	06/12/02	1		1	09/05/02	05/02/02 1 A		1	05/29/02 1 A	0	0	90%
ENEC2482	02842	3C00	PARKING BUMPERS	06/12/02	1		1	09/05/02	05/02/02 1 A		1	05/24/02 1 A	0	0	90%
					0		0		0		0	0	0		0%
			DIVISION 3 - CONCRETE		0		0		0		0	0	0		0%
ENEC2535	03100	3C00	CONCRETE FORMWORK	12/03/01	1	12/14/01	1	02/19/02	1	N/A	1	03/19/02 1 A	0	0	90%
ENEC2535	03200	3C00	CONCRETE REINFORCEMENT	12/03/01	12/13/01 1 A	12/14/01	1	02/19/02	12/14/01 1 A	N/A	1	03/15/02 1 A	0	0	90%
ENEC2535	03300	3C00	CAST-IN-PLACE CONCRETE	12/03/01	12/13/01 1 A	12/14/01	1	02/19/02	12/14/01 1 A	N/A	1	03/15/02 1 A	0	0	90%
ENEC2535	03390	3C00	CONCRETE CURING	12/03/01	1	12/14/01	1	02/19/02	1	N/A	1	03/19/02 1 A	0	0	90%
ENEC2535	03600	3C00	GROUT	12/03/01	1	12/14/01	1	02/19/02	1	N/A	1	03/19/02 1 A	0	0	90%
					0		0		0		0	0	0		0%
			DIVISION 4 - MASONRY		0		0		0		0	0	0		0%
	04065	3C00	MASONRY MORTAR AND GROUT	12/03/01	1	12/14/01	02/27/02 1 A	02/19/02	05/02/02 1 A	N/A	1	05/24/02 1 A	0	0	90%
	04300	3C00	UNIT MASONRY SYSTEM	12/03/01	1	12/14/01	02/27/02 1 A	02/19/02	05/02/02 1 A	N/A	1	05/24/02 1 A	0	0	90%
					0		0		0		0	0	0		0%
			DIVISION 5 - METALS		0		0		0		0	0	0		0%
ENEC2540	05120	3C00	STRUCTURAL STEEL	02/05/02	02/05/02 1 A	02/27/02	1	03/19/02	02/25/02 1 A	N/A	1	04/16/02 1 A	0	0	90%
ENEC2540	05210	3C00	STEEL JOISTS	02/05/02	1	02/27/02	03/25/02 1 A	03/19/02	1	N/A	1	04/16/02 1 A	0	0	90%
ENEC2540	05311	3C00	STEEL FLOOR DECK	02/05/02	02/05/02 1 A	02/27/02	1	03/19/02	02/25/02 1 A	N/A	1	04/16/02 1 A	0	0	90%
ENEC2540	05400	3C00	COLD FORMED METAL FRAMING	02/05/02	1	02/27/02	03/25/02 1 A	03/19/02	1	N/A	1	04/16/02 1 A	0	0	90%
ENEC2540	05510	3C00	METAL STAIRS AND HANDRAIL	02/05/02	02/05/02 1 A	02/27/02	1	03/19/02	02/25/02 1 A	N/A	1	04/16/02 1 A	0	0	90%
ENEC2540	05531	3C00	GRATINGS AND FLOOR PLATES	02/05/02	02/05/02 1 A	02/27/02	1	03/19/02	02/25/02 1 A	N/A	1	04/16/02 1 A	0	0	90%
					0		0		0		0	0	0		0%
			OTHER		0		0		0		0	0	0		0%
ENEC3210	13121	3C00	PRE-ENGINEERED BUILDINGS	02/28/02	1	03/28/02	02/27/02 1 A	06/25/02	05/02/02 1 A	08/09/02	1	05/24/02 1 A	0	0	90%
					0		0		0		0	0	0		0%
			DIVISION 7 - THERMAL AND MOISTURE PROTECTION		0		0		0		0	0	0		0%
NEC3205	07120	3C00	FLUID APPLIED WATERPROOFING	02/28/02	1	03/28/02	1	06/25/02	05/02/02 1 A	08/09/02	1	05/24/02 1 A	0	0	90%
NEC3205	07213	3C00	BATT INSULATION	02/28/02	1	03/28/02	03/20/02 1 A	06/25/02	03/28/02 1 A	08/09/02	04/10/02 1 A	05/24/02 1 A	0	0	90%
NEC3205	07620	3C00	SHEET METAL FLASHING AND TRIM	02/28/02	1	03/28/02	03/06/02 1 A	06/25/02	03/28/02 1 A	08/09/02	04/10/02 1 A	05/24/02 1 A	0	0	90%
NEC3205	07900	3C00	JOINT SEALERS	02/28/02	1	03/28/02	03/06/02 1 A	06/25/02	03/28/02 1 A	08/09/02	04/10/02 1 A	05/24/02 1 A	0	0	90%
					0		0		0		0	0	0		0%

CALPINE - METCALF ENERGY CENTER

SPECIFICATION SCHEDULE

3/2/02

November 1, 2002

P3 ACT ID	SPEC NO.	WBS ACTIVITY CODE	DESCRIPTION	START SPEC 10% SCH	START SPEC 10% ACT/PROJ	ISSUE FOR INTERNAL REVW 50% SCH	ISSUE FOR INTERNAL REVW 50% ACT/PROJ	COMMENT ISSUE 70% SCH	COMMENT ISSUE 70% ACT/PROJ	ISSUE FOR BID 80% SCH	ISSUE FOR BID 80% ACT/PROJ	BID EVAL & IFC 90%	VENDOR DWG REVIEW 100%	REV #	% COMPL
			DIVISION 8 - DOORS AND WINDOWS		0		0		0		0	0	0		0%
ENEC3205	08111	3C00	HOLLOW METAL DOORS	02/28/02	1	03/28/02	03/06/02 1 A	06/25/02	05/02/02 1 A	08/09/02	1	05/24/02 1 A	0	0	90%
ENEC3205	08112	3C00	HOLLOW METAL FRAMES	02/28/02	1	03/28/02	03/06/02 1 A	06/25/02	03/28/02 1 A	08/09/02	04/10/02 1 A	05/24/02 1 A	0	0	90%
ENEC3205	08331	3C00	OVERHEAD COILING DOORS	02/28/02	1	03/28/02	03/06/02 1 A	06/25/02	05/02/02 1 A	08/09/02	1	05/24/02 1 A	0	0	90%
ENEC3205	08710	3C00	DOOR HARDWARE	02/28/02	1	03/28/02	03/06/02 1 A	06/25/02	03/28/02 1 A	08/09/02	04/10/02 1 A	05/24/02 1 A	0	0	90%
ENEC3205	08800	3C00	GLAZING	02/28/02	1	03/28/02	03/18/02 1 A	06/25/02	03/28/02 1 A	08/09/02	04/10/02 1 A	05/24/02 1 A	0	0	90%
					0		0		0		0	0	0		0%
			DIVISION 9 - FINISHES		0		0		0		0	0	0		0%
ENEC3205	09900	3C00	PAINTING	02/28/02	1	03/28/02	03/14/02 1 A	06/25/02	03/28/02 1 A	08/09/02	04/10/02 1 A	05/24/02 1 A	0	0	90%
ENEC3205	09910	3C00	PAVEMENT MARKING	02/28/02	1	03/28/02	1	06/25/02	05/02/02 1 A	08/09/02	1	05/24/02 1 A	0	0	90%
					0		0		0		0	0	0		0%
MECHANICAL SPECIFICATIONS					0		0		0		0	0	0		0%
					0		0		0		0	0	0		0%
		3M10	BOILER FEED PUMP by Calpine		1		1		1		1	05/30/02 1 A	0		90%
			CIRC WATER PUMPS by Calpine		1		1		1		1	03/01/02 1 A	0		90%
ENEM8605	11213	3M20	MISCELLANEOUS HORIZONTAL PUMPS	07/22/02	07/22/02 1 A		1	08/16/02	08/27/02 1 A	09/03/02	09/18/02 1 A	10/31/02 1 A	0	0	90%
ENEM7325	11215	3M20	CONDENSATE PUMPS by Calpine		1		1		1		1	1	1		100%
ENEM6980	11216	3M20	SUMP PUMPS	04/15/02	1	05/10/02	06/28/02 1 A	05/10/02	07/31/02 1 A	05/13/02	1	10/31/02 1 A	0	A	90%
ENEM6960	11218	3M20	MISCELLANEOUS VERTICAL PUMPS	04/15/02	1	05/10/02	1	05/10/02	06/12/02 1 A	05/13/02	06/24/02 1 A	06/24/02 1 A	0	0	90%
ENEM8885	11302	3M20	OIL WATER SEPARATOR	07/29/02	1		09/27/02 1 A	08/23/02	10/31/02 1 A	09/10/02	0	0	0	A	70%
ENEM7003	15000	3M20	PIPING-GENERAL REQUIREMENTS (INSTALLATION)	05/03/02	1		1	05/23/02	04/29/02 1 A	06/17/02	1	1	06/26/02 1 A	0	100%
ENEM9300	15002	3M20	PIPING	05/06/02	02/22/02 1 A		1		08/30/02 1 A	07/01/02	09/27/02 1 A	10/31/02 1 A	0	0	90%
ENEM6903	15100	3M10	MANUAL AND MOTOR OPERATED VALVES	03/22/02	05/20/02 1 A		1	04/12/02	08/30/02 1 A	05/03/02	09/27/02 1 A	10/31/02 1 A	0	0	90%
ENEM7020	15111	3M20	SAFETY AND RELIEF VALVES	04/12/02	10/25/02 1 A		0	05/08/02	0	05/24/02	0	0	0		10%
	15120	3M20	PIPING SPECIALTIES (DATA SHEETS)		10/29/02 1 A		0		0		0	0	0		10%
ENEM6805	15140	3M20	PIPE HANGERS AND SUPPORTS	07/31/02	1		1		1	01/15/03	1	06/26/02 1 A	0	0	90%
ENEM8805	15175	3M10	FIELD FABRICATED TANKS	03/29/02	1		1	04/26/02	04/24/02 1 A	05/09/02	08/28/02 1 A	06/28/02 1 A	0	0	90%
ENEM5610	15180	3M20	SHOP FABRICATED TANKS	05/21/02	09/18/02 1 A		1	06/18/02	10/31/02 1 A	07/03/02	0	0	0	A	70%
ENEM8755	15195	3M20	HEAT EXCHANGERS - PLATE & FRAME	06/28/02	1		1	07/26/02	09/18/02 1 A	08/09/02	10/21/02 1 A	0	0	0	80%
ENEM8505		3M20	FIRE PUMPS	03/29/02	05/22/02 1 A		1	04/26/02	07/31/02 1 A	05/10/02	10/21/02 1 A	0	0	0	80%
ENEM7065	15260	3M20	PIPING INSULATION	04/12/02	1		1	05/12/02	04/26/02 1 A	05/24/02	1	06/26/02 1 A	10/31/02 1 A	0	100%
ENEM7650	15311	3M20	FIRE PROTECTION SYSTEMS	08/14/02	05/22/02 1 A		07/31/02 1 A	09/25/02	0	09/26/02	0	0	0		50%
ENEM5410	15481	3M20	COMPRESSED AIR	05/28/02	1		1	06/25/02	04/26/02 1 A	07/10/02	0	0	0		70%
	15526		U/G CIRCULATING WATER PIPING By Calpine		0		0		0		0	0	0		0%
ENEM5800	15592	3M20	FUEL GAS Equipment	04/15/02	1		1	04/25/02	04/25/02 1 A	05/10/02	07/19/02 1 A	0	0		80%
	15712		INDUCED DRAFT COOLING TOWER By Calpine		0		0		0		0	0	0		0%
ENEM8010	15900	3M20	HVAC PERFORMANCE	06/03/02	1		1	06/24/02	1	07/09/02	10/31/02 1 A	0	0	0	80%
ENEM8020	15910	3M20	HOISTS	11/25/02	1		1	01/09/03	10/31/02 1 A	02/06/03	0	0	0		70%
ENEM7050	15936	3M20	PAINTING	03/22/02	1		1	04/11/02	04/26/02 1 A	05/03/02	1	07/19/02 1 A	10/31/02 1 A	0	100%
ELECTRICAL SPECIFICATIONS															
					0		0		0		0	0	0		0%
					0		0		0		0	0	0		0%
ENEE8520	16000	3E00	General Provisions - Electrical	04/11/02	02/04/02 1 A	N/A	02/22/02 1 A	05/09/02	05/13/02 1 A	N/A	06/07/02 1 A	06/07/02 1 A	06/07/02 1 A	0	100%
ENEE8520	16030	3E00	Electrical Codes and Ordinances	04/11/02	02/04/02 1 A	N/A	02/22/02 1 A	05/09/02	05/13/02 1 A	N/A	06/07/02 1 A	06/07/02 1 A	06/07/02 1 A	0	100%
ENEE8530	16111	3E00	Conduit	11/07/02	02/04/02 1 A	N/A	02/26/02 1 A	11/20/02	05/13/02 1 A	12/23/02	06/07/02 1 A	06/07/02 1 A	06/07/02 1 A	0	100%

CALPINE - METCALF ENERGY CENTER

SPECIFICATION SCHEDULE

3/2/02

November 1, 2002

P3 ACT ID	SPEC NO.	WBS ACTIVITY CODE	DESCRIPTION	START SPEC 10% SCH	START SPEC 10% ACT/PROJ	ISSUE FOR INTERNAL REVW 50% SCH	ISSUE FOR INTERNAL REVW 50% ACT/PROJ	COMMENT ISSUE 70% SCH	COMMENT ISSUE 70% ACT/PROJ	ISSUE FOR BID 80% SCH	ISSUE FOR BID 80% ACT/PROJ	BID EVAL & IFC 90%	VENDOR DWG REVIEW 100%	REV #	% COMPL
ENEE8550	16114	3E00	Cable Tray	11/07/02	02/04/02 1 A	N/A	03/19/02 1 A	11/20/02	05/13/02 1 A	12/23/02	06/07/02 1 A	06/07/02 1 A	N/A 0	0	90%
ENEE8520	16118	3E00	Manholes and Ductbank	04/11/02	02/11/02 1 A	N/A	02/22/02 1 A	05/09/02	05/30/02 1 A	N/A	1	06/28/02 1 A	06/28/02 1 A	0	100%
ENEE8515	16120	3E00	Wire and Cable	04/26/02	1	N/A	02/26/02 1 A	N/A	0	05/23/02	0	N/A 0	N/A 0		50%
ENEE8520	16121	3E00	Cable Installation and Termination	04/11/02	02/11/02 1 A	N/A	03/01/02 1 A	05/09/02	1	N/A	1	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE8520	16130	3E00	Electrical Boxes	04/11/02	1	N/A	03/06/02 1 A	05/09/02	05/13/02 1 A	N/A	06/07/02 1 A	06/07/02 1 A	06/07/02 1 A	0	100%
ENEE8520	16140	3E00	Wiring Devices	04/11/02	1	N/A	03/06/02 1 A	05/09/02	1	N/A	1	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE8520	16142	3E00	Power Receptacles	04/11/02	1	N/A	03/06/02 1 A	05/09/02	1	N/A	1	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE8520	16145	3E00	Control Stations	04/11/02	1	N/A	03/07/02 1 A	05/09/02	1	N/A	1	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE2310	16150	3E00	Low Voltage Motors (600 Volts and Below)	03/28/02	02/11/02 1 A	N/A	02/22/02 1 A	04/10/02	04/18/02 1 A	05/09/02	05/16/02 1 A	10/10/02 1 A	0	0	90%
ENEE8520	16155	3E00	Motor Installation	04/11/02	1	N/A	03/07/02 1 A	05/09/02	1	N/A	1	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE8520	16156	3E00	Medium Voltage Motor Controller Installation	04/11/02	1	N/A	03/07/02 1 A	05/09/02	1	N/A	1	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE8520	16160	3E00	Cabinet and Enclosures	04/11/02	1	N/A	03/06/02 1 A	05/09/02	05/13/02 1 A	N/A	06/07/02 1 A	06/07/02 1 A	06/07/02 1 A	0	100%
ENEE2410	16182	3E00	4000 Volt Motors	03/28/02	02/11/02 1 A	N/A	03/06/02 1 A	04/10/02	04/18/02 1 A	05/09/02	05/16/02 1 A	0	0	0	80%
ENEE8520	16190	3E00	Supporting Devices	04/11/02	1	N/A	03/07/02 1 A	05/09/02	1	N/A	1	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE8520	16195	3E00	Electrical Identification	04/11/02	1	N/A	03/19/02 1 A	05/09/02	05/13/02 1 A	N/A	06/07/02 1 A	06/07/02 1 A	06/07/02 1 A	0	100%
ENEE8520	16221	3E00	Valve Motor Operators	04/11/02	1	N/A	03/05/02 1 A	05/09/02	1	N/A	1	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE2125	16241	3E60	Station Battery & Charger	06/03/02	02/11/02 1 A	N/A	03/05/02 1 A	06/28/02	05/30/02 1 A	07/30/02	1	09/25/02 1 A	0	0	90%
ENEE2185	16261	3E60	120 VAC Uninterruptible Power Supply System	07/31/02	02/28/02 1 A	N/A	03/07/02 1 A	08/13/02	05/30/02 1 A	09/11/02	08/21/02 1 A	0	0	0	80%
ENEE8520	16310	3E00	Secondary Unit Substation Installation (LV Switchgear Only)	04/11/02	1	N/A	03/07/02 1 A	05/09/02	1	N/A	1	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE8520	16313	3E00	Medium Voltage Switchgear Installation	04/11/02	1	N/A	03/07/02 1 A	05/09/02	1	N/A	05/08/02 1 A	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE2660	16345	3E13	Prepackaged Powerhouse	07/23/02	02/18/02 1 A	N/A	1	09/04/02	1	10/03/02	05/08/02 1 A	0	0	0	80%
ENEE1510	16346	3E13	Medium Voltage Metal Clad Switchgear	03/28/02	02/18/02 1 A	N/A	02/01/00 1 A	05/22/02	05/08/02 1 A	06/20/02	05/08/02 1 A	0	0	0	80%
ENEE2570	16347	3E13	Non Segregated Phase Bus Duct	10/01/02	02/18/02 1 A		03/01/02 1 A	10/28/02	05/08/02 1 A	12/02/02	05/08/02 1 A	0	0	0	80%
ENEE1610	16349	3E30	Medium Voltage Motor Controllers	05/22/02	02/18/02 1 A	06/20/02	02/22/02 1 A	08/02/02	05/08/02 1 A	11/11/02	05/08/02 1 A	0	0	0	80%
ENEE2060	16436	3E13	Low Voltage Switchgear	02/04/02	02/18/02 1 A	03/04/02	02/22/02 1 A	04/01/02	05/08/02 1 A	04/29/02	05/08/02 1 A	0	0	0	80%
ENEE2510	16437	3E13	600 Volt Non-Segregated Phase Bus Duct	10/01/02	02/25/02 1 A	N/A	02/26/02 1 A	10/29/02	05/08/02 1 A	12/02/02	05/08/02 1 A	0	0	0	80%
ENEE8520	16441	3E00	Disconnect Switches	04/11/02	1	N/A	03/06/02 1 A	05/09/02	1	N/A	1	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE8520	16442	3E00	Panelboards	04/11/02	1	N/A	03/05/02 1 A	05/09/02	05/13/02 1 A	N/A	06/07/02 1 A	06/07/02 1 A	06/07/02 1 A	0	100%
ENEE8520	16450	3E50	Grounding and Bonding	04/11/02	02/25/02 1 A	N/A	02/22/02 1 A	05/09/02	1	N/A	1	05/30/02 1 A	05/30/02 1 A	0	100%
ENEE1210	16452	3E12	Isolated Phase Bus Duct	05/22/02	02/25/02 1 A	07/05/02	03/03/02 1 A	N/A	05/30/02 1 A	07/19/02	08/23/02 1 A	0	0	0	80%
ENEE2810	16463	3E13	480V Less Flammable Liquid Filled Transformers	03/28/02	02/25/02 1 A	N/A	02/22/02 1 A	05/01/02	05/08/02 1 A	05/31/02	05/08/02 1 A	1	10/15/02 1 A	0	100%
ENEE8520	16471	3E00	Panelboard Installation	04/11/02	1	N/A	03/07/02 1 A	05/09/02	1	N/A	1	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE8520	16477	3E00	Fuses	04/11/02	1	N/A	03/06/02 1 A	05/09/02	1	N/A	1	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE8520	16481	3E00	Low Voltage Motor Control Installation	04/11/02	1	N/A	03/07/02 1 A	05/09/02	1	N/A	1	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE2245	16482	3E30	480 V Motor Control Center	08/20/02	02/25/02 1 A	N/A	02/26/02 1 A	09/11/02	05/10/02 1 A	10/08/02	05/10/02 1 A	0	0	A	80%
ENEE8520	16483	3E00	Motor Control Center Installation	04/11/02	1	N/A	03/05/02 1 A	05/09/02	1	N/A	1	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE8730	16510	3E60	Interior Lighting /Fixtures	10/11/02	1		03/19/02 1 A	11/07/02	1	12/10/02	1	05/15/02 1 A	0	0	90%
ENEE8730	16530	3E60	Site Lighting / Fixtures	10/11/02	1		03/19/02 1 A	11/07/02	1	12/10/02	1	05/15/02 1 A	0	0	90%
ENEE8620	16640	3E50	Cathodic Protection System	05/17/02	1		03/19/02 1 A	05/31/02	06/28/02 1 A	06/28/02	1	07/31/02 1 A	0	0	90%
ENEE8650	16670	3E60	Lightning Protection System	06/07/02	1		03/19/02 1 A	06/20/02	1	07/19/02	1	05/15/02 1 A	0	0	90%
ENEE8672	16855	3E00	Freeze Protection	12/13/02	1		02/22/02 1 A	12/27/02	06/28/02 1 A	01/24/03	0	0	0	A	70%
ENEE8520	16930	3E00	Electrical Specification for Mechanical Packaged Equipment	04/11/02	1	N/A	03/20/02 1 A	05/09/02	1	N/A	1	05/30/02 1 A	05/30/02 1 A	0	100%
ENEE8520	16950	3E00	Testing and Calibration	04/11/02	1	N/A	03/20/02 1 A	05/09/02	1	N/A	1	05/15/02 1 A	05/15/02 1 A	0	100%
ENEE8892	16032	3E50	Standby Generator		1		1		06/28/02 1 A		08/21/02 1 A	0	0	0	80%
					0		0		0		0	0	0		0%

CALPINE - METCALF ENERGY CENTER

SPECIFICATION SCHEDULE

3/2/02

November 1, 2002

P3 ACT ID	SPEC NO.	WBS ACTIVITY CODE	DESCRIPTION	START SPEC 10% SCH	START SPEC 10% ACT/PROJ	ISSUE FOR INTERNAL REVW 50% SCH	ISSUE FOR INTERNAL REVW 50% ACT/PROJ	COMMENT ISSUE 70% SCH	COMMENT ISSUE 70% ACT/PROJ	ISSUE FOR BID 80% SCH	ISSUE FOR BID 80% ACT/PROJ	BID EVAL & IFC 90%	VENDOR DWG REVIEW 100%	REV #	% COMPL
I&C SPECIFICATIONS					0		0		0		0	0	0		0%
					0		0		0		0	0	0		0%
ENEI1220	15106	3J05	NORMAL & SEVERE SERVICE CONTROL VALVES	05/06/02	05/20/02 1 A	06/27/02	10/31/02 1 A	06/27/02	0	07/15/02	0	0	0		50%
ENEI7410	15107	3J07	STEAM TURBINE BYPASS VALVES	03/11/02	03/19/02 1 A	05/01/02	05/03/02 1 A	05/13/02	1	05/29/02	1	05/06/02 1 A	0		90%
ENEI2330	15135	3J09	GAUGES AND METERS (MISC)	03/04/02	0	03/31/02	0	04/10/02	0	04/25/02	0	0	0		0%
ENEI1320	16135	3J09	ELECTRONIC INSTRUMENT TRANSMITTERS	08/27/02	10/01/02 1 A	10/08/02	0	10/08/02	0	10/23/02	0	0	0		10%
ENEI1490	15136	3J03	FLOW ELEMENTS	08/27/02	10/01/02 1 A	10/17/02	10/31/02 1 A	10/18/02	0	11/04/02	0	0	0		50%
ENEI1410	15487	3J11	CYCLE WATER SAMPLING ANALYSIS SYSTEM	01/15/02	01/15/02 1 A	03/18/02	1	03/18/02	03/18/02 1 A	04/02/02	04/29/02 1 A	0	0	0	80%
ENEI1690	16146	3J10	CONTROL & INSTRUMENTATION	02/01/02	02/01/02 1 A	04/12/02	03/29/02 1 A	04/12/02	1	04/20/02	1	05/06/02 1 A	0	0	90%
ENEI1100	16920	3J02	CONTINUOUS EMISSION MONITORING	03/26/02	03/11/02 1 A	05/02/02	05/03/02 1 A	05/02/02	05/21/02 1 A	05/17/02	06/26/02 1 A	07/31/02 1 A	0	0	90%

CALPINE - METCALF ENERGY CENTER

OTHER DOCUMENTS SCHEDULE

November 1, 2002

P3 ACT ID	DOC NO.	WBS ACT CODE	DESCRIPTION	START 20% SCH.	START 20% ACT/PROJ	REVIEW 50% SCH	REVIEW 50% ACT/PROJ	REVIEW 70% SCH	REVIEW 70% ACT/PROJ	REV #	IFC 100% SCH	% COMPL
	MECHANICAL ENGINEERING AND DESIGN											
	MISCELLANEOUS											
		MM00	PDS EQUIPMENT LAYOUTS	01/15/02	01/15/02 1 A		02/28/02 1 A		05/09/02 0 A		0	70%
		MM20	PDS PIPING		0		0		0		0	0%
		5000	EQUIPMENT LIST	01/15/02	01/15/02 1 A		0		0		0	20%
	SYSTEM DESCRIPTIONS				0		0		0		0	0%
ENEM2170		4000	(HP,LP,HR,CR) STEAM	09/27/02	0		0		0		0	0%
ENEM3370		4000	FEEDWATER	09/26/02	0		0		0		0	0%
ENEM3349		4000	LUBE OIL	12/10/02	0		0		0		0	0%
ENEM3849		4000	SANITARY	12/09/02	0		0		0		0	0%
ENEM4945		4000	SCR AMMONIA	04/17/03	0		0		0		0	0%
ENEM4545		4000	FLOOR DRAINS	12/30/02	0		0		0		0	0%
ENEM3470		4000	CONDENSATE	08/30/02	0		0		0		0	0%
ENEM2465		4000	CIRCULATING WATER	08/30/02	0		0		0		0	0%
ENEM2765		4000	SERVICE WATER	02/04/03	0		0		0		0	0%
ENEM4145		4000	INSTRUMENT AND SERVICE AIR	12/27/02	0		0		0		0	0%
ENEM3645		4000	MAKEUP WATER	10/29/02	0		0		0		0	0%
ENEM3745		4000	WASTE WATER COLLECTION AND TREATMENT	02/04/03	0		0		0		0	0%
ENEM4845		4000	FIRE PROTECTION	12/30/02	0		0		0		0	0%
ENEM3845		4000	NATURAL GAS	10/24/02	0		0		0		0	0%
ENEM3545		4000	AUX CLOSED COOLING WATER	02/10/03	0		0		0		0	0%
ENEM4445		4000	GAS TURBINE VENTS AND DRAINS	01/23/03	0		0		0		0	0%
ENEM4345		4000	BOILER TURBINE MISC VENTS AND DRAINS	03/12/03	0		0		0		0	0%
ENEM3976		4000	HRSG & COOLING TOWER CHEMICAL FEED	01/31/03	0		0		0		0	0%
ENEM4745		4000	BULK GASES	02/25/03	0		0		0		0	0%
ENEM3947		4000	STEAM SEAL SYSTEM	11/07/02	0		0		0		0	0%
ENEM4645		4000	CONDENSER VACUUM SYSTEM	01/13/03	0		0		0		0	0%
ENEM4045		4000	POTABLE WATER	10/14/02	0		0		0		0	0%
ENEM4245		4000	GAS TURBINE MISC SYS	12/27/02	0		0		0		0	0%
					0		0		0		0	0%
	ELECTRICAL ENGINEERING AND DESIGN				0		0		0		0	0%
					0		0		0		0	0%
		EM00	PDS MODULE		02/22/02 1 A		1		05/31/02 0 A		0	70%
		2000	TRANSFORMER SIZING by CALPINE		0		0		0		0	0%
ENEE3205		2E10	SHORT CIRCUIT CALCS	03/21/02	02/19/02 1 A	05/15/02	03/20/02 1 A	05/30/02	05/31/02 1 A		10/29/02 1 A	100%
ENEE3210		2E10	LOAD FLOW & VOLTAGE DROP CALCS	03/21/02	1	06/14/02	03/26/02 1 A	07/15/02	05/31/02 1 A		10/30/02 1 A	100%

CALPINE - METCALF ENERGY CENTER

OTHER DOCUMENTS SCHEDULE

November 1, 2002

P3 ACT ID	DOC NO.	WBS ACT CODE	DESCRIPTION	START 20% SCH	START 20% ACT/PROJ	REVIEW 50% SCH	REVIEW 50% ACT/PROJ	REVIEW 70% SCH	REVIEW 70% ACT/PROJ	REV #	IFC 100% SCH	% COMPL
ENEE3382		2E10	PROTECTIVE RELAY CALCS,	08/20/02	0		0	09/17/02	0		0	0%
			DC SYS SIZING, SC & VOLT DROP		0		0		0		0	0%
ENEE3220		2E60	UPS SIZING	05/16/02	1		1	05/30/02	05/28/02 1 A		0	70%
ENEE3225		2E60	BATTERY CALCS	02/04/02	1		1	05/31/02	05/28/02 1 A		0	70%
ENEE3240		2E50	GROUND GRID CALCS	01/03/02	01/03/02 1 A	02/20/02	1	03/20/02	02/27/02 1 A		04/24/02 1 A	100%
ENEE3342		2E60	LIGHTING CALCS	06/12/02	05/31/02 1 A		05/31/02 1 A	07/10/02	10/31/02 1 A		0	70%
ENEE3230		2E10	MV CABLE SIZE	06/03/02	02/11/02 1 A		03/29/02 1 A	06/28/02	06/28/02 1 A		08/27/02 1 A	100%
					0		0		0		0	0%
					0		0		0		0	0%
	I & C ENGINEERING				0		0		0		0	0%
					0		0		0		0	0%
ENEI1940	HRF-001	M220	P&ID - IP SYSTEM	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A		09/25/02 1 A	100%
ENEI1940	HRF-002	M220	P&ID - HP SYSTEM	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A		09/25/02 1 A	100%
ENEI1940	HRF-003	M220	P&ID - LP SYSTEM	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A		09/25/02 1 A	100%
ENEI1940	HRF-004	M220	P&ID - IP SYSTEM	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A		09/25/02 1 A	100%
ENEI1940	HRF-005	M220	P&ID - HP SYSTEM	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A		09/25/02 1 A	100%
ENEI1940	HRF-006	M220	P&ID - LP SYSTEM	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A		09/25/02 1 A	100%
ENEI1940	HRS-001	M220	P&ID - IP SYSTEM	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A		09/25/02 1 A	100%
ENEI1940	HRS-002	M220	P&ID - HP SYSTEM	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A		09/25/02 1 A	100%
ENEI1940	HRS-003	M220	P&ID - LP SYSTEM	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A		09/25/02 1 A	100%
ENEI1940	HRS-004	M220	P&ID - IP SYSTEM	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A		09/25/02 1 A	100%
ENEI1940	HRS-005	M220	P&ID - HP SYSTEM	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A		09/25/02 1 A	100%
ENEI1940	HRS-006	M220	P&ID - LP SYSTEM	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A	12/17/01	12/17/01 1 A		09/25/02 1 A	100%
					0		0		0		0	0%

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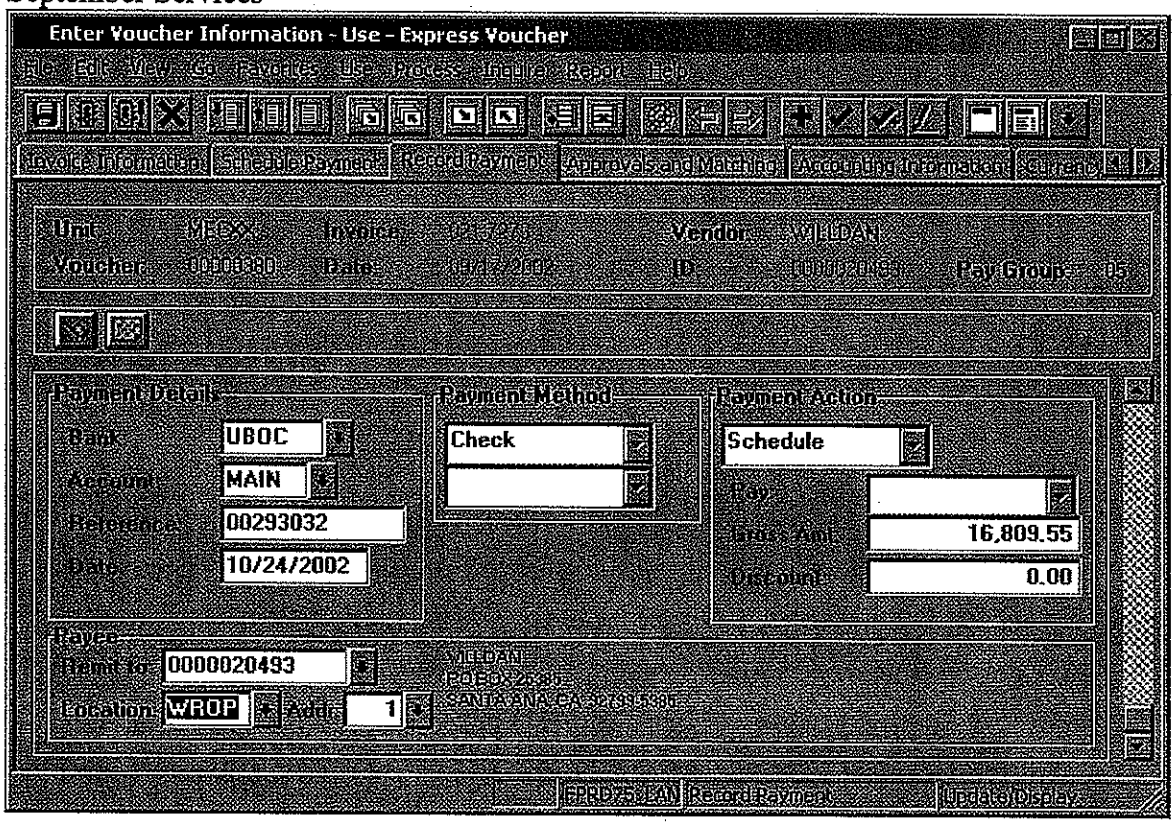
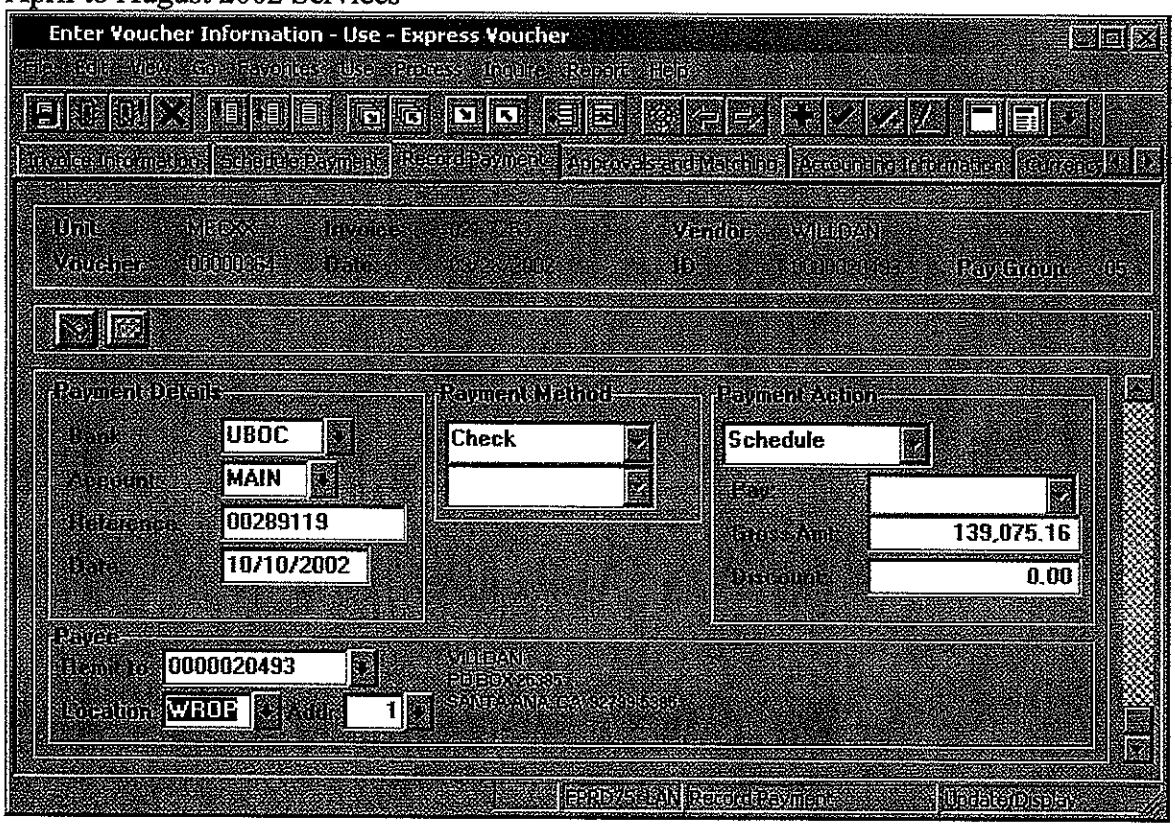
CONDITION OF CERTIFICAITON GEN-3
COPY OF CBO PAYMENT

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #13

September Services



April to August 2002 Services



CONDITION OF CERTIFICAITON GEN-6
SPECIAL INSPECTOR APPROVALS

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #13

WILLDAN
Serving Public Agencies

1430 Koll Circle, Suite 103
San Jose, CA 95112
Ph: (408) 392-9213 Fax: (408) 392-9214

Disposition

Date: October 22, 2002

To: Kevin Deters/Mortenson
Jim Ferrara/BRE
Kristen Sipes/Calpine

CEC Docket No.: (99-AFC-3C)

CBO Project No.: MEC 13254

CBO Condition: GEN-6/1015

Subject: Special Inspectors

We confirm receipt of the qualifications for above referenced Subject, Project and Condition of Certification. The CBO has reviewed the documentation provided in accordance with the above referenced CEC docket. This letter serves as the disposition by the CBO:

Name	Discipline	Condition of Certification	Disposition
Ramsey Bell	All structural welding including reinforcing/High Strength Bolting	GEN-6	Approved
Jarrod Bordi	Concrete, All structural welding including reinforcing/High Strength Bolting, Structural Masonry, Spray Applied Fire Resistant materials	GEN-6	Approved
John Casey	Concrete, All structural welding including reinforcing/High Strength Bolting	GEN-6	Approved
Ken Chalabi	All structural welding including reinforcing/High Strength Bolting	GEN-6	Approved
Bill Clinton	All structural welding including reinforcing/High Strength Bolting	GEN-6	Approved
Gino Martini	Concrete, All structural welding including reinforcing/High Strength Bolting	GEN-6	Approved
Luis Mencos	All structural welding including reinforcing/High Strength Bolting	GEN-6	Approved
William Rowe	All structural welding including reinforcing/High Strength Bolting	GEN-6	Approved
Jack Weldon	Concrete, All structural welding including reinforcing/High Strength Bolting	GEN-6	Approved

Mike Wilson	All structural welding including reinforcing/High Strength Bolting	GEN-6	Approved
Bundy Chamberlain	Concrete	GEN-6	Approved
Kevin Brown	Concrete, Bolts Installed in concrete, All Structural welding including reinforcing, High strength bolting, Structural Masonry	GEN-6	Approved
Steven Harvey	Concrete, Bolts Installed in concrete, All Structural welding including reinforcing, High strength bolting, Structural Masonry	GEN-6	Approved
Rich Dahl	Concrete, Bolts Installed in concrete, All Structural welding including reinforcing, High strength bolting, Structural Masonry & Spray applied fire resistant materials	GEN-6	Approved
Gary Graves	Concrete, Bolts Installed in concrete, Structural Masonry & Spray applied fire resistant materials	GEN-6	Approved
Mike Everson	Concrete, Bolts Installed in concrete, All Structural welding including reinforcing, High strength bolting	GEN-6	Approved

Should you have any questions please do not hesitate to contact Don Wimberly or myself at (408) 392-9213.

Regards,

Hans Kosten
Deputy CBO

cc: D. Wimberly, CBO
T. Robertson/Mortenson
E. Moran, Willdan
File

COMPLIANCE MATRIX

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #13

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
AQ-1	Minimize emissions of carbon monoxide (CO) and nitrogen oxides (NOx) from S-1and S-3 GTs; and S-2 and S-4 HRSGs.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-2	Tune combustors of S-1 & S-3 GTs and S-2 and S-4 HRSGs duct burners to minimize emissions of CO and NOx.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-3	Install, adjust, and operate A-1and A-2 SCR Systems to minimize emissions of CO and NOx from S-1 and S-3 GTs and S-2 and S-4 (HRSGs)	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-4	With steady-state operation of A-1& A-2 SCR systems shall comply with NOx and CO emission limitations.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-5	Submit plan to DPSD and CPM describing procedures to be followed during commissioning of GTs, HRSGs, and STGs.	At least 28 days prior to first firing of the gas turbines, submit a complete commissioning plan .	28 days prior to first fire of Gas Turbines				
AQ-6	Demonstrate compliance with conditions 8-10 through the use of properly operated and maintained CEMS and data recorders.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-7	Install, calibrate, operate District approved CEMS monitors prior to first firing of GT's and HRSGs.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-8	Total no. of firing hours for S-1 GT and S-2 HRSG without abatement of A-1 SCR shall not exceed 300 hours during commissioning.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to CPM.	Monthly Compliance Report				
AQ-9	Total no. of firing hours for S-3 GT and S-4 HRSG without abatement of A-3 SCR shall not exceed 300 hrs during commissioning period.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to the CPM	Monthly Compliance Report				
AQ-10	Total mass emissions of NOx, CO, POC, PM10, and SO2 emitted by the GTs and HRSGs during the commissioning period shall accrue towards the consecutive 12-month emission limitations.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to the CPM.	Monthly Compliance Report				
AQ-11	Combined daily emissions from GTs and HRSGs shall not exceed the following during the commissioning period: Nox = 4805; CO = 11,498; POC = 495; PM10 = 468; SO2= 42.	In the monthly compliance report indicate any violations of the emission limits	Monthly Compliance Report				
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.	20 working days before the execution of the source tests,submit to the District and CPM a detailed source test plan designed to satisfy the requirements of this condition.	20 days prior to source test per AQ-12				
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.	Source test results shall be submitted to the District and the CEC CPM within 30 days of the source testing date.	Within 30 days of source tests per AQ-12 complete				
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.	Notify the District and the CEC CPM.	Within seven (7) working days prior to the planned testing date				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
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START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
AQ-13	GTs (S-1, S-3) and HRSG (S-2, S-4) shall be fired exclusively on natural gas. (BACT for SO2 and PM10)	As part of the semiannual Air Quality Reports, indicate the date, time, and duration of any violation of this condition.	Semiannual Air Quality Reports				
AQ-14	Combined heat input rate of each power train (S-1 & S-2, S-3 & S-4) shall not exceed 2,124 MMBtu/hr (3-hour rolling average) (PSD for NOx)	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceed this hourly limit.	Monthly Air Quality Reports				
AQ-15	Combined heat input rate of each power train (S-1 & S-2 and S-3 & S-4) shall not exceed 49,908 MMBtu/day (PSD for PM10)	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceed this daily limit.	Monthly Air Quality Reports				
AQ-16	Combined cumulative heat input rate of GTs (S-1, S-3) and HRSGs(S-2, S-4) shall not exceed 35,274,060 MMBtu/yr. (Offsets)	As part of the Air Quality annual Reports, include information on the date and time when the annual cumulative fuel consumption exceed this annual limit	Annual Air Quality Reports				
AQ-17	HRSGs (S-2, S-4) duct burners shall not be fired unless associated GTs (S-1, S-3) are in operation. (BACT for NOx)	As part of the Air Quality Reports, include information on the date, time, and duration of any violation of this permit condition.	Monthly Air Quality Reports				
AQ-18	GT/HRSG (S-1/S-2) shall be abated by the A-1 SCR system whenever fuel is combusted in these units and the A-1 catalyst bed has reached min. operating temperature.	As part of the semiannual Air Quality Reports, provide information on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSG's.	Semiannual Air Quality Reports				
AQ-19	GT/HRSG (S-3/S-4) shall be abated by the A-2 SCR system whenever fuel is combusted in these units and the A-2 catalyst bed has reached min. operating temperature.	As part of the semiannual Air Quality Reports, provide info. on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSGs.	Semiannual Air Quality Reports				
AQ-20(a)	Emission requirements: Emission Point P-1 NOx = 19.2 lbs/hr [0.00904 lbs/MMBtu (HHV) of nat. gas fired] ; Emission Point P-2 NOx = 19.2 lbs/hr [0.00904 lbs/MMBtu (HHV) of nat. gas fired] .	As part of the semiannual Air Quality Reports, 5ndicate the date, time, and duration of any violation. Include quantitative info. on the severity of the violation.	Semiannual Air Quality Reports				
AQ-20(b)	NOx Emission concentration = 2.5 ppmvd (corrected to 15% O2), 1-hr average (Emission Point P-1, P-2) (BACT for NOx).	Same as above	Semiannual Air Quality Reports				
AQ-20(c)	CO mass emission = 28.07 lbs/hr (at any 3-hour rolling avg.) (Emission Point P-1, P-2).	Same as above	Semiannual Air Quality Reports				
AQ-20(d)	When the heat input to a CT exceeds 1700 MMBTU/hr (HHV), the CO emission concentration shall not exceed 6.0 ppmvd on dry basis and the CO mass emission rate shall not exceed 0.0132 lb/MMBTU at any 3-hr rolling average.	Same as above	Semiannual Air Quality Reports				
AQ-20(e)	Ammonia (NH3) emission concentration shall not exceed 5 ppmvd on dry basis, at any 3-hour rolling avg. Ammonia injection rate to A-1, A-2 to be verified through continuous recording of rate.	Same as above	Semiannual Air Quality Reports				

METGALF ENERGY CENTER - COMPLIANCE MATRIX							
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Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
AQ-20(f)	Precursor organic compounds (POC) mass emissions (as CH4) shall not exceed 2.7 lbs/hr or 0.00126 lbs/MMBTU of natural gas fired. (Emission points P-1, P-2).	Same as above	Semiannual Air Quality Reports				
AQ-20(g)	Sulfur dioxide (SO 2) mass emissions at P-1 ,P-2 each shall not exceed 1.28 pounds per hour or 0 .0006 lb /MM BTU of natural gas fired. (BACT)	Same as above	Semiannual Air Quality Reports				
AQ-20(h)	PM10 mass emission s at P-1 ,P-2 each shall not exceed 9 pounds per hour or 0.00452 lb PM10/MM BTU. Particulate matter (PM10) mass emissions at P-1 ,P-2 each shall not exceed 12 pounds per hour or 0.00565 lb PM10/MM BTU, when HRSG duct burners are in operation.	Same as above	Semiannual Air Quality Reports				
AQ-21	GT (S-1, S-3) Start-up and Shutdown emission rates.	Same as above	Semiannual Air Quality Reports				
AQ-22	Not more than one GT (S-1, S-2) shall be in start-up mode at any one time.	In the monthly compliance report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-23	HRSGs and ducting shall be designed such that an oxidation catalyst shall be readily installed if deemed necessary by APCO to insure compliance with CO emissions rates.	In the semiannual compliance report indicate how this condition is being implemented	Semiannual Air Quality Reports				
AQ-24	Total combined emissions in lbs/day, from GTs and HRSGs (S-1, S-2, S-3, S-4), including start-up and shutdown.	As part of the semiannual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports				
AQ-25	Cumulative combined emissions in tons/any consecutive 12-month period, from GTs and HRSGs shall not exceed Nox = 123.4 (offsets), CO=588, POC=28 (offsets), PM10=91.3 (offsets), SO2=10.6 (cumulative increase).	As part of the semiannual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports				
AQ-26	Maximum projected combined annual toxic air contaminant emissions from GTs and HRSGs (S-1, S-2, S-3, S-4). (a) formaldehyde = 3,796 lbs/yr (b) Benzene = 480 lbs/yr (c) PAHs=22.8 lbs/yr	As part of the annual Air Quality Reports, indicate the date, duration, and severity of any violation including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-26	Perform health risk assessment using emission rates per BAAQMD approved procedures and submit risk analysis to District and CPM.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation or submit risk analysis to District and CPM.	Within 60 days of source test date				
AQ-27 (a-d)	Demonstrate compliance with conditions 14-17, 20(a-d), 21, 22, 24(a), 24(b), 25(a), 25(b) by using continuous monitors during all operating hours for the following parameters.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
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Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
AQ-27(e-f)	Use parameters in condition 27(a-d) and District approved methods to calculate the following. (e) Heat input rate for S-1 & S-2 combined, and S-3 & S-4 combined (f) Corrected NOx and CO concentrations and mass emissions at each exhaust point (P-1, P-2)	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-27(g-l)	For each source, source grouping, or exhaust point record parameters at least once every 15 minutes and calculate and record for the following. Refer to AQ-27 for further details.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-28(a-b)	Demonstrate compliance with conditions 20, 21, 24, 25 by calculating and recording on a daily basis POC, PM10, and SO2 mass emissions fine PM10 and SO2 from each power train.	As part of the monthly Air Quality Reports, the owner/operator shall indicate the date of any violation including quantitative information on the severity of the violation.	Monthly Air Quality Reports				
AQ-29	Calculate and record on annual basis the max. projected annual emissions of formaldehyde, benzene, Specified Poly-Aromatic Hydrocarbons (PAH's).	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-30	Within 60 days of startup, conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Source test protocols shall be submitted at least 90 days before startup. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	90 days before startup				
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Conduct test within 60 days of startup	Within 60 days of startup				
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Submit source test results to the District and to the CEC CPM.	Within 30 days of the tests				
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Notify the District and the CEC CPM.	Within seven working days before the execution of the source tests.				
AQ-31	Conduct a District-approved source test on exhaust points P-1and P-2 while each GT and HRSG are operating at max load.	Submit source test protocols. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	90 days before startup				
AQ-31	Conduct a District-approved source test on exhaust points P-1and P-2 while each GT and HRSG are operating at max load.	Conduct test within 60 days of startup and on annual basis thereafter.	Within 60 days startup				
AQ-31	Conduct a District-approved source test on exhaust points P-1and P-2 while each GT and HRSG are operating at max load.	Notify the District and the CEC CPM.	Within seven (7) working days before the execution of the source tests				
AQ-31	Conduct a District-approved source test on exhaust points P-1and P-2 while each GT and HRSG are operating at max load.	Submit source test results to the District and to the CEC CPM.	Within 30 days of the date of the tests				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
AQ-32	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	Provide a copy of source test protocol.	90 days before startup				
AQ-32	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	Notify the District's Source Test Section and the CEC CPM in writing of the Source Test Protocols and projected test dates at least 7 days prior to the testing date(s).	7 days prior to testing date(s)				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Notify the District and the CEC CPM at least 7 working days before the owner/operator plans to conduct source testing as required by this condition.	Execution of the Source Tests within 60 days of startup				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Conduct test.	Within 60 days of startup and on biennial basis thereafter				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Source test results shall be submitted to the District and the CEC CPM.	Within thirty (30) days of conducting the test				
AQ-34	Submit all reports as required by District Rules or Regulations and in accordance with all procedures and time limits.	Submit a copy of test protocols at least 90 days before startup.	90 days before startup				
AQ-35	Maintain records and reports on site for a minimum of 5 years.	During site inspection, make all records and reports available to the District, California Air Resources Board, and CEC staffs.	AQ Inspection per AQ-35				
AQ-36	Notify District and CPM of any violations of these permit conditions.	Submittal of these notifications as required by this condition is the verification of these permit conditions.	Violation of Permit Conditions				
AQ-37	Stack height of emission points (P-1, P-2) shall be at least 145 feet above grade at the stack base. (GT/HRSG stack height).	Submit the drawings for review and approval.	45 days prior to the release to the manufacturer	7/15/02	7/23/02		Submitted
AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing.	120 days before initial operation, submit to the BAAQMD and the CEC CPM a plan for the installation of stack sampling ports and platforms.	120 days before initial Operation	2/1/04			
AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing.	Within 60 days of receipt of the plant, the BAAQMD will advise the Owner/Operator and the CPM of the acceptability of the plan.	Approval by BAAQMD and CPM after submittal				
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	Contact the BAAQMD Technical Services division.	Within 180 days of issuance of Authority to Construct	8/12/02	7/29/02		In progress
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	Notify the CEC CPM at least seven (7) working days before these contacts are made.	7 days before contacts are made	8/5/02	2/28/02	N/A	Complete
AQ-40	Demonstrate valid ERCs in the amount of 212.75 tons/year of NOx and 28 tons/yr of POC or equivalent as defined by District Regs 2-2-302.1 and 2-2-302.2	No more than 30 days after the issuance of an Authority to Construct, provide a copy of the ATC to the CEC CPM for review.	Within 30 days after issuance of Authority to Construct	3/15/02	2/22/02	N/A	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
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START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
AQ-41	Provide to District valid ERC banking certificates in the amount of 212.75 ton/yr of Nox and 28 tons/yr of POCs or equivalent.	At least 30 days prior to the start of construction, submit a copy of the required offset or ERCs certificates to the CPM.	30 days prior to start of construction	8/2/02	7/26/02	N/A	Complete
AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit an application to BAAQMD major facility review permit. Notify the CEC CPM of the submittal of this application.	Within 12 months of issuance of PSD Permit		1/9/02	N/A	Complete
AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit to the CPM a copy of the Federal (Title V) Operating Permit.	30 days after permit issued				Expect to receive permit in June 2003.
AQ-43	Submit an application to the District for a Title IV operating permit at least 24 months prior to the initial operation of any GTs or HRSGs.	Submit to the CPM a copy of the application for the Title IV operating permit.	24 months before initial operation		8/1/01		
AQ-44	Comply with the continuous emission monitoring requirements of 40 CFR Part 75.	Submit to the CPM a plan on how the measurements and recordings required by this condition will be performed.	60 days before initial Operation				
AQ-45	Take monthly samples of natural gas combusted at MEC and analyze these samples for sulfur content using District-approved lab methods.	Maintain on site the records of all the guarantees received from its natural gas suppliers indicating that the fuel delivered to MEC complies with the 40 CFR Part 60,Subpart GG.	On-site Compliance Inspections				
AQ-46	Cooling towers shall be properly maintained to minimize drift losses.	Submit a performance guarantee letter from the cooling tower manufacturer.	30 days prior to installation of Cooling Tower per AQ-46				
AQ-47a	Perform visual inspection of cooling tower drift eliminators once per calendar year and repair or replace any drift eliminators which are broken or missing.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.	Monthly Air Quality Reports				
AQ-47b	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation was performed in a satisfactory manner.	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation.	Initial Operation				
AQ-47c	Perform an initial performance source test to determine the PM10 emission rate from the cooling tower to verify compliance with the vendor-guaranteed drift rate.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.	Within 60 days of initial operation of the cooling tower				
AQ-48	Implement a CPM approved Fugitive Dust Control Plan during construction.	Submit the plan to the CEC CPM for review and approval	60 days prior to start of construction	6/12/01	6/12/01	10/12/01	Complete
AQ-48	Implement a CPM approved Fugitive Dust Control Plan during construction.	Maintain daily records to document the specific actions taken pursuant to the plan. Summary of activities in MCR.	Monthly Compliance Report				In progress
AQ-49	During construction owner shall: 1. Prevent or remove within 1-hour the track-out of bulk material onto public paved roads 2. Install and use a track-out control device 3. Minimize fugitive particulate emission. Daily inspections of conditions mandated.	The project owner shall maintain a daily log during the construction phase of the project. The logs shall be made available to the CEC CPM upon request.	Start of Construction				In progress
AQ-50	Identify the source of the fugitive dust and implement one or more of the appropriate control measures specified in Table 3.	Maintain a daily log recording the dates and times that measures have been implemented and make them available to the CEC CPM upon request.	Start of Construction				In progress

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Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
AQ-51	Provide the District with valid ERC certificates for PM10 for the amount of 29.21 tons per year and for VOC for the amount of 124.2 tons per year from the sources noted in Condition 51.	At least 30 days prior to the start of construction, the project owner must submit a copy of the required ERC certificates to the CPM and the District.	30 days prior to start of construction	8/2/02	7/26/02	N/A	Complete
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit to the CPM for approval the qualifications of the CMM at least 45 days prior to due date for diesel construction equipment.	45 days prior to rough grading	11/30/01	8/27/01	9/27/01	Complete
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Construction Equipment Mitigation Plan 30 days prior to rough grading or construction of linear facilities.	30 days prior to rough grading	12/15/01	9/7/01	9/27/01	Complete
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Report of Change to the CPM no later than 10 working days after use of equipment on site.	10 days after use of equipment on site				
AQ-53	The heat input to the fire pump diesel engine shall not exceed 211 MM BTU totaled over any consecutive twelve month period.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports				
AQ-54	The total hours of operation of the emergency generator shall not exceed 200 hours per calendar year, plus an additional 100 hours per calendar year for the purposes of maintenance and testing.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports				
AQ-55	Install an oxidation catalyst to control VOC emissions.	As part of its final design plans, specifications, and drawings, submit to the District and the CPM for review and approval the final selection and design details of combustion equipment, including emission systems.	Submittal of final design plans				
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation				
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	The project owner shall include the results of the annual inspection of the cooling tower drift eliminators and a description of any repairs performed in the next required compliance report.	Annual Compliance Report				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program.	Submit to the CPM a copy of the Project Construction Safety and Health Program and the Personal Protective Equipment Program, with a copy of the cover letter transmittal of the programs to Cal/OSHA.	30 days prior to start of construction	8/2/02	9/27/01(Bechtel)	2/1/02(Bechtel)	Resubmitted for Mortenson. OSHA Consultation completed 2/21/02. Submitted OSHA approval of Mortenson Plan 3/12/02.
WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program.	Submit to the CPM a letter from the San Jose Fire Department stating that they have reviewed and accepted the Construction Fire Protection and Prevention Plan.	30 days prior to start of construction	8/2/02	7/31/01	2/1/02	Response to Fire Depts. comments submitted 4/9/02.
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan. Emergency Action Plan. Operation Fire Protection Plan. Personal Protective Equipment Program.	The Plan shall be submitted to the Cal/OSHA Consultation Service, for review and comment concerning compliance of the program with all applicable Safety Orders	Start of Operation				
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan. Emergency Action Plan. Operation Fire Protection Plan. Personal Protective Equipment Program.	Submit to the CPM a copy of the final version of the Project Operation Safety & Health Program with a copy of the cover letter to Cal/OSHA's Consultation Service, and San Jose Fire Department comments stating that they have reviewed and accepted the specified elements of the Plan.	30 days prior to start of operation				
WORKER SAFETY 3	Reach an agreement with the San Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	Provide the CPM with a copy of an agreement with the City of San Jose Fire Department or shall provide an interim plan to address impacts until a permanent agreement can be reached.	60 days prior to ground disturbance	11/15/01	7/20/01	2/1/02	Complete
WORKER SAFETY 3	Reach an agreement with the San Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	If an agreement cannot be reached at least 60 days prior to construction, the project owner will inform the CPM and propose a plan to mitigate impacts on fire services.	60 days prior to ground disturbance	11/15/01	7/20/01	2/1/02	Complete
TLSN-1	The project owner shall construct the proposed transmission line according to the requirements of Section 2700 through 2974 of the California Code of Regulations and PG&E's EMF-reduction measures.	Submit to the CPM a letter affirming that the transmission line will be constructed according to the requirements.	30 days prior to start of construction of Transmission Line				
TLSN-2	Identify and correct any complaints of interference w/ radio and TV signals from operation of line and facilities.	All reports of line-related complaints shall be summarized and included for 5 years in the Annual Compliance Report to the CPM	Annual Compliance Report				
TLSN-3	Engage a qualified consultant to measure the strengths of the line electric and magnetic fields in the project owner's 240-foot section before and after the 230 kV line is energized.	File copies of the pre-and post energization measurements with CPM. These measurements shall be completed within 6 months of the start of the operations.	60 days after completion of measurements				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
TLSN-4	Ensure that the transmission line right-of-way is kept free of combustible material.	Provide a summary of inspection results and any fire prevention activities carried out along the ROW in the annual compliance report.	Annual Compliance Report				
TLSN-5	Ensure the grounding of any ungrounded permanent metallic objects within the right-of-way of the overhead section.	Transmit to the CPM a letter confirming compliance with this Condition	30 days prior to energization of transmission line				
HAZ-1	Do not use any hazardous material in reportable quantities, not listed in Attachment 1 or in greater quantities or strengths than those identified unless approved in advance by Santa Clara County and the CPM.	Provide to the CPM and Santa Clara County, in the Annual Compliance Report, a list of hazardous materials contained at the facility in reportable quantities.	Annual Compliance Report				
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the U.S. EPA.	60 days prior to delivery of Aqueous Ammonia				
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.	Include all recommendations of Santa Clara County and the CPM in the final document. At least 60 days prior to the delivery of aqueous ammonia to the facility, provide the final approved plans listed above to the CPM.	60 days prior to delivery of Aqueous Ammonia				
HAZ-3	Develop and implement a safety management plan for delivery of ammonia.	Provide a safety management plan as described above to the CPM for review and approval.	60 days prior to delivery of Aqueous Ammonia				
HAZ-4	The aqueous ammonia storage facility shall be designed to either the ASME Pressure Vessel Code and ANSI K61.6 or to API 620.	Submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the County of Santa Clara and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of Aqueous Ammonia				
HAZ-5	Provide a covered secondary containment basin to passively contain any spill during the delivery of aqueous ammonia to the storage facility.	Provide detailed design drawings and specifications for the secondary containment basin to the County of Santa Clara and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to construction of ammonia secondary containment				
HAZ-6	The project owner shall require that the gas pipeline undergo a complete design review and detailed inspection every 30 years and each 5 years thereafter.	Provide a detailed plan to accomplish a full and comprehensive pipeline design review in the future to the CPM for review and approval.	30 days prior to initial gas flow in pipeline				
HAZ-7	Prepare and implement a pipeline maintenance plan.	Provide a detailed plan to accomplish a full and comprehensive pipeline inspection in the event of an earthquake to the CPM for review and approval.	30 days prior to initial gas flow in pipeline				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
HAZ-8	The project owner shall direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM.	At least sixty (60) days prior to receipt of any hazardous materials on site, the project owner shall submit copies of the required transportation route limitation to the County of Santa Clara and City of San Jose for review and comment, and to the CPM for review and approval	60 days prior to delivery of hazardous materials				
HAZ-9	The natural gas pipeline shall be designed to meet CPUC General Order 112-D and 58 A standards, or any successor standards, and will be designed to meet Class III service.	Submit design and operation specifications to the CPM for review and approval.	Prior to initial gas flow in pipeline				
HAZ-10	Design and operate the facility to ensure that no fuels or lubricants are permanently or temporarily stored within 100 feet of the sulfuric acid tank.	Provide copies of the facility design drawings showing the location of the sulfuric acid storage tank and the route for transport.	60 days prior to delivery of Sulfuric Acid				
HAZ-11	The project owner shall direct all vendors delivering aqueous ammonia to the site to use only transport vehicles which meet or exceed the specifications of the DOT MC-307 tanker trucks.	Submit copies of the notification letter to supply vendors indicating the transport vehicle specifications to the CPM for review and approval.	60 days prior to receipt of aqueous ammonia on site				
HAZ-12	Design, construct, and operate the project in conformance with all applicable laws, ordinances, regulations, and standards pertaining to the transport, storage, and handling of hazardous materials.	Submit final design drawings and specifications for all hazardous material storage areas and equipment to Santa Clara County and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of Hazardous Materials				
WASTE-1	Obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste.	Keep its copy of the identification number on file at the project site and notify the CPM via the monthly compliance report of its receipt.	Notify via Monthly Compliance Report	12/14/02	12/14/02	N/A	Complete
WASTE-1	The project owner shall obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste. (Operation).	Keep copies of the ID number and permit on file and notify the CPM via the monthly compliance report of their receipt - (operation)	Notify via Monthly Compliance Report				
WASTE-2	Upon becoming aware of any impending waste management-related enforcement action, notify the CPM of any such enforcement action.	Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action.	Within 10 days of becoming aware of an impending enforcement action				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit the construction waste management plan to the CPM for review.	60 days prior to start of construction	7/3/02	6/12/01	7/27/01	Complete
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revise within 30 days of notification by CPM				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The operation waste management plan shall be submitted no less than 60 days prior to the start of project operation.	60 days prior to start of operation				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The project owner shall submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revise within 30 days of notification by CPM				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	In the Annual Compliance Reports, document the actual waste management methods used during the year compared to planned management methods.	Annual Compliance Report				
WASTE-4	Have a registered PE available for consultation during soil excavation and grading activities.	Submit the qualifications and experience of the Registered Professional Engineer or Geologist to the CPM for approval.	30 days prior to ground disturbing activity	12/15/01	8/1/01	8/16/01	Complete
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	Notify the CPM in writing within 5 days of any reports filed by the environmental professional	Within 5 days of filing reports				
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	If significant remediation may be required, contact representatives of the Santa Clara County and Dept of Toxic Substances Control. Notify the CPM in writing within 5 days of any reports filed.	Within 5 days of filing reports				
WASTE-6	Obtain a Hazardous Material Clearance Form from the Santa Clara County Hazardous Materials Compliance Division.	Provide an approved copy of the Hazardous Material Clearance Form to the CPM.	Prior to the start of construction	3/20/02	3/20/02	3/20/02	Complete
WASTE-7	The project owner shall perform additional limited investigations to fully characterize the site.	Prior to the start of construction, submit analytical results of the additional sampling to the CPM as a ESA Addendum.	Prior to the start of construction	2/21/02	2/21/02	N/A	Complete
WASTE-8	All site debris shall be removed from the site after owner has control of the site.	Notify the CPM in writing within ten days of removal of site debris.	Within 10 days after removal of site debris	9/10/01	9/10/01	10/2/01	Complete
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Monthly Compliance Reports provide updates on trail developments in the area around the site.	Monthly Compliance Report				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Submit to the City of San Jose Departments of Planning and Public Works for review of the trail design and maintenance plan.	Start of Construction of Trail				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Prior to the start of a trail that the MEC trail could be connected to, submit designs and the maintenance plan to the CPM.	180 days prior to start of construction of trail				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Notify the CPM that the trail segment has been completed and is ready for inspection.	Within 7 days after completion of trail segment				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Annual Compliance Reports provide updates on trail developments in the area around the site.	Annual Compliance Report				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
LAND-2	Landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.	Submit to the City of San Jose for review and comment and to the CPM for approval a revised landscape plan	30 days prior to start of construction	8/2/02	8/7/02		Submitted
LAND-2	The project owner shall landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.	Notify the CPM that the work has been completed and is ready for inspection.	7 days after completion of landscaping				
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the CPM for approval.	60 days prior to start of construction	7/30/02	9/20/2001 11/14/01 3/12/02	12/10/2001 3/28/02	Complete
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Notify the CPM that the boundaries are ready for inspection.	Prior to construction of specificied facilities and structures		7/23/02 (cooling tower)	10/22/02 (cooling tower)	Complete for cooling tower foundation only.
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the San Jose review and comment.	60 days prior to start of construction	7/30/02	9/20/2001 3/12/02	N/A (City of San Jose)	Complete
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Notify the CPM that the facilities and structures are completed and are ready for inspection.	7 days after completion of specified facilities and structures				
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Submit to the CPM for approval a site plan that demonstrates that the project complies with the "Entry Identification" guidelines.	90 days prior to commercial operation				
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Submit to the City of San Jose for review and comment a site plan.	90 days prior to commercial operation				
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Notify the CPM that these requirements have been satisfied and are ready for inspection.	Commercial Operation				
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit to the CPM a recorded copy of the Agreement.	90 days prior to start of construction	6/3/02	6/12/01	9/14/01	Complete
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit a landscape plan to the CPM for review and approval and the City of San Jose for review and comment.	Within sixty (60) days of sale of the Passantino property				
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Notify the CPM that the landscaping has been completed and is ready for inspection.	7 days after completion of landscaping				
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Notify the CPM that the protective measures stated above will be applied prior to the delivery of any construction materials.	30 days prior to delivery of construction materials	9/19/01	9/19/01	9/21/01	Complete
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Submit photographic evidence of the application.	7 days after completion of protective measures	3/14/02	3/14/02 5/10/2002	7/8/02	Complete
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Notify the CPM that the agricultural field used as the laydown area has been tilled and shall submit photographs of the tilled field.	30 days prior to commercial operation				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
LAND-7	Ensure that any additional construction laydown areas needed along all pipeline routes are located within existing paved or gravel areas.	Submit a detailed map showing the location of any planned laydown areas along the pipeline routes and photographs of the areas.	60 days prior to construction of pipelines				
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit the plan to the Santa Clara County Parks and Recreation Department for review and obtain licenses and easements.	Prior to submittal to CPM				Option agreement signed 6/4/02. Will exercise option 45 days prior to construction of gas pipeline.
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM a copy of all licenses and easements secured from Santa Clara County and submit to the CPM a plan that describes how construction activities will be timed to avoid permitted park events.	30 days prior to construction of gas pipeline	4/15/03			
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM an update of planned construction dates for the following week and a schedule of planned park events.	Weekly gas pipeline report				
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Submit to the CPM for review and approval a site plan that shows the precise alignment of the pipelines in relation to existing orchard trees.	60 days prior to construction of water supply and waste water pipelines				
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Notify the CPM that stakes have been installed and the route is ready for inspection.	7 days prior to ground disturbing activities related to pipeline construction				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Submit a description of the procedure to minimize alteration of original soil stratigraphy.	30 days prior to ground disturbing activities related to pipeline construction				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Notify the CPM of the schedule for trenching.	7 days prior to trenching for pipeline				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Submit photographs to the CPM that demonstrates that the topsoil has been kept separate from the subsoil.	7 days after start of trenching for pipeline				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Notify the CPM of the schedule for backfilling.	7 days prior to backfilling trenches				
LAND-11	The heat recovery steam generator stacks shall be limited to 145 feet above finished grade.	Submit the final design specifications to the CPM for review and approval.	60 days prior to start of construction	7/30/02	9/20/01	10/17/01	Complete
TRANS-1	Comply with Caltrans and Santa Clara County limitation on vehicle sizes and weights.	Provide the number of any oversize and overweight transportation permits received during that reporting period.	Monthly Compliance Report				In progress
TRANS-2	Comply with Caltrans and County limitations for encroachment into public rights-of-way and shall obtain necessary encroachment permits.	Submit copies of any encroachment permits received during that reporting period in the Monthly Compliance Report.	Monthly Compliance Report				Caltrans encroachment permit for gas pipeline submitted in May Report.
TRANS-3	Ensure that all federal and state regulations for the transport of hazardous materials are observed.	Copies of all permits and licenses acquired concerning the transport of hazardous substances.	Monthly Compliance Report				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
TRANS-4	The project owner shall enter into a Crossing Agreement with UPRR.	If the permanent crossing warning equipment is not in place , submit a traffic plan for the crossing to UPRR for review.	60 days prior to site preparation	11/15/01	8/16/01	8/16/01	Complete
TRANS-4	The project owner shall enter into a Crossing Agreement with UPRR.	Submit the executed Crossing Agreement to the CPM for approval.	60 days prior to site preparation	11/15/01	8/16/01	8/16/01	Complete
TRANS-4	Install railroad grade crossing warning equipment at the RR crossing for Blanchard Road.	Inform the CPM when the final grade crossing warning equipment is ready for inspection.	Installation of final grade crossing equipment	3/4/02	3/4/02		Submitted
TRANS-5	Consult with Santa Clara Co., San Jose, and Caltrans & prepare a Const. Traffic Control Plan and implementation program.	Provide to Santa Clara County, City of San Jose and Caltrans, and to the CPM, a copy of construction traffic control plan and implementation program.	30 days prior to start of site preparation	10/2/01	10/2/01	10/24/01	Complete
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these images.	Prior to start of site preparation	11/15/01	8/9/01	8/13/01	Complete
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these images.	Start of ground disturbing activities related to pipeline construction				
TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Notify Caltrans about the schedule for project construction.	60 days prior to site preparation	11/15/01	8/9/01	8/13/01	Complete
TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Meet with the CPM, Santa Clara County, the City of San Jose and Caltrans to determine actions necessary for repair of roadways.	30 days after completion of project construction				
TRANS-7	Prepare and submit a parking and staging plan for all phases of project construction.	Submit the parking and staging plan to the City of San Jose and Santa Clara County for review and comment, and to the CPM for approval.	60 days prior to start of site preparation	10/2/01	10/2/01	10/24/01	Complete
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Contact the City regarding the status of the off-site portion of the Santa Teresa Boulevard connection and inform the CPM.	12 months prior to commercial operation	12/31/03			
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Notify the City and CPM that the portion of the Santa Teresa Boulevard connection constructed by MEC is ready for inspection.	60 days prior to commercial operation	11/2/04			
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Notify residents and establish/post telephone number	15 days prior to start of rough grading	12/30/01	10/3/01	N/A	Complete
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed by the project manager attesting that the above notification has been performed.	Monthly Construction Report Following the Start of Rough Grading	2/14/02	2/14/02	N/A	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed attesting that notification was send to all residents within a 1-mile radius of the project.	15 days prior to the commencement of steam blow activity				
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Transmit a statement signed by the project manager attesting that a notification was send to all residents within a one-mile radius of the project.	Monthly Construction Report Following the Steam Blow activity				
NOISE-2	Throughout the construction and operation, document, investigate, evaluate and attempt to resolve all project related noise complaints.	File a copy of the Noise Complaint Resolution Form with City of San Jose and with the CPM documenting the resolution of the complaint.	30 days after receiving a noise complaint				
NOISE-3	Submit to the CPM for review a Noise Control Program.	Submit to the CPM the above referenced program.	30 days prior to Rough Grading	12/15/01	6/12/01	7/27/01	Complete
NOISE-4	If a traditional high-pressure steam blow process is employed, equip steam blow piping with a temporary silencer.	Submit to the CPM drawings describing the temporary steam blow silencer, and a description of the steam blow schedule.	15 days prior to first Steam Blow				
NOISE-5	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit a summary report of the survey to City of San Jose and the CPM.	Within 30 days after completing survey				
NOISE-5	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit to the CPM a summary report of a new noise survey.	Within 30 days of completion of installation of these measures				
NOISE-6	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	The survey shall be conducted within thirty (30) days after the facility is operating at an output of 80% of rated capacity or greater	Thirty days after the facility is operating at an output of 80%				
NOISE-6	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	Submit the noise survey report to the CPM. The project owner shall also submit the report to OSHA upon request.	Within 30 days after completing the survey				
NOISE-7	Construction shall be restricted to the hours of: 7 a.m. to 7 p.m. on weekdays and from 8 a.m. to 6 p.m on weekends and holidays.	Transmit a statement certifying that the above restrictions will be observed throughout the construction of the project.	First Monthly Compliance Report	11/15/02	11/15/02	N/A	Complete
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Submit proposed plan to the CPM for review and approval.	60 days prior to ordering first equipment that is color treated	8/1/02	8/1/02		Submitted for cooling tower color only. Comments received. Will coordinate re-submittal with VIS-9 submittal.
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification				Comments received. Will coordinate re-submittal with VIS-9 submittal.
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Notify the CPM that all structures treated during manufacture and all structures treated in the field are ready for inspection.	Not less than thirty (30) days prior to the start of commercial operation				
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	The project owner shall provide a status report regarding treatment maintenance in the Annual Compliance Report.	Annual Compliance Report				
VIS-2	Any fencing for the project shall be non-reflective.	Submit the specifications to the CPM for review and approval.	At least 30 days prior to ordering the non-reflective fencing				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
VIS-2	Any fencing for the project shall be non-reflective.	If the CPM notifies the project owner that revisions of the submittal are needed the project owner shall prepare and submit a revised submittal.	Within 30 days of receiving notification				
VIS-2	Any fencing for the project shall be non-reflective.	Notify the CPM that the fencing is ready for inspection.	Within 7 days after completing installation of the fencing				
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Notify the CPM that the lighting is ready for inspection.	Within seven (7) days of completing exterior lighting installation				
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Provide the lighting plan to the CPM for review and approval and to the City of San Jose for review and comment.	Ninety (90) days before ordering the exterior lighting.				
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification				
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	If the CPM notifies the project owner that revisions of the submittal are needed, shall prepare and submit to the CPM a revised submittal	Within 30 days of receiving notification				
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Notify the CPM after completing the surface restoration that it is ready for inspection.	Within seven days after completing the surface restoration				
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Submit the plan to the CPM for review and approval and to the City of San Jose or Santa Clara County for review and comment.	At least sixty days prior to beginning implementation of the surface restoration				
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of receiving notification				
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	The temporary and long-term aesthetic screening installations are ready for inspection.	Within seven days after implementing the proposed plan	7/6/2002 (temporary screen)	7/1/2002 (temporary screen)		
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit proposed plans to the City of San Jose for review and comment and CPM for review and approval.	At least ninety (90) days before intended removal of the temporary aesthetic screen				
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of notification				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Notify the CPM that the temporary aesthetic screening removal is ready for inspection.	Within seven days after implementing the proposed plan				
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01	N/A (City of San Jose)	Submitted. Comments rec'd from SJ Incorporated prior to submittal.
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the CPM for review and approval.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/2001, 12/18/01	2/15/02 (Aesthetic screen)	Revised Monterey Rd. plan submitted 12/18/01. Submitted revised Plan to City of San Jose Dept. of Public Works.
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas..	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment and the CPM for review and approval.	At least sixty (60) days prior to installing the screening				
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas.	Submit any required revisions	Within 30 days of notification				
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas..	The project owner shall notify the CPM when ready for inspection	Within seven days after completing installation of the screening				
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the City of San Jose and County of Santa Clara Parks and Recreation Department for review and comment.	90 days prior to start of construction	6/3/02	6/12/01		Submitted / In progress. Working with County.
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the CPM for review and approval.	90 days prior to start of construction	6/3/02	6/12/01		Submitted / In progress. Working with County.
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit any required revisions	Within thirty (30) days of notification by the CPM.				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Notify the CPM in writing that the aesthetic landscape screening installation is ready for inspection.	Within seven (7) days after completing the implementation of the proposed plan				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit detailed design specifications for the gas metering station to the County of Santa Clara Parks and Recreation Department for review and comment.	At least sixty (60) days before the beginning of construction of the gas metering station				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit detailed design specifications for the gas metering station to the CPM for review and approval.	At least sixty (60) days before the beginning of construction of the gas metering station				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit any required revisions.	Required revision within 30 days of notification by CPM.				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Notify the CPM that the aesthetic treatment and landscape screening installation is ready for inspection.	Within seven (7) days after implementing the proposed plan				
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design treatment plan to the City of San Jose for review and comment.	At least sixty (60) days prior to the start of architectural treatment				Complete
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design treatment plan to the CPM for review and approval.	At least sixty (60) days prior to the start of architectural treatment		10/2/02		Submitted. Comments received 10/31/02.
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Shall submit any required revisions.	Within thirty (30) days of notification by the CPM				
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Notify the CPM in writing that all structures are ready for inspection.	Thirty (30) days prior to the start of commercial operation				
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the City of San Jose for review and comment.	At least sixty (60) days prior to the start of construction	7/3/02	9/6/01	N/A	Complete
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the CPM for review and approval.	At least sixty (60) days prior to the start of construction	7/3/02	9/5/01		Submitted. CEC comments received.
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	The project owner shall submit any required revisions.	Within 30 days of notification by the CPM.		9/24/2002 11/6/02		Submitted. CEC comments received 10/25/02
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	The project owner shall submit to the City of San Jose and the County of Santa Clara Parks and Recreation Department for review and comment a specific plan.	Start of construction of the trail between Blanchard Road and railroad tracks				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit to the CPM for review and approval a specific plan describing its landscape plan.	Start of construction of the trail between Blanchard Road and railroad tracks				
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit any required revisions.	Within 30 days of notification by the CPM.				
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Notify the CPM, City of San Jose and County of Santa Clara Parks and Recreation Department that the planting installation is ready for inspection.	7 days after completion of planting installation				
VIS-12	Contact the owners of property along Blanchard Road and develop, a plan to screen views of the project from each property if so desired by a property owner.	Provide to the CPM a report on the landscaping/screening plan.	15 days prior to project construction	8/17/02	7/30/02	9/24/02	Complete
VIS-12	Contact the owners of property along Blanchard Road and develop, a plan to screen views of the project from each property if so desired by a property owner.	Notify the CPM when any measures are ready for inspection.	Measures are ready for inspection				
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Submit name and qualifications.	90 days prior to site preparation	10/16/01	7/26/01	7/27/01	Complete
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Confirm in writing to the CPM that the approved designated cultural resource specialist will be available at the start of construction.	At least 10 days but no more than 30 days prior to the start of earth disturbing activities	12/15/01	7/26/01	9/25/01 1/22/02	Complete
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Obtain CPM approval of the replacement specialist.	10 days prior to termination of Cultural Specialist				
CUL-2	Provide the designated cultural resource specialist and the CPM with maps and drawings showing the footprint of the power plant and all linear facilities.	Provide the designated cultural resource specialist and the CPM with the maps and drawings.	75 days prior to the start of earth disturbing activities	10/31/01	9/20/01	11/1/01	Complete
CUL-3	CRS shall prepare, and the owner shall submit to the CPM for review and written approval, a CRMMP.	Submit the Cultural Resources Monitoring and Mitigation Plan.	60 days prior to project site preparation	11/15/01	6/12/01	12/15/01	Complete
CUL-4	WEAT for cultural resources	Submit to the CPM for review and written approval, the proposed WEAT.	60 days prior to the start of construction on the project	11/15/01	9/20/01	12/5/01	Complete
CUL-5	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.	7 days after start of construction	1/21/02	9/29/01 1/29/02	2/10/02	Complete
CUL-5	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.	Monthly Compliance Report				In progress
CUL-6	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	Provide the CPM with a letter confirming CUL-6.	30 days prior to site preparation	12/15/01	7/20/01	8/6/01	Complete
CUL-6	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	For any cultural resource encountered, the project owner shall notify the CPM within 24 hours.	Within 24 hours of cultural resource discovery				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
CUL-7	Provide the designated cultural resource specialist with a current schedule of anticipated project activity in the following month and a map.	Provide the CPM with a copy of each weekly schedule of the construction activities.	10 days prior to site preparation	1/4/02	9/28/01	1/14/02	Complete
CUL-7	Provide the designated cultural resource specialist with a current schedule of anticipated project activity in the following month and a map.	Provide the CPM with a copy of each weekly schedule of the construction activities.	Monthly Compliance Report				In progress
CUL-8	CRS/monitor keep a daily log of any resource finds and the progress or status of the resource monitoring, mitigation, preparation, identification, and analytical work being conducted for the project.	Copies of the weekly summary reports shall be submitted to the CPM in the Monthly Compliance Report.	Monthly Compliance Report				In progress
CUL-9	Except in the areas specified in CUL-3(f), the designated cultural resource specialist or delegated monitor(s) shall be present at times the specialist deems appropriate.	Copies of the weekly summary reports prepared by the designated cultural resource specialist regarding project-related cultural resource monitoring.	Monthly Compliance Report				In progress
CUL-10	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Submit a copy of any permit addressing data recovery excavation.	Monthly Compliance Report				
CUL-10	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Provide written documentation to the permitting agency of compliance with any mitigation measures.	Completion of mitigation activity				
CUL-11	Ensure that the CRS performs the recovery, etc. of all cultural resource materials encountered and collected.	Maintain in its compliance files, copies of signed contracts or agreements with the museum(s), university (ies), or other appropriate research specialists.	Periodic Audit by the CPM				
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Submit it to the CPM for review and written approval.	7 days after completion of the proposed scope of work,				
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Ensure that the designated cultural resources specialist prepares the proposed scope of work .	Completion of Data Recovery per CUL-12				
CUL-13	Prepare a Cultural Resources Report as described in CUL-13. Submit the report to the CPM for review and written approval.	Ensure that the designated cultural resource specialist completes the Cultural Resources Report.	Within 90 days following completion of the data recovery and site mitigation work				
CUL-13	Prepare a Cultural Resources Report as described in CUL-13.	Submit the Cultural Resources Report to the CPM for review and written approval.	Within seven (7) days after completion of the report				
CUL-14	Submit an original, an original-quality copy, and a computer disc copy, of the CPM-approved Cultural Resource Report to the public repository to receive the recovered data and materials for curation, with copies to the State Historic Preservation Officer (SHPO), the appropriate regional archaeological information center(s), and a person employed by the City of San Jose who is authorized to receive confidential cultural resources information.	Provide to the CPM documentation that the report has been sent to the public repository receiving the recovered data and materials for curation, the SHPO and the appropriate archaeological information center(s), and the City of San Jose, to a person authorized to receive confidential cultural resources information.	Within thirty (30) days after receiving approval of the Cultural Resources Report				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
CUL-15	Ensure that all cultural resource materials, maps, and data collected during data recovery and mitigation for the project are delivered to a public repository.	Ensure that all recovered cultural resource materials are delivered for curation. For the life of the project, maintain copies of signed contracts or agreements with the public repository.	Within thirty (30) days after providing the CPM-approved Cultural Resource Report to the entities				
CUL-16	Consult with Ohlone/Costanoan Native American tribal representatives to develop an agreement(s) for qualified monitor(s).	Provide the CPM with a copy of all finalized agreements for Native American (Ohlone/Costanoan) monitor(s).	30 days prior to site preparation	12/15/01	8/8/01	8/15/01	Complete
CUL-17	Presence/absence testing shall be conducted in the vicinity of the natural gas pipeline route or PG& E metering station.	Reports addressing the results of the presence/absence testing shall be included in the Monthly Compliance Report.	Monthly Compliance Report				
CUL-18	Comply with Cul-1, Cul-4 and Cul-5. Comply with Cul-2 and Cul-3 for the entire project. CRS shall examine the area of initial project site mobilization.	Provide the CPM with information authored by the CRS identifying the area of initial site mobilization.	7 days prior to site mobilization	1/7/02	10/2/01	12/15/01	Complete
CUL-19	If the potable water wells and associated pipelines are to be located anywhere but in an area defined as part of the proposed project then a cultural resource assessment shall be required.	Submit the results of the records search and the results of the survey.	90 days prior to start of construction of wells				
SOCIO-1	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Submit copies of contractor, subcontractor, and vendor solicitations and guidelines stating hiring and procurement requirements and procedures.	60 days prior to site preparation	11/15/01	7/20/01	8/8/01	Complete
SOCIO-1	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Notify the CPM the reasons for any planned procurement of materials or hiring outside the local regional area that will occur during the next two months.	Monthly Compliance Report				In progress
SOCIO-2	Pay the one-time statutory school facility development fee as required at the time of filing.	Pay the statutory school facility development fee as required at the time of filing.	At Time of Filing				
SOCIO-2	Pay the one-time statutory school facility development fee as required at the time of filing.	Provide proof of payment of the statutory development fee.	Monthly Compliance Report after fees are paid				
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	Submit name, qualifications, address and telephone number of the individual selected.	60 days prior to start of ground disturbance	11/15/01	7/23/01	7/27/01	Complete
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	If the CPM determines the proposed Designated Biologist to be unacceptable, submit another individual's name and qualifications for consideration.	Notification by CPM that proposed Designated Biologist is unacceptable				
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Biologist shall maintain written records of the tasks described.	Monthly Compliance Report				In progress
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Submit record summaries in the Annual Compliance Report.	Annual Compliance Report				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
BIO-3	Act on the advice of the Designated Biologist to ensure conformance with the Biological Resources Conditions of Certification and shall halt all construction activities, if necessary.	Notify the CPM by telephone of the circumstances and actions being taken to resolve the problem or the non-compliance with a condition.	Within 2 working days of notification of non-compliance				
BIO-4	Submit to the CPM for review and approval a copy of the final BRMIMP and shall implement the measures identified in the plan.	Provide the CPM with the final version of the BRMIMP.	45 days prior to start of ground disturbance	11/30/01	7/23/01	8/30/01	Complete
BIO-4	Submit to the CPM for review and approval a copy of the final BRMIMP and shall implement the measures identified in the plan.	Provide to the CPM for review and approval, a written report identifying which items of the BRMIMP have been completed.	30 days after construction complete				
BIO-5	Develop the riparian corridor planting plan for inclusion into the BRMIMP.	Provide to the CPM for review and approval the riparian restoration plan.	45 days prior to ground disturbance	11/30/01	7/23/01	10/17/01	Complete
BIO-6	Develop WEAT for biological resources.	State in the Monthly Compliance Report the number of persons who have completed the training in the prior month.	Monthly Compliance Report				In progress
BIO-6	Develop WEAT for biological resources.	Provide copies of the WEAT and the name and qualifications of the person(s) administering the program.	60 days prior to start of rough grading	11/15/01	9/20/01	12/5/2001 3/13/02 (video)	Complete
BIO-7	Acquire a SAA from CDFG.	Submit to the CPM a copy of the final CDFG Streambed Alteration Agreement.	30 days prior to the start of any streambed alteration disturbances		9/30/02 (outfall)		In progress
BIO-8	Provide a final copy of the U.S. Fish and Wildlife Service Biological Opinion.	Submit to the CPM a copy of the USFWS Biological Opinion.	45 days prior to the start of ground disturbance	11/30/01	7/23/01	7/27/01	Complete
BIO-9	Provide a final copy of the Nationwide No.7 permit.	Submit to the CPM a copy of the Nationwide No. 7 permit.	30 days prior to the start of any streambed alteration	8/1/02	8/14/02		Submitted
BIO-10	Provide 116 acres of land on Tulare Hill and 15 acres of land on Coyote Ridge, the name of the entity that will be managing the land in perpetuity, and the endowment funds.	Provide to the CPM for approval, the name of the management entity, written verification that the compensation lands have been purchased and written verification that the appropriate endowment fund has been received.	Within one week of commencing ground disturbance activities	1/21/02	2/26/02		Submitted
BIO-11	Develop a suitable final habitat management and monitoring plan for lands purchased on Tulare Hill and Coyote Ridge.	Provide the CPM with the final approved version of the management plan. Incorporate into BRMIMP.	60 days prior to start of ground disturbance	11/15/01	6/25/01	7/9/01	Complete
BIO-12	Incorporate into closure plan measures that address the local biological resources and incorporate into the BRMIMP.	Address all biological resource-related issues associated with facility closure.	12 months prior to facility closure				
BIO-13	Comply with BIO-1, BIO-2, and BIO-10 and complete BIO-6. Examine the area and ensure no special status species are present.	Provide the CPM with the location, date(s), methods(s), and results of the pre-examination.	10 days prior to mobilization	1/4/02	9/28/01	10/17/01	Complete
SOIL & WATER-1	Disinfected, tertiary-treated, recycled water will be used at the Metcalf Energy Center for cooling purposes and other appropriate non-potable uses.	Provide CPM with a copy of a valid Recycled Water use permit from the City of San Jose.	Construction complete				
SOIL & WATER-1	Potable water may be used for cooling purposes only in the event that SBWR recycled water service is interrupted.	Provide a record of water consumption for the MEC.	Monthly Compliance Report				In progress

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
SOIL & WATER-1	Potable water may be used for cooling purposes only in the event that SBWR recycled water service is interrupted.	Provide a record of water consumption for the MEC.	Annual Compliance Report				
SOIL & WATER-1	Provide a firm commitment for its construction water supply.	Submit commitment to CPM.	30 days prior to the start of construction	8/2/02	12/5/01	12/28/01	Complete
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Submit a copy of the SWPPP to the CPM for review and approval.	30 days prior to start of ground disturbance	12/15/01	8/31/01	10/18/01	Complete for project site
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Approval of the plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.	Start of ground disturbance	1/14/02	8/31/01	10/18/01	Complete for project site
SOIL & WATER-3	Final erosion control and revegetation plan that addresses all project elements.	Approval of the final plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.	Start of ground disturbance	12/15/01	8/31/01	10/18/01	Complete for project site
SOIL & WATER-4	Obtain SCVWD approval for all activities within floodways or upon or within the banks of watercourses.	Obtain SCVWD approval.	30 days prior to ground disturbance	12/15/01	8/31/01	1/25/02	Complete (4 permits)
SOIL & WATER-5	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP).	60 days prior to commercial operation				
SOIL & WATER-5	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.	Submit a copy of the Storm Water Pollution Prevention Plan (SWPPP).	2 weeks prior to commercial operation				
SOIL & WATER-6	Industrial Discharge Permit from the City of San Jose Environmental Services Division.	Provide the CPM a copy of a valid Industrial Discharge Permit.	45 days prior to commercial operation				
SOIL & WATER-7	Obtain a Section 401 Certification from the San Francisco RWQCB.	Submit to the CEC CPM a copy of the Section 401 Certification.	30 days prior to the start of any streambed alteration activities				Submitted permit application for outfall and gas pipeline 6/28/02.
SOIL & WATER-8	Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Submit the following to the Energy Commission CPM: all construction specifications, a copy of the valid well permit(s) and registration numbers, any construction or operation conditions.	30 days prior to construction of wells				
SOIL & WATER-8	Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Notify the CPM that the wells have been installed and submit the results of the pump and aquifer tests conducted.	30 days after completion of wells				
SOIL & WATER-9	Design, construct, and fully fund the portion of the SBWR reclaimed water supply pipeline dedicated to, and essential for, the operation of MEC.	Submit evidence demonstrating that the project owner has negotiated or is negotiating one or more agreements to provide SBWR reclaimed water.	30 days prior to start of construction	8/2/02	8/24/01	10/1/01	Complete
GEO-1	Assign to the project an engineering geologist(s).	Submit to the CPM the name(s) and license number(s) of the certified engineering geologist(s).	30 days prior to start of construction	8/2/02	7/27/2001 1/28/02	N/A	Complete
GEO-1	Assign to the project an engineering geologist(s).	Notify CPM of replacement of Engineering Geologist	Replacement of Engineering Geologist	1/28/02	1/28/02	2/6/02	Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit Grading Permit Application	Application for Grading Permit per GEO-2	1/11/02	1/11/02	4/4/02	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit a signed statement to the CPM stating that the Engineering Geology Report has been submitted to the CBO .	15 days after submittal of application	1/26/02	1/14/02	1/24/02	Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit copies of the Final Engineering Geology Report to the CPM and the CBO.	90 days following completion of Final Grading				
PAL-1	Ensure that the designated paleontological resource specialist is available for field activities.	Submit the name and resume and the availability for its designated paleontological resource specialist.	90 days prior to start of construction	6/3/02	7/26/01	7/27/01	Complete
PAL-1	Ensure that the designated paleontological resource specialist is available for field activities.	Obtain CPM approval of the replacement specialist.	10 days prior to termination or release of PRS				
PAL-2	Prepare Paleontologic Resources Monitoring and Mitigation Plan.	Provide the CPM with a copy of the Monitoring and Mitigation Plan.	60 days prior to start of construction	6/12/01	6/12/01	7/27/01	Complete
PAL - 3	WEAT for paleo resources.	Submit to the CPM for review, comment, and written approval, the WEAT.	30 days prior to start of construction	9/20/01	9/20/01	10/3/2001 3/20/02 (video)	Complete
PAL-3	WEAT for paleo resources.	Documentation for training of additional new employees.	Monthly Compliance Report				In progress
PAL-4	The designated paleontological resource specialist shall be present at all times he or she deems appropriate to monitor.	Include a summary of paleontological activities.	Monthly Compliance Report				In progress
PAL-5	Ensure recovery, preparation for analysis, analysis, identification and inventory, the preparation for curation, and the delivery for curation of all significant paleontological resource materials.	Maintain in compliance files copies of signed contracts or agreements with the designated paleontological resource specialist. Maintain these files for a period of three years after approval Paleontological Resources Report.	Periodic Audit by the CPM per PAL-5				
PAL-6	Ensure preparation of a Paleontological Resources Report by the designated paleontological resource specialist.	Submit a copy of the Paleontological Resources Report to the CPM for review and approval.	Within 90 days following completion of the analysis				
PAL-7	Include in the facility closure plan a description regarding facility closure activity's potential to impact paleontological resources.	Include a description of closure activities in the facility closure plan.	Facility Closure Plan				
GEN-1	Design, construct and inspect the project in accordance with the 1998 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Submit to the CPM a statement of verification attesting that all designs, construction, installation and inspection requirements of the applicable LORS and the Decision have been met.	Within 30 days after receipt of the Certificate of Occupancy.				
GEN-1	Design, construct and inspect the project in accordance with the 1998 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Provide the CPM a copy of the Certificate of Occupancy.	Within 30 days after receipt of the Certificate of Occupancy.				
GEN-2	Submit to the CPM and CBO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.	Submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO and to the CPM.	60 days prior to start of rough grading	11/15/01	10/4/01	10/18/01	Complete
GEN-2	Submit to the CPM and CBO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.	Provide schedule updates in Monthly Compliance Report	Monthly Compliance Report				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
GEN-3	Make payments to the CBO for design review, plan check and construction inspection.	Make the required payments to the CBO at the time of submittal.	Submittal of plans to the CBO.				In progress
GEN-3	Make payments to the CBO for design review, plan check and construction inspection.	Send a copy of the CBO's receipt of payment to the CPM.	Monthly Compliance Report after Fees are Paid	11/15/01	12/14/01	N/A	In progress
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit to the CBO for review and approval, the name, qualifications and registration number of the RE.	30 days prior to start of rough grading	12/15/01	8/1/01	8/7/01	Complete
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO's approvals of the RE.	Within 5 days of CBO approval	8/12/01	9/19/01	N/A	Complete
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	12/12/01	12/12/01	1/16/02	Complete
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO 's approval of the new engineer (RE).	Within 5 days of CBO approval	1/21/02	1/18/02	N/A	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer;C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit to the CBO for review and approval, the names, qualifications, and registration numbers of all the responsible engineers.	30 days prior to start of rough grading	12/15/01	8/1/01	8/7/01	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer;C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	The project owner shall notify the CPM of the CBO 's approvals of the engineers within five days of the approval.	Within 5 days of CBO approval	8/12/01	8/16/01	N/A	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer;C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit qualifications of replacement engineer.	Within 5 days		12/17/01 11/26/01	1/16/02 1/18/01	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer;C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Notify the CPM of the CBO 's approval of the new engineer.	Within 5 days of CBO approval		1/18/02 & 1/28/02	N/A	Complete
GEN-6	Assign qualified and certified special inspector(s).	Submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications.	15 days prior to any activity requiring Special Inspection		1/11/02	1/16/02	In progress
GEN-6	Assign qualified and certified special inspector(s).	Submit to the CPM a copy of the CBO's approval.	Monthly Compliance Report after Special Inspectors are approved		2/14/02		In progress
GEN-6	Assign qualified and certified special inspector(s).	Replacement of special inspectors	Replacement of Special Inspector				
GEN-6	Assign qualified and certified special inspector(s).	Notify the CPM of the CBO's approval of the newly assigned inspector.	Within 5 days of CBO approval				
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Submit monthly construction progress reports to the CBO and CPM.	Monthly Construction Progress Report				In progress
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Document the discrepancy and recommend the corrective action required.	Discrepancy in Design or Construction				
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Transmit a copy of the CBO 's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	Within 15 days of CBO Approval or Disapproval of Discrepancy				
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO 's approval.	Within 5 days of CBO Approval or Disapproval of Discrepancy				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
GEN-8	Obtain the CBO's final approval of all completed work.	Submit to the CBO, with a copy to the CPM, a written notice that the completed work is ready for final inspection, and a signed statement that the work conforms to the final approved plans.	Within 15 days of the completion of any work				
CIVIL-1	Prior to the start of site grading,submit to the CBO for review and approval the following:1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report	Submit the documents described above to the CBO for review and approval.	15 days prior to start of rough grading	12/30/01	8/27/01	4/2/02	Complete (Except for approval of Construction Facilities Plan, Rev.2)
CIVIL-1	Prior to the start of site grading,submit to the CBO for review and approval the following:1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report	Submit a written statement certifying that the documents have been approved by the CBO.	Monthly Compliance Report after CIVIL-1 Documents are Approved	5/14/02	5/14/02		Submitted with May Monthly Compliance Report.
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Notify CPM within 5 days when work is stopped.	Within 5 days when work is stopped				
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Submit modified plans, specifications and calculations to the CBO based on new conditions.	Work Stopped Due to Unforeseen or Adverse Soil Conditions				
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Copy CPM within 5 days of CBO approval of Modified Plans.	5 days of CBO approval				
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Start of Rough Grading				
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	The resident engineer shall transmit to the CBO and the CPM a Non-Conformance Report and the proposed corrective action.	Within 5 days of discovery of discrepancy in grading				
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Submit the details of the corrective action to the CBO and the CPM.	Within 5 days of resolution of grading NCR.				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	A list of NCR's, for the reporting month, shall also be included in the following Monthly Compliance Report.	Monthly Compliance Report after Resolution of Grading NCR.				
CIVIL-4	After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit to the CBO the responsible Civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans.	30 days after completion of the Erosion and Sediment Control Mitigation and Drainage Facilities	7/26/02	7/26/02		Complete for phase 1 grading only.
CIVIL-4	After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit a copy of this report to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report Following Completion of the Erosion and Sediment Control Mitigation and Drainage Facilities	8/14/02	8/14/02		Complete for phase 1 grading only.
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CBO, with a copy to the CPM, the responsible design engineer's signed statement that the final design plans, specifications and calculations conform with all of the requirements.	30 days prior to any increment of STRUC-1 Construction				
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Obtain approval from the CBO of lateral force procedures proposed for project structures. Obtain approval from the CBO for the final design plans, specifications, calculations, soils reports, and applicable quality control procedures. Submit to the CBO the required number of copies of the structural plans, specifications, calculations. The final designs, plans, calculations and specifications shall be signed and stamped by the responsible design engineer.	90 days prior to the start of on-site fabrication and installation of each structure				In progress
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	If the CBO discovers non-conformance with the stated requirements, resubmit the corrected plans to the CBO with a copy to the CPM.	Within 20 days of receipt of the nonconforming submittal				
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CPM a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and are in conformance with the requirements.	Approval by the CBO of Resubmitted STRUC-1 Submittal				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit test reports and inspection reports to the CBO	Test Reports or Inspection Reports are Complete				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If a discrepancy is discovered in any of the above data prepare and submit an NCR to the CBO, with a copy of the transmittal letter to the CPM.	Within 5 days of discovery of discrepancy				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit a copy of the corrective action to the CBO and the CPM.	Within five days of resolution of the NCR				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Transmit a copy of the CBO 's approval or disapproval of the corrective action to the CPM.	Within 15 days of CBO approval				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO 's approval.	Within 5 days of CBO disapproval				
STRUC-3	Submit to the CBO design changes to the final plans required by the 1998 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CBO of the intended filing of design changes, and shall submit the required number of sets of revised drawings and the required number of copies with a copy of the transmittal letter to the CPM.	Design Changes to STRUC-1 Designs Previously Approved by the CBO				
STRUC-3	Submit to the CBO design changes to the final plans required by the 1998 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CPM, via the Monthly Compliance Report, when the CBO has approved the revised plans.	Monthly Compliance Report				
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification.	30 days prior to the start of installation of the tanks or vessels				
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Send copies of the CBO approvals of plan checks to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report				
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Transmit a copy of the CBO 's inspection approvals to the CPM.	Monthly Compliance Report				
MECH-1	Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system.	Submit to the CBO for approval, with a copy to the CPM, the proposed final design plans, specifications, calculations, and quality control procedures for that increment of construction of piping systems.	30 days prior to the start of any increment of piping construction				
MECH-1	Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system.	Transmit a copy of the CBO 's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO inspection Approval of MECH-1 Piping Systems				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification, with a copy to the CPM.	30 days prior to the start of on-site fabrication or installation of any pressure vessel				
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	The project owner shall send copies of the CBO plan check approvals to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for Pressure Vessels				
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	Transmit a copy of the CBO 's and/or Cal-OSHA inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of Pressure Vessels Defined in MECH-2				
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Submit to the CBO the required HVAC and refrigeration calculations, plans and specifications, including a copy of the signed and stamped statement from the responsible mechanical engineer, with a copy to the CPM.	30 days prior to the start of construction of any HVAC or refrigeration system				
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Send copies of CBO comments and approvals to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for HVAC Systems				
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of HVAC Systems Defined in MECH-3				
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO 's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Submit to the CBO the final design plans, specifications and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC	30 days prior to the start of construction of any of the above systems				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO 's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Send the CPM a copy of the transmittal letter with the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC in the next Monthly Compliance Report.	Monthly Compliance Report after Mechanical Engineer Certification of HVAC System per MECH-4				
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO 's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Transmit a copy of the CBO 's inspection approvals to the CPM in the next Monthly Compliance Report following completion of that increment of construction.	Monthly Compliance Report after CBO Inspection of HVAC System per MECH-4				
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	Submit to the CBO for review and approval the final design plans, specifications and calculations for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer.	30 days prior to the start of each increment of electrical construction				
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	Send a copy of the transmittal letter of the signed and stamped statement from the electrical engineer attesting compliance with the applicable LORS to the CPM.	Monthly Compliance Report after submitting Electrical Documents for CBO Approval per ELEC-1				
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	The following activities shall be reported in the Monthly Compliance Report: 1. Receipt or delay of major electrical equipment, 2. Testing or energization of major electrical equipment.	Monthly Compliance Report after Receipt or Testing of Equipment or CBO Approval of Electrical Drawings per ELEC-1				
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1998, Section 106.3.2, Submittal documents.]	Submit to the CBO for review and approval the final design plans, specifications and calculations, for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer certifying compliance with the applicable LORS.	30 days prior to the start of each increment of electrical equipment installation				In progress
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1998, Section 106.3.2, Submittal documents.]	Send a copy of the transmittal letter of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report after submitting Electrical Documents for CBO Approval per ELEC-2				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: Design drawings, specifications and calculations for the poles/towers, foundations, anchor bolts, conductors, grounding systems and major switchyard equipment.	60 days prior to construction of transmission facilities				
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: b) For each element of the transmission facilities as identified above, the submittal package to the CPM shall contain the design criteria, etc.	60 days prior to construction of transmission facilities				
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: c) Electrical one-line diagrams signed and sealed by the registered professional electrical engineer in responsible charge, a route map, and an engineering description of equipment.	60 days prior to construction of transmission facilities				
TSE-2	Inform the CPM of any impending changes which may not conform to the requirements of 1a - h listed in TSE-1 and request CPM approval to implement changes.	Inform the CPM of any impending changes which may not conform.	60 days prior to construction of transmission facilities				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM "as built" engineering description(s) and one-line drawings of the as-built facilities signed and sealed by a registered electrical engineer in responsible charge.	Within 60 days after synchronization of the project				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM an "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer.	Within 60 days after synchronization of the project				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM a summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer.	Within 60 days after synchronization of the project				
Governor's Executive Order No. D-25-01	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docketing. If this deadline is not met, the CPM will establish the milestones.	ESTABLISH PRE-CONSTRUCTION MILESTONES TO ENABLE START OF CONSTRUCTION WITHIN ONE YEAR OF CERTIFICATION	Project Certification	10/24/01	10/24/01	11/19/01	Complete
Governor's Executive Order No. D-25-01	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docketing. If this deadline is not met, the CPM will establish the milestones.	ESTABLISH CONSTRUCTION MILESTONES FROM DATE OF START OF CONSTRUCTION	Project Certification	10/24/01	10/24/2001 9/10/02	11/19/2001 10/25/02	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
US Dep Commerce	The project applicant shall notify the NMFS Santa Rosa office when project construction begins and ends. (horizontal drilling)	Notify NMFS	Start of streambed alteration activities				
Pre-constr matrix	Prior to commencing construction a compliance matrix addressing only those conditions that must be fulfilled before the start of construction shall be submitted to the CPM.	Construction shall not commence until the pre-construction matrix is submitted, all pre-construction conditions have been complied with, and the CPM has issued a letter to the project owner authorizing construction.	Start of Construction	9/1/02	8/7/02	8/30/02	Complete
Compliance matrix	A compliance matrix shall be submitted by along with each monthly and annual compliance report.	Submit compliance matrix to CPM	Monthly Compliance Report	11/15/01	11/15/01		In progress

PUBLIC CONTACT LOG
COMPLAINTS, NOTICES OF VIOLATION, OFFICIAL WARNINGS AND CITATIONS

CALL LOG FOR MEC PUBLIC INFORMATION PHONE LINE

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #13

MEC PUBLIC CONTACT LOG - October 2002

DATE/TIME	NAME & CONTACT	FORM OF CONTACT	PURPOSE OF CALL/CONTACT	ACTION/RESOLUTION	DATE/TIME OF RESPONSE	MEC REP
10/1/2002 5:52PM	Barbara	Phone	Asked how long pile driving would last.	Returned call and left message	10/2/2002	Lisa Poelle
10/2/2002 7:57PM	Susie	Phone	Worried about increased traffic.	Returned call. Discussed construction timeline.	10/2/2002	Lisa Poelle

CBO SUBMITTALS, COMMENTS AND APPROVALS

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #13

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/B&R AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Plan Checker	Package Title	Review /Approval Dates						Comments
					Issued	Response Due	Response Forecast	Response Received	Resubmit	Status	
Never Assigned	Never Assigned	00001		Never Assigned	Never Assigned	Never Assigned	Never Assigned	Never Assigned	Never Assigned	Never Assigned	
Never Assigned	Never Assigned	00002		Never Assigned	Never Assigned	Never Assigned	Never Assigned	Never Assigned	Never Assigned	Never Assigned	
		00009		Construction Facilities Drawing	2/27/2002	3/20/2002	3/21/2002				
GEN-2		00010		Gas Turbine Difuser	2/27/2002	3/20/2002	3/21/2002	3/29/2002	See 00025	A-3/29/2002	
GEN-2		00025		Condition of Certification-Gas Turbine Difuse	4/22/2002	NA				A-4/24//02	
GEN-6	1008			Field Engineers and Special Inspectors John Edwin Nelson and Roman M. Reyes						A-9/28/02	
GEN-5	1009			Bechtel Proposed CBO Submittal List (24193-000-T01-GEGX-0001						C-10/16/02	
GEN-5	1011			Qualifications Statement Ballod (Civil), Masi (Mech) & Rubin (Elec						A-1/18/02	
GEN-4	1012			Statement of Qualifications, Shuke Miao, (Resident Engineer [CIVIL]) Mortenson						A-1/17/02	
GEN-5	1013			Statements of Qualifications C. Barry Butler and Richard G. Woodward-(Geotech)						A-1/16/02	
GEN-5	1014			Statement of Qualifications, Bill Petrosk						C-1/18/02	
GEN-5	1015			Special Inspectors-Jarrod Bordi (1 of 6) ICBO/AC	1/11/2002					A-1/16/02	AWS/CW
GEN-5	1015			Special Inspector-Kevin Brown (2 of 6)-ICBO/AC	1/11/2002					A-1/16/02	
GEN-5	1015			Special Inspector-Leah Welliver (3 of 6)-ICBO/AC	1/11/2002					A-1/6/02	
GEN-5	1015			Special Inspector - Steven Harvey (4 of 6)-ICBO/AC	1/11/2002					A-1/16/02	
GEN-5	1015			Special Inspectors-Bundy Chamberlain Jr.(5 of 6	1/11/2002					C-1/16/02	
GEN-5	1015			Special Inspectors - Daniel Camacho (6 of 6	1/11/2002					C-1/16/02	
GEN-6	1015			Statement of Qualification - Special Inspector	1/11/2002					C-1/17/02	
GEN-5	1016			Statement of Qualifications, Emma, Chaines						A-9/20-02	
GEN-1	1017	00051		CBO Submital List	7/18/2002	NA					
GEN-1	1017	00083		CBO Submital List	10/11/2002	NA					
GEN-5	1017			Statement of Qualifications, Lantn						A-9/20/02	
GEN-1	4003	00091		Unsealed Review of Documents Fire Risk Evaluation Plan, Rev. B (10/30/02) M203 Fire Protection Arrangement Sheet 1, Rev. 0, (10/18/02) M201 General Arrangement Plan at Grade Sheet 1 of 13 Rev. (6/7/02) MT-P-2052-FWS-001 Piping and Instrumentation Diagram Fire Water sher 1 of 2 Rev. 2 (9/17/02) mt-p-2053-fws-002 Piping and Instrumentation Diagram Fire Water 2 of Rev. 2 (8/28/02)	10/30/2002	11/12/2002					Please note that this package condition is Gen-5 while the package # is mechanical

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CIVIL-1				Storm Drain System Desigr							
CIVIL-1	2001			Rough Grade Plan Check	8/29/2001					C-9/18/01	
CIVIL-1	2001			Grading Retaining Wall-Geotech Review	9/18/2001					C-10/19/01	
	2001			Geotechnical Report (by Arroyo	1/12/2002					6/12/2002	
CIVIL-1	2002			Plot Plan - Bechtel C2-0000-0000:						C-10/26/02	
CIVIL-1	2003			Engineering Geology Repor	10/26/2002				See 2008		
CIVIL-1	2004			Engineering Geology Repor	10/26/2002				See 2008		
CIVIL-1	2005			Technical Pecification for Earthwork						C-11/15/02	
CIVIL-1		00020		Subsurface Investigation & Geology Report (BECTEL's) CY-0000-001 Rev H - 0-CG-0100-00002 Rev. 1, 0-CG-0090-00006 Rev. 0, 0-C2-0000-00001 Rev. 1	4/2/2002	NA				A-4/4/02	
GEO-2	2008			Engineering Geology Report - Application for Grading Perm						C-1/17/02	
GEO-2	2008	00007		Subsurface Investigation & Foundation Report-Responses to Arroyo: comments	2/15/2002	3/8/2002	3/22/2002	Verbal Evans	See 00012	Verbal Evans	
GEO-2	2008	00012		Subsurface Investigation and Foundation Report-Revision	3/6/2002		3/22/2002	3/29/2002		A-3/29/02	
CIVIL-1	2009	00028		Sediment & Erosion control - C050 South laydown yard Sediment & Erosion Control Plan Rev 0 C060 Sedimentation & Erosion Notes & Details Rev 0 C061 Sedimentation&Erosion Details Rev.0	4/30/2002	5/21/2002	CEC			A-9/26/02 Verbal HK	Disposition dated 10/14/02
CIVIL-1	2009	00048		Sediment & Erosion Control Burns & Roe response to comment	7/3/2002	7/24/2002				A-9/26/02	Disposition dated 10/14/0:
CIVIL-1	2010	00029		Burns & Roe Response to comments on Design of Concrete Filled Pipe Piles	5/6/2002	5/28/2002				A-5/8/02	**Approved with 3014**
CIVIL-1	2011	00054		Site Observation Report Dated 7/25/0:	7/29/2002	9/30/2002					
CIVIL-1??		00004		Retaining Wall Design (Superceded by Keystone Blocks	2/6/2002						
CIVIL-1	2012	00069		Retaining Wall as built drawings 0-CG-0090-0006 Rev 2 and 2484-C030 Rev. I	9/13/2002	10/7/2002			Replaces FCR 0002		Low Priority per JF on 10/9/02

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STRUC-1		00005		Piling Drawing for CTG & STG Foundation S110 Composite Pile Plan Rev A S111 Pile Sections and Details S200 Combustion Turbine Generator Pedestal Pile Location Plan S240 Steam Turbine Generator Pedestal Pile Location Pla	2/6/2002	2/27/2002	3/21/2002	3/29/2002		A-3/29/02	
STRUC-1		00006		Spec's for concrete curing, forming & Grout 03100, 03390 & 03600 Rev. A	2/15/2002	3/8/2002		3/15/2002	See 00017	3/15/2002	
STRUC-1		00011		CTG STG & HRSG Pile Calculations	2/28/2002	3/21/2002	3/21/2002	3/29/2002		A-3/29/02	
STRUC-1		00013		CBO 0005, 0006, 0007Overdue Response Notification	3/11/2002	NA			Resp to 00005,00006, 00007		
STRUC-1	3001			HRSG Foundation and Lateral calculation:	8/9/2001					C-9/28-01	
STRUC-1	3001			HRSG Structural Calculations	11/1					C-11/7/02	
STRUC-1	3001			HRSG - Frame corner connections, shear blocks, base plates and casing stiffeners						C-1/14/02	
STRUC-1	3002	00003		(test piles) Specs for Piling, 02472, Concete Filled Pipe Piles, Rev.C 02473 Pile Test Program Rev 0 03200 Concrete Reinforcement Rev 0 03300 Cast-In-Place Concrete Rev. 0 S108 Pile Load Test Plan Rev. 0. S109 Test Pile Sections & Details Rev. (	1/31/2002			3/1/2002	See 00015	C-3/1/02	
STRUC-1	3002	00015		(test piles) Specs for Piling, 02472, Concete Filled Pipe Piles, Rev.C 02473 Pile Test Program Rev A 03200 Concrete Reinforcement Rev A 03300 Cast-In-Place Concrete Rev. A S108 Pile Load Test Plan Rev. D. S109 Test Pile Sections & Details Rev. E	3/14/2002	3/21/2002	3/21/2002	3/29/2002		A-3/29/02	
STRUC-1	3002	00089		Specification 03200 Cast Iron Pipe Support Plan	6/29/2002	11/19/2002					
STRUC-1	3004			Report on Seismic Design Motions						3/14/2002	
STRUC-1	3006			Concrete formwork, Curing & Grout Spec 03100, Concrete Curing Specs 03390 Rev. A and Grout, Spec 03600 Rev.A	1/31/2002					A-3/26/2002	

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STRUC-1	3006	00017		Spec's for concrete curing, forming & Grout 03100, 03390 & 03600 Rev. A	3/20/2002	4/10/2002				A-3/26/02	
STRUC-1	3007			Design Report for W501F Exhaust System Difuser						A-4/24/02	
STRUC-1	3009	00008		HRSG Piles- Pile Location Plan S30(	2/20/2002	3/13/2003	3/21/2002	3/29/2002		A-5/15/02	
STRUC-1	3010	00014		Gas Turbine documentation SWPC-CM-008 Enclosure "B" Side Platform Analysis SWPC-CM-009 Generator End Exterior Platform and Stair SWPC-CM-010 Exhaust End Exterior Platform and Stair SWPC-CM-011 Exhaust End Interior Platform and Stair 17-001-HR Sheets 1-7 Rev 1 General Arrangement 501FD Inlet Silencer System/CBO/Calcs 01366-00 Inlet Silencer 1S10420 Sheets 1-20 Foundation Loads and Anchor 94P0260 Sheets 1-20 Foundation Loads and Anchor Z101.72 Excitation System for STG Z101.73 Excitation System for CTG	3/13/2002	4/3/2002	4/3/2002	4/4/2002	See 00031	C-4/3/02	
STRUC-1	3010	00031		Gas Turbine Document - Calculations, other documentation and Siemens Westinghouse response to Willdan's 4/3 Comments Dwg 17-001-HR.R1	5/17/2002	NA				A-5/31/02	
STRUC-1	3010	00071		Siemens Westinghouse Dwg 17-001-HR.R2 General Arrangement 501F Inlet Silencer System.	9/18/2002	10/10/2002					
STRUC-1	3011	00016		Specs 01410 Rev. B -Testing Laboratory Services	3/18/2002	4/8/2002				A-4/8/02	
STRUC-1	3012	00018		Civil Structural Design Criteria	3/20/2002	4/10/2002		4/18/2002	as CBO 00026	N-4/18/02	
STRUC-1	3012	00026		Civil/Structural Design Criteria - fixed head moment values for each pile.	4/26/2002	5/17/2002				C-5/15/02	
STRUC-1	3012	00018		Civil/Structural Design Criteria					See 00018 & 00026	A-5/15/02	
STRUC-1	3012	00082		Civil/Structural Design Criteria Rev.	10/3/2002	10/24/2002				A-11/7/02	
STRUC-1	3013	00019		Gen. Notes & Typical Detail Drawings S101, S680, S685, S690, S980, S981, S984, S985, S988, S989, S991S993 & S997 Rev.C	4/29/2002		4/23/2002			A-4/30/02	
STRUC-1	3013	00027		Gen. Notes & Typical Detail Drawings S101, S680, S685, S690, S980, S981, S984, S985, S988, S989, S991S993 & S997 Rev.A	4/29/2002	5/20/2002				A-4/30/02	

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STRUC-1	3014	00082		Composite Pile Plan Drawing S100 Rev.	10/8/2002	10/24/2002				A-11/7/02	
STRUC-1	3014	00022		Piles CTG/STG/HRSG Calculations Concrete Filled Pipe Piles 02484-001-06-001 Rev. 0 Combust Turb Found Unit 1 02484-001-06-004 Rev. 0 Steam Turb Ped Found 02484-001-06-005 Rev. 0 Mat Foundation for HRSG and Stack Unit 1 02484-001-06-001 Rev. 0 Composite Pile Plan S110 Rev. 0 Pile Section and Details S111 Rev. 0 CTG Pile Location S200 Rev. 0 STG Pedetal Pile S240 Rev. 0 HRSG Pile Location Plan Unit 1 Rev. 0	4/4/2002	4/25/2002		4/26/2002	see 00029	A-5/8/02	Sent to JL (Industry 1/04) Approved Disposition dated 8/31/02
STRUC-1	3015	00023		HRSG & Stack foundation Mat Calc 02484-001-06-007 - Unit 2 Foundation Drawings: S305 HRSG Plan Unit #1 Rev. 0 S306 HRSG Plan Unit #2 Rev 0 S307 HRSG Reinforcing Plan Unit #1 Rev 0 S308 HRSG Reinforcing Plan Unit #2 Rev 0 S310 HRSG Section & Details Unit #1 Rev 0 S311 HRSG Section & Details Unit #2 Rev 0 S312 HRSG Sole Plate DetailsUnit #1 Rev 0 S313 HRSG Sole Plate DetailsUnit #2 Rev 0 S314 HRSG Shear Key Pocket Details Units #1&2 Rev 0	4/12/2002	5/3/2002				A-5/16/02	
STRUC-1	3016	00021		200 Gal. Reservoir Hydraulic Power Unt/Seismic Calc	4/2/2002	4/23/2002				A-5/10/02	
STRUC-1	3017	00024		Drawings & Calcs. - CTG Foundations Calc 02484-001-06-004 CTG Units 1&2 Found. Rev.0 S205 CTG Units 1&2 Rev 0 S206 CTG Units 1&2 Rev 0 S208 CTG Units 1&2 Rev 0 S210 CTG Units 1&2 Rev 0	4/16/2002	5/7/2002		5/31/2002		A-5/31/02	**Approved with 2010 Approved Disposition dated 10/22/02**
STRUC-1	3017	00073		Revisions and Resubmittal with the new Pile capacities -Calculations for CTG foundations Calculation 02484-001-06-004Rev 1 Dated 9/1	9/19/2002	10/3/2002			see 00072	A-10/22/02	
STRUC-1	3017	00095		Combustion Turbine Foundation S205 Combustion Turbine Generator Units 1&2 Foundation Plan Rev. 1 dated 10/29/0	11/5/2002	11/26/2002					
STRUC-1	3018	00030		Revised doc. for Pile Testing - ECN 001 Revisions for Specs 02473, Drwg S108, S109.	5/7/2002	NA			see 3037	A-5/15/02	Superceded by 3037
STRUC-1	3018	00032		Doc. Review by Lowney Accociate - ECN 001	5/20/2002	NA			see 3037	NA	Superceded by 3037

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STRUC-1	3018	00040		Revised documents for Pile Testing ECR 003 Spec 02472 Concrete-filled pipe piles Rev.1 S108, Pile Load Test Plan Rev 2 S109, Test Pile Sections and Details, Rev 1	6/20/2002	6/25/2002			see 3037		Superceded by 3037
STRUC-1	3018	00044		Revised Documents for Pile Testing - Drwg S108, Pile Load Test Plan, Rev.3	6/27/2002	7/19/2002		7/23/2002	see 3037	7/23/2002	Superceded by 3037
STRUC-1	3018	00059		Revisions - Pile Test Program (ECR No. 004) Revisions to pile test program base on the test results obtained to date	8/6/2002	8/27/2002			see 3037	A-9/26/02	Superceded by 3037
STRUC-1	3019	00033		Specifications: 01410, Testing Laboratory Services Rev 0 05120, Structural Steel, Rev. 0 13121 Pre-Engineered Buildings, Rev 0	5/24/2002	6/14/2002				A-6/14//02	
STRUC-1	3020	00034		Drawings and Calculations STG Platform Piles 02484-001-06-028 STG Foundation Rev. 0 S120 STG Pile Plan, Rev. C					see00066 10/7/02	6/24/2002	**Approved but it was resubmitted as 3028**
STRUC-1	3020	00035		Steam Turbine Generator Platform Calcs	Void	Void				Void	
STRUC-1	3020	00066		Steam Turbine Platform Calcs 0284-001-06-029 Rev 0 S701, S705, S706, S750, S751, S752, S765, S766, S775, S776, S800, S805, S810, S830 Rev. C	8/30/2002	9/23/2002				10/8/02will resubmitt	10/4 to City of Industry
STRUC-1	3020	00087		Drawings & Calculations for Steam Turbine Platform Drwgs S701 Rev 0 dated 10/21/02, S701, S705, S706 Rev 1, S707, S708 Rev 0, S750, S751, S752, S765, S766, S775, S776, S800, S805, S810 Rev 1, S811, S812, S813 Rev 0, S830 Rev 1, S831, S832, S835, S836, S837 Rev 0 dated 10/25/02	10/28/2002	11/18/2002					Please note that a notice has been placed on portions of drawings S701, S705, S776, S810 & S812. Sent to JL on 11/6/02
STRUC-1	3021	00036	H.K./J.L.	Siemens Westinghouse Documents - Design and Load Calculations for Gland Seal Steam Skid W501F Turbine Enclosure Structure-CT Pipe Rack Structure-Design and Load Calculations for Leakoff Steam DS Skid-Condenser Foundation Arrangement oand Foot Loads-Design and Load Calcs for ST Lube Oil Module-Struc Engin. Calcs Combustion Turbine Support Loads	6/27/2002	7/10/2002				N-7/10/02	

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STRUC-1	3021	00049	H. Kosten	Siemens Westinghouse Documents 000-000-125-742 Calcs and Fogger Skid Anchorage 000-000-125-740 Found. Loads and Anchoring/Steam Turbine Seismic Loads 000-000-125-714 Struc Calcs & Drwgs	7/9/2002						Sent to JL (Industry 10/4)
STRUC-1	3021	00093		Design Calculations for Vacuum Pump Skid from Main Steam Condenser SC 26787-CBO	11/7/2002	N/A					
STRUC-1	3022	00037		Drawings for roadways C040 Road Geometry Plan Rev. 0 C043 Typical Road Cross Section Rev. 0 C045 PG&E All-Terrain Vehicle Access Partial Plan Rev.(	6/13/2002	6/27/2002		7/10/2002		N-7/1/02	
STRUC-1	3022	00056		Drawings for Roadways - Burns & Roe Response to Willdan Comments 7/1/02	8/2/2002	8/22/2002				C-10/3/02	Tech Specs Section (Earthwork) should be refered to for all compaction requirements
STRUC-1	3022	00062		Drawings for Roadways C040 Road Geometry Plan Rev. 2 C043 Typical Road Cross Sections Rev. 2 C045 PG&E All Terrain Vehicle Access Rev.	8/21/2002	9/12/2002				A-10/9/02	
STRUC-1	3023	00038	GJ	Drawings & Calculation STG Platform found S120 Steam Turbine Pile Plan Rev. 1 S125 Steam Turbine Foundation Plan Rev. 0 S135 Steam Turbine Pile Cap Details Rev. 0 S190 Steam Turbine Section & Details Rev. 0 S191 Steam Turbine Section & Details Rev. 0 S192 Steam Turbine Anchor Bolt Schedule Rev. 0 S193Steam Turbine Enlarged Found. Plan Rev. 0	6/19/2002	7/11/2002		7/23/2002	see 00061	7/23/2002	
STRUC-1	3023	00061	GJ	Burns & Roe Response to comments from Willdan on Platform Foundation Design and Calcs 02484.001-06-028 Rev 2, S125 and S190 Rev. 1	8/15/2002	9/15/2002					
STRUC-1	3023	00065	GJ	Calcs 024-001-06-030 Rev 0 Excitation Housing Access Stairs & Platform Drwg S720 Exciter Access Platforms Plan Section & Details Rev. 0	8/29/2002	9/20/2002			See 00038		
STRUC-1	3023	00088	EM/GJ 11/06/02	Dwgs and Calculations for STG Platform Foundations Dwgs S120, S125 & S190 Rev2 Dated 10/28/02, dwgsS135, S191 & S192 Rev1 dated 10/28	10/28/2002	11/18/2002					calcs only to GJ on 11/6/02
STRUC-1	3023	00096	EM/GJ 11/06/02	STG Platform Foundation Plan Rev.1 dated 11/01/02	11/5/2002	11/26/2002					

Status Code

Approved

Accepted as for information only

Not approved, returned with comments.

Approval Conditioned upon submittal of addt. Info.or replacement

P Approved upon sign-off by Engineer, Inspector or Geotech, or other Third Party indicated by CB

D Discussion pending between CBO, Engineer, Geotech, Inspector or other par

H On hold by Mortenson/Calpine

R Reversal of approval pending resolutions from outside agencies.

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/B&R AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Plan Checker	Package Title	Review /Approval Dates						Comments
					Issued	Response Due	Response Forecast	Response Received	Resubmit	Status	
STRUC-1	3024	00039		Hillier/Gieger Docs - Visual Screen Foundation Design Loads - Calculations and Drwg SS-1A, Foundation Load Plan	6/20/2002	7/12/2002		7/23/2002	See 00068	N-7/23/02	
STRUC-1	3024	00058		Hillier-Anchoring Detail Calculations and Dwgs SS1 to SS	8/2/2002	8/23/2002					Need comments back, more detai
STRUC-1	3024	00068		Burns & Roe Response to Geiger Engineers and Willdan Hillier Foundation Load Plan drwg SS1-A	9/6/2002				resp to 00039 & 00068		
STRUC-1	3025	00041		Specifications 02740.3200 (Aggregate Base Coase Asphalt, pving, concrete reinforcement	6/24/2002	7/16/2002				A-7/23/02	Will resubmit 2 copies
STRUC-1	3026	00042	J.Lee 10/4/02	Pile Submitals-MORT.01-00-0002 Pile Driving Hammer MORT.01-00-0003-Pile Driving Crane Data Sheet MORT.01-00-0004-Pile Driving Analyzer Data Sheet MORT.01-00-0005-Ground Vibration Equipment Data MORT.01-00-0006-Noise Monitoring Plan MORT.01-00-0009-Pile Lateral Load Procedure MORT.01-00-0010-Pile Compression Load Test Proc. MORT.01-00-0011-Pile Tension Load Test Proc	6/26/2002	NA					Sent to JL (Industry 10/4)
STRUC-1	3027	00043		Cooling Tower calcs Rev. (	6/27/2002	7/22/2002		7/23/2002		N-7/23/02	
STRUC-1	3027	00060		Cooling Tower foundation - Burns & Roe response to 00043 Calculations 02484-001-06-010 Rev 1 and drawings S350, S351, S352, S355, S356, S357 AND S363 Rev 1	8/12/2002	9/4/2002	10/10/2002		see CBO 00076	10/10/2002 superceded	
STRUC-1	3027	00076		Dwgs & Calc. Cooling tower Basin redesign to pile capacity Calcs 02484-001-06-010 Rev 2 S350, S351, S352, S355, S356, & S363 Rev 2 dated 9/24/02	10/9/2002					C-10/15/02	Conditionally approved by Don Wimberly Approved Disposition dated 10/22/02
STRUC-1	3027	00094	TEM 11/6/02 CJ 11/8/02	Cooling Tower Area Pile Foundations Water Pump Pit Foundcalcs 02484-001-06-011 Rev. 0 Circ Wate Pump Pit Found. Calcs 02484-001-06-011 Rev. 0 Cooling Tower Pile drwgs # S350, S351, S352 Rev. 3 dated 11/01/02	11/4/2002						Shipped to EM on 11/6/02
STRUC-1	3027	000101		Drawings for Cooling Tower Pump Structure & Foundations S360, S361, S364, S365, S366, S367, S368 Rev 0 dated 11/01/02 Calcs 02484-001-06-011	11/7/2002	11/29/2002					Calcs for this job are found on CBO #00094
STRUC-1	3028	00045		Drawings, Calculations - ST/Generator Pedestal	6/27/2002	7/22/2002		7/23/2002	Supercedes 3020- 0003	N-7/23/02	
STRUC-1	3028	00081		Piling Drawings & Calculations STG Pedestal Foundation	10/3/2002	10/10/2002				A-10/28/02	
STRUC-1	3028	00098		STG Pedestal Access Platform Calcs No. 02484-001-06-033 STG Pedestal Access Platform S715 Rev 0 dated 11/01/0	11/7/2002	11/27/2002					
STRUC-1	3029	00047		Comb. Turbine Generator-S206clo Units 1 & 2 Rev 1	7/22/2002	7/25/2002				C-9/30/02 Verbal	Disposition dated 10/9/02
STRUC-1	3030	00052		Drawing S108, Rev 4	7/23/2002	8/12/2002				A-9/30/02	

Status Code

Approved
Accepted as for Information onl
Not approved, returned with comments
Approval Conditioned upon submittal of addt. Info.or replacemei

P Approved upon sign-off by Engineer, Inspector or Geotech, or other Third Party indicated by CB
D Discussion pending between CBO, Engineer, Geotech, Inspector or other par
H On hold by Mortenson/Calpine
R Reversal of approval pending resolutions from outside agencie

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/B&R AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Plan Checker	Package Title	Review /Approval Dates						Comments
					Issued	Response Due	Response Forecast	Response Received	Resubmit	Status	
STRUC-1	3031	000053		Spec 02885 Precast Concrete Electrical Manholes Rev 0 02315 Earthwork Rev 0	7/26/2002	8/16/2002				C-10/9/02	
STRUC-1	3031	00079	EM	Earthwork Spec 02315 Rev 1 dated 9/25 Chain Link Fences and Gates Spec 02821 Rev.0 dated 9/2	9/30/2002	10/17/2002					Being reviewed by Eric Moran
STRUC-1	3032	00055		Revised Plan for STG Pedestal-Burns and Roe Response to Willdan of 7/24/02	8/1/2002	8/22/2002			Supercedes 3028 & 3020	A-10/28/02	
STRUC-1	3035	00085		Siemens ST Generator Enclosure	10/15/2002	11/4/2002					
STRUC-1	3036	00070		CTG Inlet Air Filter & Silence foundation Calcs 02484-001-06-027 Rev 0 Drawing S220 Rev 0	9/17/2002	10/1/2002					
STRUC-1	3036	00075		Drawings & calculations sound Barrier CTG inlet Calcs 02484-001-06-031 Rev. 0 dated 9/19 Drwg S768 Units 1&2 Rev0 and S769 Units 1&2 Rev	9/25/2002	10/18/2002					
STRUC-1	3037	00072		Pile Load Testing - Lowney's conclusions and Recommendations and the following documents: Pile driving records (for all 27 piles)-PDA results (for all 27 piles)-CAPWAP results (for 24 blows on 14 separate piles)-Pile load test results	9/19/2002	NA			Supercedes 3018	A-10/22/02	replaces all of 3018 per transmittal records this submittal is part of 3017 CBO 00073
STRUC-1	3038	00077	E. Segura	Electrical Conceptual Power Distribution Centers (PDC's)-Drwgs E900 Layout Rev.1, E902 CTG Unit 1, Rev.1, E903 CTG Unit 2, Rev. 1, E904 HRSG Unit 1 Rev. 1, E905 HRSG Unit 2 Rev. 1, E906 Cooling Tower Un 1-Rev. 1, E907 Water Treatment Area Rev. 9, E914 Non Seg Bus Layou Rev. 0 dated 9/24/02	9/25/2002	10/9/2002					
STRUC-1	3039	00078	E. Moran	Boiler Feedwater Pump Foundation - Calc 02484-001-06-016 Drawing S320 Rev.0, Section and Details S321 Rev.	9/27/2002					A-10/31/02	
STRUC-1	3040	00082		Drawing S110 Rev1 & Design Criteria Rev	10/3/2002	10/24/2002					
STRUC-1	3041	00090	J Lee	Support Frame - Dwg S730 Rev. 0	10/30/2002	11/21/2002					The calcs for the support frame shown on this drwg have been included in Calc 02484-001-06-028, with transmittal CBO #00088 dated 10/28/02
STRUC-1	3042	00092		Calcs 02484-001-06-022 Pipe Rack Steel Design, Rev 0 Drwgs S900, S901, S902, S903, S904, S905, S906, S930, S931, S932, S940, S941, S942, S943, S944, S945, S950, S951, S952, S953, S954, S955, S956, S958, S959, S965 Rev 0 dated 10/31/0	10/31/2002	11/22/2002					
STRUC-1	3044	00097		STG Main Step-up Transformer Foundation Calcs 02484-001-06-008 Unite #3 dated 11/01/02- Drwgs S567, S570, S577, S578 dated 11/01/02	11/7/2002	11/27/2002					
STRUC-1	3045	000100		Specs 02472 Concrete filled Pipe Piles, Rev. 2 dated 11/8/02	11/8/2002	11/29/2002					
STRUC-1	3046	000102		Drawing & Calculations for HRSG Unit 1 Calcs 02481-001-06-006 Mat Foundation for HRSG & Stack for Unit 1 Rev. 1 dated 11/07/02 - S300 HRSG Pile Location Plan, Unit 1 Rev 1 Dated 11/07/0	11/7/2002	11/29/2002					

Status Code
Approved
Accepted as for Information onl
Not approved, returned with comments
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R Reversal of approval pending resolutions from outside agencie

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/B&R AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Plan Checker	Package Title	Review /Approval Dates						Comments
					Issued	Response Due	Response Forecast	Response Received	Resubmit	Status	
MECH-1	4002	00080		P&ID Aqueous Ammonia Storage Drwgs MT-P-2015-AST-001 Rev.1, MT-P-2079-SSW-001 REV. 1, MT-P-2080-SWS-001 REV.2, MT-P2081-SWS 002 REV.2, MT-P-2052-FWS-001 REV 2, MT-P-2053-FWS-002 REV 2, MT-P-2003-GEN-003 REV.0, MT-P-2004-GEN-004 REV.0, MT-P-2005-GEN-005 REV.0, MT-P-2006-GEN-006 REV.0	10/1/2002	10/22/2002					
MECH-1	4002	00086		P&ID Drawings- MT-P-2084-WWC-001- 1 of 4 MT-P-2085-WWC-002- 2 of 4, MT-P-2086-WWC-003- 3 of 4, MT-P-2087-WWC-004- 4 of 4 Rev 1 dated 10/17/02 MT-P-2042-CWS-001- 1 of 3 Rev. 2 MT-P-2046-FGS-001- 1 of 6, MT-P-2047-FGS-002- 2 of 6 MT-P-2046-FGS-003- 3 of 6, MT-P-2047-FGS-004- 4 of 6 MT-P-2046-FGS-005- 5 of 6, MT-P-2047-FGS-006- 6 of 6 Rev 1 and M203 Sheet 1, Rev 0 all above drwgs dated 10/17/02	10/21/2002	11/11/2002					

Status Code

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WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Plan Checker	Package Title	Review /Approval Dates						Comments
					Issued	Response Due	Response Forecast	Response Received	Resubmit	Status	
ELEC-1	5001	00050		Electrical Grounding Drawings & Calculations E201, E203, E205, E207, E208, E209, E210, E212, E213, E215, E216, 2484-01-07-006 Rev. 1	7/18/2002	8/8/2002				A-10/22/02	
ELEC-1	5001	00067	E. Segura	Underground Ground Cable Sizing Calcs 02484-01-07-011 Rev 0 Above Ground Cable Sizing Calcs 02484-01-07-012 Rev.	8/30/2002	9/23/2002					
ELEC-1	5002	00057	E. Segura	Electrical One-Line Drawings E101, E102, E103, E104, E105, E106, E107, E108, E109, E110, E111, E113, E114, E120, E121, E122, E123, E124, E125 REV 0	8/2/2002	8/23/2002	10/15/2002			C-10/17/02	
ELEC-1	5003	00074	E. Segura	Conditions of Certifications - Electrical Drawing-Underground conduits E354, Rev 0 dated 5/31 E300, E316, E319, E322, E323, E324, E326, Rev. 1 6/28 E371-, E376, E377,E378, E379, E381, E382, E383, E384, E385, E386 Rev 0 dated 7/17 E301, E302, E303, E304, E305, E306, E307, E308, E310, E311, E312, E313, E315, E317, E329, E330, E331, E332, E333, E335, E337, E341, E342, E343, Rev. 0 dated 8/23 E350, E351, E352, E353, E360, E362, E363, E364, E370,E374, E375 Rev. 1 dated 8/23 E314, E320, E327, E328, E370, Rev 2, dated 8/2:	9/20/2002	NA					
ELEC-1	5004	00099		Calcs 02484-001-07-002 Load Flow and Voltage Drop, Rev. 0 date 10/30/02 Calcs 02484-001-07-003 short Circuit, Rev. 0 dated 10/29/02	11/8/2002	11/29/2002					

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R Reversal of approval pending resolutions from outside agencie

CR0000702

WILLDAN
Serving Public Agencies

1430 Koll Circle, Suite 103
San Jose, CA 95112
Ph: (408) 392-9213 Fax: (408) 392-9214

Disposition

RECEIVED
OCT 15 2002
M. A. Mortenson
Metcalf Energy Center

Date:	October 9, 2002
TO:	Kevin Deters/Mortenson Jim Ferrara/BRE Kristen Sipes/Calpine
CEC Docket No.:	99-AFC-3C
CBO Project No.:	MEC 13254
CBO Condition:	STRUCT-1/3029 CBO # 00047
Subject:	Drawing for Combustion Turbine Generator Foundation

In accordance with the above referenced CEC docket No. (99-AFC-3C) the CBO has reviewed the documentation provided. This letter serves as the disposition by the CBO.

APPROVED (Conditioned upon the following notes)

1. Clarify 10.A @ 20 blows per foot with no piles used for unit #2.

Revisions and/or replacement sheets for this package shall be submitted in 4 fold to CBO. Upon approval of the package, or revisions CBO shall return one (1) updated package/set, ***Stamped Approved***, including a new disposition.

Should you have any questions please do not hesitate to contact Ralph Sellers or myself at (408) 392-9213.

Regards,

Hans Kosten
Deputy CBO

cc: D. Wimberly, R. Sellers, E. Segura, Willdan/AIMS
E. Moran, Willdan
File

CR00007060

WILLDAN
Serving Public Agencies

1430 Koll Circle, Suite 103
San Jose, CA 95112
Ph: (408) 392-9213 Fax: (408) 392-9214

Disposition

Date: October 9, 2002

TO: Kevin Deters/Mortenson
Jim Ferrara/BRE
Kristen Sipes/Calpine

RECEIVED
OCT 15 2002
M. A. Mortenson
Metcalf Energy Center

CEC Docket No.: 99-AFC-3C

CBO Project No.: MEC 13254

CBO Condition: STRUCT-1/3031 CBO # 00053

Subject: Specification 02315, Earthwork, Rev. 0, dated 7/25/02
Specification 02585, Precast Concrete Electrical Manholes, Rev. 0, dated 7/25/02

In accordance with the above referenced CEC docket No. (99-AFC-3C) the CBO has reviewed the documentation provided. This letter serves as the disposition by the CBO.

APPROVED (Conditioned upon the following notes)

1. Marking should be provided on all concrete manholes.
   a. All concrete parts should be permanently identified as to manufacturer on the inside and outside surface.
   b. All concrete parts should have the weight stenciled on the outside surface.
2. All bodies and extensions of any one manufacturer shall be fully interchangeable with the bodies and extension of all other manufacturers.
3. Concrete covers should have an approved high coefficient of friction (0.65 or better), slip-resistant surface.
4. When setting concrete manholes in place, use spacers to adjust the manholes to grade. Place grout in between body and top section as required around duct entrances. Do not pave over cover of manholes.
5. Swedge reducers are necessary with conduit smaller than the terminators supplied.
6. Mastic sealant should be provided by the supplier for all concrete-to-concrete joints.

Revisions and/or replacement sheets for this package shall be submitted in 4 fold to CBO. Upon approval of the package, or revisions CBO shall return one (1) updated package/set, ***Stamped Approved***, including a new disposition.

Should you have any questions please do not hesitate to contact Ralph. Sellers or myself at (408) 392-9213.

Regards,

Hans Kosten
Deputy CBO

cc: D. Wimberly, R. Sellers, E. Segura, Willdan/AIMS
E. Moran, Willdan
File

CR0000704

WILLDAN
Serving Public Agencies

1430 Koll Circle, Suite 103
San Jose, CA 95112
Ph: (408) 392-9213 Fax: (408) 392-9214

Disposition

FIELD CHANGE REQUEST

Date: October 9, 2002

TO: Kevin Deters/Mortenson
Jim Ferrara/BRE
Kristen Sipes/Calpine

RECEIVED
OCT 15 2002
M. A. Mortenson
Metcalf Energy Center

CEC Docket: (99-AFC-3C)

CBO Project No.: MEC 13254

CBO Condition No.: CIVIL-1

Subject: FCR 008 Storm Water Basin Headwall I

In accordance with the above referenced CEC docket No. (99-AFC-3C) the CBO has reviewed the documentation provided. This letter serves as the disposition by the CBO.

FCR 0008 has been APPROVED with comments

1. Engineer of record accepts FCR

Revisions and/or replacement sheets for this package shall be submitted in 4 fold to CBO. Upon approval of the package, or revisions CBO shall return one (1) updated package/set, ***Stamped Approved***, including a new disposition.

Should you have any questions please do not hesitate to contact Ralph Sellers or myself at (408) 392-9213.

Regards,

Hans Kosten
Deputy CBO

cc: D. Wimberly, R. Sellers, E. Segura, Willdan/AIMS
E. Moran, Willdan
File

Metcalf Energy Center San Jose, CA

Submittal Number: 00121 :02630-SA-001
Date Sent: 9/23/02

Metcalf Energy Center

Submittal/Transmittal Cover Sheet

TO: Burns & Roe
2000 Crawford Place
Suite 600
Mt. Laurel, NJ 08054
Attention: Jim D. Ferrara

FROM: M. A. Mortenson Company
700 Meadow Lane North
Minneapolis, MN 55422

Check One:
☑ New Submittal
☐ Re-Submittal

Description / Remarks	Spec Section	Paragraph	Drawing No.	Drwg Date	Sepias	Prints
Storm Water Basin Headwall Detail	02630				0	1
Storm Water Basin Headwall Detail						

Remarks:

See attached Field Sketch FSK-008

APPROVED
WILLDAN DATE: 10/25/02
DELEGATE CHIEF BUILDING OFFICIAL FOR THE CALIFORNIA ENERGY COMMISSION

REVIEWER CODES: APP - APPROVED, AAN - APPROVED AS NOTED, NAP - NOT APPROVED, RR - REVISE and RESUBMIT, REJ - REJECTED

The undersigned, acting on behalf of the contractor, certifies that this submittal has been reviewed and that deviations from the Contract Documents have been highlighted. This review does not in any way relieve the tradecontractor, sub-tradecontractor, and/or supplier of their responsiblity to verify accuracy of details, quantities and dimensions.

Kevin J. Deters
M. A. Mortenson Company

To be Filled Out by Reviewer:

Circle Status Code (See Above): APP AAN NAP RR REJ

Date

Burns & Roe

Date

5/99 FTR0

Metcalf Energy Center San Jose, CA

700 Meadow Lane North

Minneapolis, MN 55422
Telephone: 763-522-2100
Facsimile: 763-287-5659
www.mortenson.com
LETTER # - 00210

September 23, 2002

Hans Kosten
Willdan
1430 Koll Circle, Suite 103
San Jose, CA 95112-4608

RE: Metcalf Energy Center
Issue No. 02-157: Strom Water Basin Headwall I FCR-008
M.A. Mortenson Company Job No. 018818

Dear Mr. Kosten:

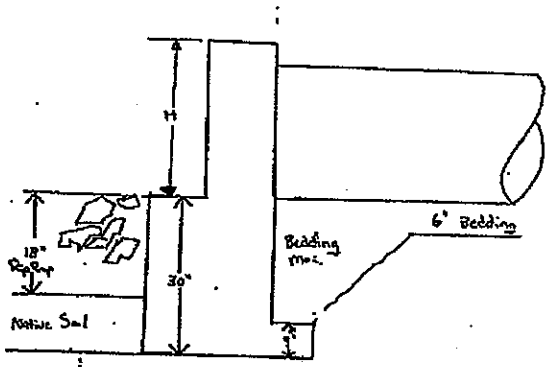
We are requesting a change in Type A-1 headwall detail. Revision one (1) of Bechtel's drawing 0-CG-0090-00004 currently show Type A-1 headwall detail with Riprap material to be installed underneath the headwall. The "Field" would like to change the Type A-1 detail to show the headwall to extend at minimum 12 inches below the Riprap material (See attached Field Sketch FSK-008). Thus eliminating the possibility of bedding material erosion.

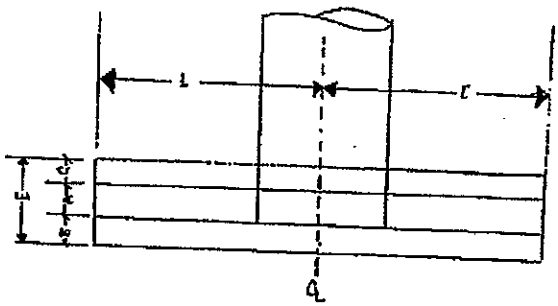
Should you have any questions, please do not hesitate to contact us.

Sincerely,

Kevin J. Deters
Asst Construction Mgr

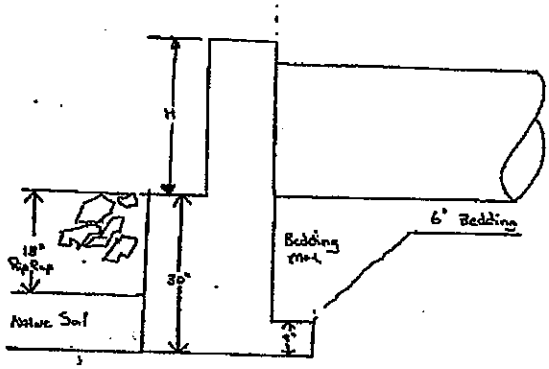
APPROVED
WILLDAN DATE 10/9/02
BY:
DELEGATE CHIEF BUILDING OFFICIAL FOR
THE CALIFORNIA ENERGY COMMISSION

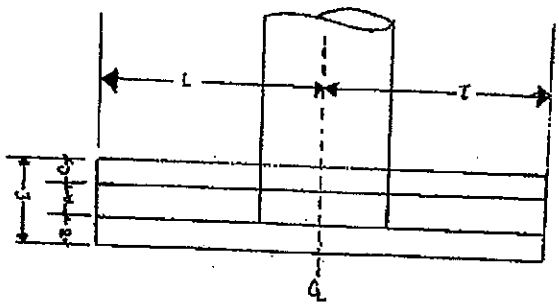




Pipe Dia.	A	B	C	E	H	L
18"	9"	6"	6'	1'-9"	2'-3"	9'-6"
24"	9"	14"	6"	2'-5"	2'-9"	5'-9"
30"	9"	19"	6"	2'-6"	3'-6"	7'-1"

APPROVED
WILLDAN DATE: 6/10/02
BY:
DELEGATE CHIEF BUILDING OFFICIAL FOR
THE CALIFORNIA ENERGY COMMISSION





Pipe Dia.	A	B	C	E	H	L
18"	9"	6"	6"	1'-9"	2'-3"	4'-6"
24"	9"	14"	6"	2'-6"	2'-9"	5'-9"
30"	9"	19"	6"	2'-6"	3'-6"	7'-1"

APPROVED
WILLDAN DATE: 6/10/02
BY:
DELEGATE CHIEF BUILDING OFFICIAL FOR
THE CALIFORNIA ENERGY COMMISSION

WILLDAN
Serving Public Agencies

1430 Koll Circle, Suite 103
San Jose, CA 95112
Ph: (408) 392-9213 Fax: (408) 392-9214

Disposition

Date: October 9, 2002 CBO #: 00057

TO: Kevin Deters/Mortenson
Jim Ferrara/BRE
Kristen Sipes/Calpine

CEC Docket No.: (99-AFC-3C)

CBO Project No.: MEC 13254

CBO Condition: ELEC-1/5002

Subject: Electrical Symbols Drwg. E101, E102, E103
Electrical One-Line Diagrams Drawings E105, E106, E107, E108, E109, E110, E111, E113, E114, E120, E121, E122, E123, E124 & E125

In accordance with the above referenced CEC docket No. (99-AFC-3C) the CBO has reviewed the documentation provided. This letter serves as the disposition by the CBO.

Not APPROVED see attached comments

Revisions and/or replacement sheets for this package shall be submitted in 4 fold to CBO. Upon approval of the package, or revisions CBO shall return one (1) updated package/set, ***Stamped Approved***, including a new disposition.

Should you have any questions please do not hesitate to contact Elias Segura or myself at (408) 392-9213.

Regards,

Hans Kosten
Deputy CBO

cc: D. Wimberly, R. Sellers, E. Segura, Willdan/AIMS
E. Moran, Willdan
File

CR00000703

WILLDAN
Serving Public Agencies

1430 Koll Circle, Suite 103
San Jose, CA 95112
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RECEIVED
OCT 15 2002
M. A. Mortenson
Metcalf Energy Center

Date: October 15, 2002

TO: Kevin Deters, P.E., Mortenson
Jim Ferrara, P.E., BRE

CEC Docket No.: 99-AFC-3C

CBO Project No.: MEC 13254

CBO Condition: STRUCT-1/3027 CBO # 00076

Subject: Cooling Tower Foundation – Conditional Approval for Commencement of Construction

Per my comments during the October 15, 2002 MEC CBO conference call, this letter confirms my approval for Calpine/Mortensen to commence production piling for the cooling tower on Monday, October 21, 2002. This approval is granted on the basis of the following:

1. The completion of the test pile program, and review of results thereof by BRE and Lowney Associates, and the subsequent issuance of revised pile system design documents.
2. Approval by Willdan of new pile loading criteria.
3. The review and 10/9/02 approval of revised engineering for the cooling tower foundation, to the extent of the documents submitted as STRUCT-1 3027-00076.

My approval is also conditioned upon Mortenson-Calpine's provision and/or confirmation of the following:

1. The name of the CBO-approved responsible design civil or structural engineer for this segment of the work, including any person that will provide field oversight for the construction of the work (GEN-5; Protocol C, and STRUC-1, 2, and 3), and any engineering protocols for the construction phase required by the responsible design engineer.
2. The name of the geotechnical engineer and/or his representative(s) that will observe the construction (GEN-5; Protocol B), and any engineering protocols for the construction phase required by the responsible geotechnical engineer.
3. Signed and stamped job copies of the final engineering plans and technical specifications for the work (at least one copy for the contractor and one for the CBO).
4. A letter from the geotechnical engineer confirming his review and concurrence with final foundation plans and specifications.
5. Documentation of the contractor and/or owner's quality control (QC) program for this work including names of QC personnel and methods of QC (STRUC-1).
6. Provision or confirmation of names and certifications for all special inspection personnel and or companies and their assignments per CBC Chapter 17 or other applicable codes to include:
   a. Pile welding (Inspector certificates required)
   b. Pile reinforcing steel (Inspector certificates required)
   c. Pile concrete sampling, testing
7. Specification for code-required special and third party inspections as required.
8. Confirmation of document management and records retention procedures for materials certifications, special inspection reports, RFI's, DCN's, and FCN's.

It is our intention to meet with Mortenson-Calpine prior to 10/21/02 to review the above items.

If you have any questions, please contact me at (408) 392-9213.

Sincerely,

Donald C. Wimberly, P.E.
Chief Building Official

cc: H. Kosten, Willdan/AIMS
R. Sellers Willdan/AIMS
Jim Kimura, P.E., Calpine
Kristen O'Kane, Calpine
File

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COMMENTS

Date: October 17, 2002 CBO #: 00057
TO: Kevin Deters/Mortenson
Jim Ferrara/BRE
Kristen Sipes/Calpine
CEC Docket No.: (99-AFC-3C)
CBO Project No.: MEC 13254
CBO Condition: ELEC-1/5002
Subject: Electrical Symbols Drwg. E101, E102, E103
Electrical One-Line Diagrams Drawings E105, E106, E107, E108, E109, E110, E111, E113, E114, E120, E121, E122, E123, E124 & E125

E101:

1. Distinguish polarity for current transformer. Show dots.
2. Show Delta/Wye symbols on power transformer.
3. Add draw-out circuit breaker symbols.
4. Coordinate lightning Arrester symbols with the single lines. Shown white dot on E106 & E107.

E102:

1. Add the following abbreviations:
   a. KW – kilowatt
   b. KV - kilovolt
   c. KVA – kilovolt ampere
   d. MCM – Circular Mills, Thousands
   e. MVA – mega-volt-amperes
   f. MH – manhole
   g. JB – junction box
   h. HZ – hertz
   i. HOA – hand-off-auto
   j. TEL - Telephone
   k. BKR – breaker
   l. AUX – auxiliary
   m. HTR – heater
   n. PB - pushbutton
   o. OL - overload
   p. PF – power factor
   q. GND – ground
   r. RMS – root means square
   s. SYMM - symmetrical

Date: October 17, 2002 CBO #: 00057
TO: Kevin Deters/Mortenson
Jim Ferrara/BRE
Kristen Sipes/Calpine
CEC Docket No.: (99-AFC-3C)
CBO Project No.: MEC 13254
CBO Condition: ELEC-1/5002

E103:

1. Add mechanical bolted connection symbols.
2. Add Exothermic to ground connection symbols (to differentiate from bolted connections).
3. Show Fire Alarm Symbols.
   a. Warning Horns
   b. Fire Alarm Station
   c. Fire Alarm Bell
   d. Smoke Detector
4. Add Bus Duct Symbols.