CONDITION OF CERTIFICATION BIO-2

SUMMARY OF BIOLOGICAL MONITORING

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

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CH2MHILL

August 11, 2004

171309.TM.BM

Mark Smolley
Metcalf Energy Center
1 Blanchard Road
P.O. Box 13190
San Jose, CA 95013

Subject: July 2004 Monthly Compliance Report for the Metcalf Energy Center Biological Resources Mitigation Monitoring

Dear Mark:

Please find attached the Biological Resources Mitigation Monitoring monthly compliance report for July 2004. The July report addresses our monitoring and consulting activities regarding biological resources from July 1, 2004 through July 31, 2004.

Please call me at (916) 286-0385 if you have any questions.

Sincerely,

CH2M HILL

Debra J Crowe

Debra Crowe, Designated Biologist

Enclosures

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METCALF ENERGY CENTER

BIOLOGICAL MITIGATION MONITORING

MONTHLY PROGRESS REPORT
July 2004

ACTIVITIES THIS MONTH

Task 1: Project Management and Coordinate Compliance Activities with CEC and Agencies (BIO-2)

- Project Management, contracts, and invoicing.
- Prepared June 2004 Biological Compliance Report.
- Consulted with Biological Monitor for ongoing construction activities.
- Coordinated and prepared on site enhancement plans with the CEC staff biologist for nesting birds in the MEC project area. Draft plans include construction of nesting boxes for wood ducks and songbirds, recruitment of local volunteer help, and potential seeding of bird forage plants.

Task 2: Worker Environmental Awareness Training (BIO-6)

- The Calpine Site Safety Officer delivered the training program for 244 onsite personnel (a total of 1800 Calpine employees and/or contractors were trained through July 31, 2004).

Task 3: On-site Compliance Monitoring (BIO-2, FW-1 & 5)

- Monitored main site construction as required.
- Monitored HDD and jack and bore full time in sensitive biological resource areas (Coyote Creek and riparian corridor) along gas pipeline.
- Remained on-call throughout the month.

Task 4: Monitoring Riparian Corridor Enhancement (BIO-2 and BIO-5)

- None this month, although observations were made of burned trees in planting area.

Task 5: Potential Out-of-Scopes

- None this month.

OUT OF SCOPE EFFORTS

Out-of-scope efforts are being tracked separately under Task 5 and for potential Purchase Order Modifications in the future. Potential out-of-scope costs were not incurred in July and none were charged. Each monthly invoice identifies the out-of-scope efforts for that month as well as the status of the overall budget. When necessary, out-of-scope activities will be invoiced separately. Each invoice will be accompanied with a separate progress report, when appropriate. Separate purchase orders will be submitted at the end of the year only if the out-of-scope costs exceed the total Time and Materials contract amount for the 2004 mitigation monitoring.

METCALF ENERGY CENTER

MONTHLY COMPLIANCE REPORT

July 2004

METCALF ENERGY CENTER
BIOLOGICAL MITIGATION MONITORING

Summary from Project Biologist, July 2004

July construction activities were in compliance with the CEC Conditions of Certification for biological resources. The biological monitoring was increased for the type and location of MEC construction activities in July. The monitoring focused on gas pipeline construction near Coyote Creek, including a horizontal directional drill and jack and bore under the creek and Coyote Canal. No frac-outs occurred during July and no impacts to Coyote Creek occurred. Two bird nests remain active on site and are marked for avoidance.

Biological Resources

Mitigation Monitoring for the

Metcalf Energy Center

MONTHLY COMPLIANCE REPORT #34

July 2004

Prepared by:

CH2M HILL

2485 Natomas Park Drive, Suite 600

Sacramento, California 95833

METCALF ENERGY CENTER

MONTHLY COMPLIANCE REPORT

July 2004

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INTRODUCTION

The Metcalf Energy Center (MEC) site is located in the Santa Clara Valley within the Urban Service Area of south San Jose. The MEC will be a 600-megawatt natural-gas-fired combined cycle power plant with the following features:

- A 230-kilovolt (kV) switchyard and approximately 240 feet of new 230-kV transmission line that will loop into the existing Pacific Gas and Electric (PG&E) 230-kV Metcalf-Monta Vista No. 4 transmission on Tulare Hill.
- An approximately 1 mile, 16-inch natural gas pipeline that will connect to an existing PG&E transmission backbone pipeline that runs along the eastern side of U.S. 101.
- An approximately 1000-foot recycled water pipeline from a tap into a new South Bay Water Recycling Program's (SBWR) pipeline for cooling water.
- An approximately 1.2-mile potable water pipeline will supply domestic and backup water supplies.
- A stormwater detention basin and discharge outfall structure to Fisher Creek.
- A new access road from Monterey Road at the Blanchard Road junction and visual screening and landscape corridor along the new access road that will require 6 acres of agricultural land south of the MEC site.
- A second access road (west access road) July extend from Santa Teresa Boulevard to the MEC site that will require 2.0 acres of agricultural land.
- Two temporary construction laydown yards totaling 24.8-acres are located in agricultural land south of the MEC site.

The project was designed to avoid significant adverse impacts to sensitive biological resources to the furthest extent feasible. Mitigation measures were developed through consultation with the U. S. Fish and Wildlife Service (USFWS), U. S. Army Corps of Engineers (Corps), National Marine Fisheries Service (NMFS), California Department of Fish and Game (CDFG), and the San Francisco Bay Regional Water Quality Control Board (Water Board) to minimize unavoidable project impacts. Permits and authorizations from these agencies included conditions that must be monitored by the Designated Biologist. The Biological Monitor will be available during all phases of construction to ensure compliance with the mitigation measures outlined in the *Biological Resources Mitigation Implementation and Monitoring Plan* (BRMIMP). The following report includes all MEC project activities monitored during July 2004.

MONITORED MITIGATION MEASURES

Mitigation measures were developed through consultation with USFWS, NMFS, CDFG, Water Board, Corps, and California Energy Commission (CEC) for the MEC project. Compliance with any conditions of the Corps, Water Board, and CDFG permits will be included when permits are received and used on the project.

Conditions of Certification (COC) BIO-1 through BIO-13 were in compliance during July 2004.

The following conditions described in the USFWS Biological Opinion (BO) remained pertinent to the July monitoring efforts:

- Garbage must be removed from the site.
- Activity must be limited to the minimum necessary.
- The boundaries of the site will be clearly marked.
- All equipment, personnel, and access shall be confined to designated work areas and connecting roadways.
- Refueling will occur at least 50 feet away from aquatic habitats.
- Weekly California red-legged frog surveys will be conducted in work areas.
- Bullfrogs found during amphibian surveys, including adult, subadult, and larval bullfrogs, shall be captured and killed.
- The Biological Monitor will inspect the erosion control features during rain events or other water releases.
- Concrete trucks must be washed within a designated area with a surrounding berm.

Conditions described in the NMFS BO and CDFG Streambed Alteration Agreement (SAA) #R3-2002-0552 became relevant this in July with the HDD installation of the gas line under Coyote Creek.

The Biological Monitor was available throughout the month to respond to biological issues as needed. July activities are described in the following section.

SUMMARY OF ACTIVITIES

This report includes project activities that took place during July 2004. Monitored project activities in July included: continued site construction; installation of the stormwater outfall; installation of the potable water pipelines; and installation of the natural gas pipeline. The following provides a description of these activities. A cumulative wildlife species list is included in Appendix A. Wildlife Observation forms are included in Appendix B. WEAT sign-in sheets are included in Appendix C. Relevant photographs are included in Appendix D. The Biological Monitor completes daily logs summarizing activities, personal interactions, and observations. These logs are available on request.

The Biological Monitor visited the site periodically as required to inspect all construction activities. Monitoring visits focused on ensuring that work complied with CEC biological COCs and to determine future monitoring needs. Main site construction activity was limited to previously disturbed areas and remained outside the Fisher Creek riparian corridor. The main site construction was monitored at a minimum of once a week.

Gas pipeline construction was limited to the HDD set up pads and 75-foot construction corridor along its length. Construction of the gas pipeline, including HDD, and stormwater outfall were monitored full time throughout construction activities.

Site Construction

July main site construction included ongoing excavation for and installation of underground utilities, and continued installation of concrete foundations. In addition, aboveground infrastructure installation included heat recovery steam generator components and other equipment. Many of these activities will continue during August 2004.

Underground Utilities

Excavation and installation of underground utilities on the main site continued in July. Water and gas conveyance pipes, and electrical conduit were installed and open excavations were back-filled with concrete and/or soil. All open trenches and excavations include wildlife escape ramps and exposed pipe and conduit ends are capped to prevent wildlife entry/entrapment. Utility installation will continue into August 2004.

Concrete Foundations

July activities included installation of concrete forms and rebar, and concrete pouring for heavy structure foundations and other load bearing equipment. All concrete mixer trucks were cleaned in the designated concrete washout prior to leaving the project site. Foundation work will continue into August 2004.

Aboveground Infrastructure

Equipment continued to be transported from the laydown yards to the main site, where it is being installed on completed foundations. This work will continue into August 2004.

This month, active bird nests were discovered in the equipment stored and installed in the north laydown yard and MEC main site. Construction personnel were informed and all

active native bird nests were avoided by project activities. Wildlife activity for the project is discussed in greater detail in the *General Notes and Observations* section.

Stormwater Outfall

The MEC site plan includes a stormwater conveyance system comprised of storm drains; a retention pond with an associated riprap swale; and a stormwater outfall. The completed system will divert stormwater from the MEC main site to Fisher Creek. The retention pond and riprap swale were previously installed, which did not involve work within the Fisher Creek bed and bank. The stormwater outfall structure is located near the southwest corner of the MEC site and was constructed within the east bank of Fisher Creek. Construction began on July 8, 2004 and was completed July 29, 2004.

Prior to the construction, the Biological Monitor performed a series of biological surveys as described in SAA #R3-2002-0552. Pre-construction surveys were performed for special-status plants, western pond turtle (*Clemmys marmorata*), California red-legged frog (*Rana aurora draytonii*), nesting raptors, and western burrowing owl (*Athene cunicularia hypugaea*). No special-status plants or wildlife was observed. The report describing these surveys and their findings is available upon request.

Primary construction within the creek banks was completed in one day, July 8th. An excavator and a front-end loader were used for excavation and installation of the corrugated outfall pipe within the levee separating the MEC stormwater collection basin from Fisher Creek. A riprap rock apron lined with geo-textile fabric was installed at the outfall spillway on the east bank of the creek. Backfilling and recontouring occurred that same day nearly completing the task. On July 29th, installation was completed with the pouring grout into the rock apron for erosion control. No in-water work occurred during outfall installation activities, all work was limited to the levee and bank above the water line.

Construction limits were defined by a silt fence, which was installed prior to the start of construction. Levee vegetation within the work area was cleared, including non-native grasses and forbs and one small willow tree (*Salix* spp.). The willow had a diameter at breast height (DBH) of approximately 4-inches and was located just above the water line within the outfall pipe alignment. As required by the CDFG SAA, this tree will be replaced at a 3:1 compensation. No other riparian vegetation was disturbed.

The Biological Monitor was onsite during July 8th activities and was on call during the July 29th grouting. No additional ground disturbance occurred during grouting, as work was confined to the established work area.

Potable Water Pipeline

The potable water pipeline extends from the MEC main site, south along the west side of the UPRR. The pipeline taps into an existing City of San Jose water well located north of Bailey Road. The approximately 1.2-mile pipeline will supply MEC with domestic and backup water supplies. Pipeline installation was completed in July. The tie-in with the City of San Jose waterline will likely occur during the upcoming months.

Natural Gas Pipeline

The gas pipeline extends east from the main site to an existing PG&E transmission backbone pipeline that runs along the eastern side of U.S. 101. The MEC gas pipeline is approximately 1-mile long and crosses several natural and constructed features, including the UPRR, Monterey Highway, the Coyote Creek riparian corridor, the Coyote Canal, and U.S. 101.

Pipeline construction was completed in July 2004 using open-cut trenching, jack and bore, and horizontal directional drill (HDD). The Biological Monitor inspected the open-cut trenching and jack and bore activities on a weekly basis but was fulltime during the HDD, as required by the SAA. The Monitor inspected the HDD alignment for frac-outs, paying particular attention to the area directly over the drilling tool. No frac-outs were observed in July. A third-party monitor, representing CDFG, was also onsite during the majority of the HDD.

With CDFG and third-party monitor approval, the HDD activities were extended to a 12 hours/day, 7 days/week schedule. The pilot bore was completed on July 3rd. The drilling rig was then replaced with a larger, more powerful machine for reaming and pipe pulling, which was completed on July 9th.

The open trenching, jack and bore, and HDD tie-in activities were all completed in July 2004. Temporary disturbed areas were back-filled and re-contoured to pre-existing conditions. Necessary revegetation will likely occur in August 2004 (certainly by October/November) with hydro-seeding.

Remaining work includes installation of above-ground infrastructure such as a meter station at Maleck Road, east of US 101, and a gas regulator near the MEC main site. These remaining activities will likely be completed in August 2004.

WORKER ENVIRONMENTAL AWARENESS TRAINING

The WEAT program was developed exclusively for the MEC project. Program materials include a handbook, video, and poster. As required by COC BIO-6 from the CEC *Commission Decision*, all new employees must attend the WEAT program.

One hundred and forty-four (144) personnel received WEAT training during July for a total of 1,700 employees trained at MEC. A Calpine Site Safety Officer administered the WEAT training to all new July employees. A list of July WEAT attendees is included in Appendix C. Signed affidavits are kept on file by Calpine's Environmental Compliance Manager.

GENERAL NOTES AND OBSERVATIONS

Breeding Bird Activity

Breeding bird activity continued to be a biological issue on the MEC site in July. Construction activities are typically considered a disturbance and a deterrent to most wildlife activity. However, for birds such as killdeer and others, construction sites with gravel and potential nest substrates (any stationary structure) can actually provide nesting opportunities for several species. MEC project personnel continued to be cooperative in notifying the Biological Monitor of wildlife observations, including bird nests and nesting activity.

Active house sparrow (*Passer domesticus*) and mourning dove (*Zenaida macroura*) nests were located in the construction area and north laydown yard during July. Both nests were initially discovered late June 2004. All native bird nests with eggs or young were identified for avoidance. The site policy is to avoid all active nests containing eggs or young. Active nest are marked with caution flagging and/or signage to prevent disturbance of the nest by project activities.

Throughout the month, the Biological Monitor removed several inactive nests from the south laydown yard and MEC main site, including house finch (*Carpodacus mexicanus*) and black phoebe (*Sayornis nigricans*). A single mourning dove egg was removed from a steel beam on the main site. The egg was likely dumped and abandoned and was not associated with nesting material. Wildlife observation forms documenting these observations are included in Appendix A.

Other Observations and Notes

Calpine personnel continued to perform periodic SWPPP compliance inspections of project BMPs. The Biological Monitor will continue to aid the Environmental Compliance Manager in site preparation for rain events and ensure installed BMPs are in good repair and are functioning properly.

New wildlife activity occurred within MEC project areas, including observation of, large mouth bass (*Micropterus salmoides*), sun fish (*Lepomis* spp), and carp (*Cyprinus carpio*), and barn owl (*Tyto alba*). A cumulative wildlife species list of all project areas is included in Appendix A.

On July 20th, a gopher snake (*Pituophis melanoleucus*) was moved from the MEC main site to the Fisher Creek Riparian corridor. The snake was observed by the Environmental Compliance Manager near the cooling towers foundation and was in danger from nearby construction traffic. The on-call Biological Monitor directed the Environmental Compliance Manager to move the snake (Appendix B). On July 26th, the Biological Monitor moved another gopher snake from the MEC main site to the riparian corridor(Appendix B).

A wildfire in May 2004 damaged the irrigation system and several mitigation tree plantings within the MEC Ecological Preserve. Repair of the irrigation began in July and will continue

in August. Dead plantings will be replaced in the dormant fall and winter season as needed to meet the success criteria.

APPENDIX A

Cumulative Wildlife Species Observed In or Near the Project Area

Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project and Linear Facilities Area (May 2001 to July 31, 2004)

Common Name	Scientific Name	Location
INSECTS		
Bay checkerspot butterfly	*Euphydras editha* spp. *Bayensis*	TH
Cabbage white butterfly	*Pieris rapae*	EC, GP
Anise swallowtail butterfly	*Papillio zelicaon*	TH
Lorquin's admiral	*Limenitis lorquini*	GP
Buckeye butterfly	*Precis coenia*	TH
Painted lady butterfly	*Vanessa cardui*	EC
Opler's longhorn moth	*Adela oplerella*	TH
Tarantula	*Eurypelma californicum*	TH
FISH		
Largemouth bass	**Micropterus salmoides**	**CC**
Sunfish	**Lepomis spp.**	**CC**
Common carp	**Cyprinus carpio**	**CC**
AMPHIBIANS AND REPTILES		
American bullfrog	*Rana catesbeiana*	CC
Pacific tree frog	*Hyla regilla*	TH, FC, EC
Arboreal salamander	*Aneides lugubris*	TH, EC
Western fence lizard	*Sceloporus occidentalis*	EC, TH, LA, FC, GP
Side-blotched lizard	*Uta stansburiana*	EC
Southern alligator lizard	*Elgaria multicarinata*	EC, TH, GP
Western skink	*Eumeces skiltonianus*	TH
Gopher snake	*Pituophis melanoleucus*	EC, LA, FC, PWL
BIRDS		
Pied-billed grebe	Podilymbus podiceps	FC, CC, GP
American white pelican	*Pelecanus erythrorhynchos*	EC*
Double-crested cormorant	*Phalacrocorax auritus*	CC*
Canada goose	*Branta canadensis*	EC*, CC
Mallard	*Anas platyrhynchos*	FC, CC
Gadwall	*Anas strepera*	FC
Wood duck	*Aix sponsa*	FC, CC
Common merganser	*Mergus merganser*	FC
Hooded merganser	*Lophodytes cucullatus*	FC
American coot	*Fulica americana*	FC, CC

Location:

CC = Coyote Creek Riparian Corridor
CR = Coyote Ridge
EC = Metcalf Energy Center Plant Site
FC = Fisher Creek Riparian Corridor
GP = Gas Pipe Line Corridor
TH = Tulare Hill Ecological Preserve
TL = Transmission Line Corridor
PWL = Potable Water Line Corridor
LEA = Laydown expansion area
LA = Laydown Area
CTP = Construction Trade Parking Lot
SAR = Secondary Access Road Corridor
SS = Sanitary Sewer Pipeline

Notes:

* Flyover or otherwise not utilizing area resources
** Non-active sign (i.e. carcass, feather, nest, track)
Species in **bold** were recorded for the first time this month.

Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project and Linear Facilities Area (May 2001 to July 31, 2004) (Continued)

Common Name	Scientific Name	Location
BIRDS (continued)		
Great blue heron	*Ardea heroides*	FC, GP
Green heron	*Butorides virescens*	FC, CC, GP
Great egret	*Casmerodius albus*	FC, GP
Snowy egret	*Egretta thula*	FC, GP
Killdeer	*Charadrius vociferus*	LA, LEA*,EC, GP
Turkey vulture	*Cathartes aura*	EC*, TH, LA, GP
White-tailed kite	*Elanus caeruleus*	FC, GP
Northern harrier	*Circus cyaneus*	FC, TH
Golden eagle	*Aquila chrysaetos*	TH
Osprey	*Pandion heliaetus*	CC*, TH, EC, FC
Sharp-shinned hawk	*Accipiter striatus*	FC, TH
Cooper's hawk	*Accipiter cooperii*	CC, EC*, FC
Red-shouldered hawk	*Buteo lineatus*	EC, FC, LA, CC, LEA, GP
Red-tailed hawk	*Buteo jamiacensis*	EC, FC, GP, TH, TL, CC
American kestrel	*Falco sparverius*	EC, TH, SS
Prairie falcon	*Falco mexicanus*	TH
Barn owl	***Tyto alba***	**GP**
California quail	*Callipepla californica*	CC, GP
Spotted sandpiper	*Actitis macularia*	FC
Mourning dove	*Zenaida macroura*	EC, FC, TH, TL, CC, GP
Rock dove	*Columba livia*	EC*, TH*, GP
Anna's hummingbird	*Calypte anna*	TH, CC
Hummingbird sp.		EC, TH, FC
Belted kingfisher	*Ceryle alcyon*	FC, EC*, CC, GP
Northern flicker	*Colaptes auratus*	EC, FC, TH
Nuttall's woodpecker	*Picoides nuttallii*	FC, FC**(nest),EC
Downy woodpecker	*Picoides pubescens*	EC, FC
Black phoebe	***Sayornis nigricans***	EC, **EC** (nest)**, FC, TL, LEA, CC, GP
Say's phoebe	*Sayornis saya*	LEA
Western scrub-jay	*Aphelocoma californica*	EC, FC, LEA, CC, GP
Common raven	*Corvus corax*	EC, TH, FC, CC, GP
Horned lark	*Eremophila alpestris*	TH

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SS = Sanitary Sewer Waterline

Notes:
* Flyover or otherwise not utilizing area resources.
** Non-active sign (i.e. carcass, feather, nest, track)
Species in **bold** were recorded for the first time this month.

Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project and Linear Facilities Area (May 2001 to July 31, 2004) (Continued)

Common Name	Scientific Name	Location
BIRDS (CONTINUED)		
Northern rough-winged swallow	*Stelgidopteryx serripennis*	EC
Cliff swallow	*Petrochelidon pyrrhonotta*	FC, FC**(nest), EC, TL
Barn swallow	*Hirundo rustica*	EC, LEA, GP
Oak titmouse	*Baeolophus inornatus*	FC, CC
Chestnut-backed chickadee	*Poecile rufescens*	FC, GP
Bushtit	*Psaltriparus minimus*	EC, FC, FC**(nest),GP, TL, CC
White-breasted nuthatch	*Sitta carolinensis*	FC
Bewick's wren	*Thryomanes bewickii*	FC, TH, CC, GP
Rock wren	*Salpinctes obsoletus*	FC, TH, LA
Ruby-crowned kinglet	*Regulus calendula*	TH, FC, CC
Northern mockingbird	*Mimus polyglottos*	EC, FC, GP
Western bluebird	*Sialia mexicana*	FC, CC, EC, LEA
American robin	*Turdus migratorius*	LA, EC, CC
Loggerhead shrike	*Lanius ludovicianus*	TH, FC, EC, SAR
Western kingbird	*Tyrannus verticalis*	CC
European starling	*Strunus vulgaris*	LEA, FC, EC, GP
Rose-breasted grosbeak	*Pheucticus ludovicianus*	EC
Rufous-sided towhee	*Pipilo erythrophthalmus*	GP
California towhee	*Pipilo crissalis*	EC, TH, FC, CC, GP
Dark-eyed junco	*Junco hyemalis*	FC, TH, CC
White-crowned sparrow	*Zonotrichia leucophrys*	EC, FC, TH, CC
Song sparrow	*Melospiza melodia*	EC, LA, LEA, FC, GP
Yellow-rumped warbler	*Dendroica magnolia*	TH, FC, CC
Western meadowlark	*Sturnella neglecta*	EC, LA, TH
Red-winged blackbird	*Agelaius phoeniceus*	FC, SAR
Brewer's blackbird	*Euphagus cyanocephalus*	FC, EC, CC, SAR
Bullock's oriole	*Icterus bullockii*	FC, FC**(nest),CC
House finch	*Carpodacus mexicanus*	EC, LA**, CC, FC, LEA**(nest), GP
American goldfinch	*Carduelis tristis*	LEA
Lesser goldfinch	*Carduelis psaltria*	EC, FC, CC, TH
House sparrow	*Passer domesticus*	EC, FC, CC, LEA**(nest)

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SS = Sanitary Sewer Water line

Notes:

* Flyover or otherwise not utilizing area resources.
** Non-active sign (i.e. carcass, feather, nest, track)
Species in **bold** were recorded for the first time this month.

Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project and Linear Facilities Area (May 2001 to July 31, 2004) (Continued)

Common Name	Scientific Name	Location
MAMMALS		
Common raccoon	*Procyon lotor*	FC**(track)
Striped skunk	*Mephitus mephitus*	TH**(track), GP
Opossum	*Didelphis marsupialis*	EC
Domestic dog	*Canis familiaris*	EC
Coyote	*Canis latrans*	TH, SS
Feral cat	*Felis catus*	EC
Bobcat	*Lynx rufus*	CC** (carcass), GP
Mountain lion	*Puma concolor*	GP**(tracks)
California ground squirrel	*Spermophilus beechyi*	EC, FC, TH, TL, GP
Western gray squirrel	*Sciurus griseus.*	FC
Valley pocket gopher	*Thomomys bottae*	LA**(carcass), SAR, GP
California vole	*Microtus californicus*	FC, EC
Deer mouse	*Peromyscus maniculatus*	TH, EC
Dusky-footed woodrat	*Neotoma fuscipes*	GP**(lodge)
Norway Rat	*Rattus norvegicus*	EC
Common muskrat	*Ondatra zibethicus*	FC
Brush rabbit	*Sylvilagus bachmani*	GP
Black-tailed jackrabbit	*Lepus californicus*	EC, TH, CTP
Feral pig	*Sus scrofa*	CC**(carcass), GP**(scat)
Tule elk	*Cervus nannodes*	CR
Black-tailed deer	*Odocoileus hemionus*	FC, GP, CC

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Notes:

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Species in **bold** were recorded for the first time this month.

APPENDIX B

Wildlife Observation Forms

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM

To Record Animals Found In Metcalf Energy Center Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee:
Todd Ellwood

Date:
7/14/04

Location of observation:
Main site - STG iron work

Condition of wildlife:
alive [ ] dead [X]

Species: mourning dove egg

Possible cause of injury or death:
Egg 'dumped' by bird

Where is the animal currently?
single egg removed from iron beam.

Is the resource in danger of project (or other) impacts?
no

Comments:
Single egg was observed on iron beam by project personnel. No nesting material was present.

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385
BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402
COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600, Sacramento, CA 95833
USFWS CONTACT: Cecilia Brown (916) 414-6625
CDFG CONTACT: John Norris (408) 591-5174

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM

To Record Animals Found in Metcalf Energy Center Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee: Mark Smelley

Date: July 20, 2004

Location of observation: west side of cooling tower

Condition of wildlife:
alive [✓] dead [ ]

Species: gopher snake

Possible cause of injury or death: N/A

Where is the animal currently? Mark Smelly moved the snake from the west side of the cooling tower and placed it into the riparian area outside of the plant fence.

Is the resource in danger of project (or other) impacts?
The snake was in danger from mobile equipment driving on the road near the cooling tower

Comments: The snake was relocated since it was in danger of being crushed near the cooling tower.

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385
BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402
COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600, Sacramento, CA 95833

USFWS CONTACT: Cecilia Brown (916) 414-6625
CDFG CONTACT: John Norris (408) 591-5174

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM

To Record Animals Found In Metcalf Energy Center Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee:
Todd Ellwood

Date:
7/26/04

Location of observation:
West side of cooling tower.

Condition of wildlife:
alive [✓] dead [ ]

Species: gopher snake

Possible cause of injury or death:
n/a

Where is the animal currently?
Biological monitor moved snake from cooling tower to riparian area.

Is the resource in danger of project (or other) impacts?
No, unless snake re-enters work site.

Comments:
Project personnel immediately informed onsite Biological monitor of the snake.

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385
BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402
COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600, Sacramento, CA 95833
USFWS CONTACT: Cecilia Brown (916) 414-6625
CDFG CONTACT: John Norris (408) 591-5174

APPENDIX C

WEAT Sign-In Sheets

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 07.06.04

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

NAME (PRINT)	NAME (SIGNATURE)	COMPANY	FOR OFFICE USE ONLY			
			W OR D	EMP ID #	BADGE #	PARK PERMIT #
JACK DUNIVAN	Jack Dunivan	ROSENDIN	W	00713	—	—
Dave Deacon	D Deacon	SSE	W	00692	—	—
ERIC D. HANSEN	Eric Hansen	NATIONAL	W	00693	—	—
TILMON HINSON	Tilmon Hinson	National	W	00694	—	—
Keith Stille	Keith Stille	National Steel	W	00695	—	—
Eugene Reynolds	Eugene Reynolds	National Steel	W	00696	—	—
SHELDON VANPELT	Sheldon Vanpelt	NATIONAL STEEL	W	00697	—	—
Donald L. McGuire	Donald L. McGuire	National Steel	W	00698	—	—
Tracee Newman	Tracee Newman	National steel	W	00699	—	—
Robert Spencer	Robert Spencer	Conco	W	00,700	—	—
Kenny Taylor	Kenny Taylor	Stocal	W	00701	—	—
MARTIN TABOR	Martin Tabor	N S E	W	00702	—	—
EVAN GUADAMUZ	Evan Guadamuz	CONCO	W	00703	—	—
STEPHEN WILLIAMS	Stephen Williams	N.S.E.	W	00704	—	—
Alfred Adams	Alfred Adams	Conco.	W	00705	—	—
MICHAEL BRANDT	M Brandt	N S E	W	00706	—	—
Orlando Ortega	O. Ortega	N. S. E	W	00707	—	—
JEFF KAISER	Jeff Kaiser	Stocal	W	00708	—	—
Carlos Diaz	Carlos Diaz	N. S. E.	W	00709	—	—

Instructor/s: N Shomell

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 07.06.04

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

NAME (PRINT)	NAME (SIGNATURE)	COMPANY	FOR OFFICE USE ONLY			
			W OR D	EMP ID #	BADGE #	PARK PERMIT #
Greg McClelland		STOCAL	D	277		
Stanford Sims	Stanford Sims	PSF	W	00711	—	—
Travis Arnett	Travis Arnett	NSE	W	00712	—	—
Chris Green		CH2M Hill	D	326	16624	
Winston F. Peart	Winston F. Peart	Compliance services safety	D	383	16681	

Instructor/s: N Shonnell

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: July 12, 2004

PLEASE NOTE:
By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

NAME (PRINT)	NAME (SIGNATURE)	COMPANY	FOR OFFICE USE ONLY: W OR D	EMP ID #	BADGE #	PARK PERMIT #
Joe Lemming	Joe Lemming	PSF	W	00715	—	—
Wayne Wheeler	Wayne Wheeler	STROCAL	W	00716	—	—
Cris C Gonzalez Jr	[illegible]	Strocal	W	00717	—	—
Jeff Valdez	[illegible]	Strocal	W	00718	—	—
Fernando Santillan	Fernando Santillan	Conco	W	00719	—	—
Pedro Cabrera	[illegible]	CONCO	W	00720	—	—
DANIEL MACIAS	Daniel Macias	NSE	W	00721	—	—
Chris Sauer	Chris Sauer	NSE	D	1258	60647	252
Baltazar Garcia	Baltazar Garcia	Ranger	W	00723	—	—
Chsis Hagan	Chris Hagan	NSE	W	00724	—	—
TOM MOZZONE	Tom Mozzone	SPRIG ELECT.	W	00725	—	—
Beverly Martinez	Beverly Martinez	NSE	D	379	16677	251
Jose Robles	Jose Robles	Alamillo	W	00727	—	—
Enrique Leon	Enrique Leon	NUWCON	W	00728	—	—
Victor H Vargas	Victor H Vargas	NVWCON	W	00729	—	—
Fernando Bertolo	[illegible]	NEW CON	W	00730	—	—
Jose Cuarta	[illegible]	NEWCON	W	00731	—	—

(17)

Instructor/s: N Shonnell

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 07. 13. 04

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

NAME (PRINT)	NAME (SIGNATURE)	COMPANY	FOR OFFICE USE ONLY			
			W OR D	EMP ID #	BADGE #	PARK PERMIT #
Terry L Graham		NSE	W	00732	—	—
BILL SIEBENTHAL		SSC	W	00733	—	—
Marcus Gonzales		NSE	W	00734	—	—
MARTIN CORONA		N.S.E.	W	00735	—	—
Louis Thomas		NSE	W	00736	—	—
~~Richard Green~~		~~NSE~~	W			
GARY MASUOKA		NSE	W	00737	—	—
Michael Buckley		NSE	W	00738	—	—
PAT TOSCHI		Signet	D	338	16626	
RAFAEL SANTANA		CALPINE	D	342	16640	
Robert Morrison		Calpine	D	368	16666	
~~Calvin Phan~~		~~Siemens Westinghouse~~				
Robert Nolan		NSE	W	00739	—	—
James W. Goodwin		NSE	W	00740	—	—
DAVID MASON		NSE	W	00741	—	—
David Andres		NSE	W	00742	—	—
Wayd LaPearle		NSE	W	00743	—	—
~~PAUL MOORE~~	~~PAUL MOORE~~	~~INTERFACE~~				
Alex Gonzalez		NSE	W	00744	—	—
Sam T Lopez		NSE	W	00745	—	—

Instructor/s:

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 07.13.04

PLEASE NOTE:
By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

NAME (PRINT)	NAME (SIGNATURE)	COMPANY	FOR OFFICE USE ONLY: W OR D	EMP ID #	BADGE #	PARK PERMIT #
Fred Boulay	Fred Boulay	NSE	W	00746	—	—
Mike Bants	Mike Bants	REI	W	00747	—	—
Clarence Dennis	[illegible]	REI	W	00748	—	—
TODD CASTNER	Todd J. Castner	REI	W	00749	—	—
Ryan Anderson	[illegible]	REI	W	00750	—	—
STEVE BALTES	Steve Baltes	REI	W	00751	—	—
Josi A. Pena	Josi A. Pena	REI	W	00752	—	—
Rick Clarke	[illegible]	REI	W	00753	—	—
DENNIS CADDELL	D Caddell	REI	W	00754	—	—
Mandi Murdick	Mandi Murdick	Sachs/Rosedin	D	326	.16624	
Joe Dionne	Joe Dionne	REI	W	00755	—	—
Gary Hong	Gary Hong	REI	W	00756	—	—
Joe Lovelace	Joseph L. Lovelace	REI	W	00757	—	—
Chuck Holmes	Charles Holmes	REI	W	00758	—	—
ART HAMMOND	Art Hammond	REI	W	00759	—	—
PAUL WILLIAMS	[illegible]	REI	W	00760	—	—
Gary Pryer	Gary Pryer	Stroca	W	00761	—	—
GABRIEL RIOS	Gabriel Rios	STROCA	W	00762	—	—
Jacob Jamison	Jacob Jamison	Stro Cal	W	00763	—	—

Instructor/s: [illegible]

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 07.19.04

PLEASE NOTE:
By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

NAME (PRINT)	NAME (SIGNATURE)	COMPANY	FOR OFFICE USE ONLY: W OR D	EMP ID #	BADGE #	PARK PERMIT #
GARRICK JOHNSON	[signature]	SIGNET	D	274	60673	
Joe Adams	[signature]	Marley	W	00764	—	—
WILLIAM GARETSON	[signature]	Marley	W	00765	—	—
Scott Napper	[signature]	DPR	W	00766	—	—
ERIK KLEVEN	[signature]	AUBREY	W	00767	—	—
MOHAMMAD WASHAHA	[signature]	PSF	W	00768	—	—
Salvador Barajas	Salvadors Barajas	~~[illegible]~~ INTER STATE	W	00769	—	—
David Magallon	[signature]	Marley	W	00770	—	—
Carole Pharr	Carole Pharr	Siemens-Westinghse	D	395	16693	

Instructor/s: [signature]

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 07.20.04

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

NAME (PRINT)	NAME (SIGNATURE)	COMPANY	FOR OFFICE USE ONLY			
			W OR D	EMP ID #	BADGE #	PARK PERMIT #
MICHAEL RODRIGUEZ	M. R.	CALPINE/PMI	—	—	—	—
KARLI MAEDA	K. M.	RAYMUNDO ENG'G	D	269	60668	261
Bill Raymundo	W. Raymundo	" "	D	409	16707	262
GRAHAM BECK	G. Beck	Conco	D	480	16778	~~264~~ 263
JESUS SILVA	JESUS SILVA	INTERESTATE	W	00773	—	—
Valerie Swope	V. Swope	Rosendin	W	00774	—	—
MARK WILSON	M. Wilson	ROSENDIN	W	00775	—	—
John Scott Thayer	J. Thayer	AUBRY	W	00776	—	—
Vernor Halona	V. Halona	AUBRY	W	00777	—	—
Joseph Grunda	J. Grunda	Calpine/Wilsonville	D	444	16742	~~265~~ 264

Instructor/s: N. Snowell

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 11-24-04

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

NAME (PRINT)	NAME (SIGNATURE)	COMPANY	FOR OFFICE USE ONLY			
			W OR D	EMP ID #	BADGE #	PARK PERMIT #
DWAINE L. CRAIG		PSF	W	00778	—	—
ARNOLD W. MORRILL		QSL PLUS	W	00779	—	—
Kenny Boodhai		QSL PLUS	W	00780	—	—
RYAN DOYEL		QSL PLUS	W	00781	—	—
Steven DesOrmeaux		SSC	W	00782	—	—
DAVID RIVERA		REI	W	00783	—	—
Jose Casorla		REI	W	00784	—	—
EDUARDO MORALES		REI	W	00785	—	—
WALTER GONZALES		" " REI	W	00786	—	—
Steve Sullivan		REI	W	00787	—	—
GEORGE TORRES		[redacted] SSC	W	00788	—	—
Mark Keith		SSC	W	00789	—	—
Brian Knoll		REI	W	00790	—	—
KIRK WILLIAMS		REI	W	00791	—	—
Alex Navarrete		Redwood Painting	D	(265)	160644	
STEVE STACEY		Marley	W	00793	—	—
Luis Rosa		Marley	W	00794	—	—
[redacted]			H	—	—	—
DANIEL ESPARZA		Marley	W	00795	—	—

Instructor/s:

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 07-26-04

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

NAME (PRINT)	NAME (SIGNATURE)	COMPANY	FOR OFFICE USE ONLY			
			W OR D	EMP ID #	BADGE #	PARK PERMIT #
Robert Pinetti		REI	W	00796		
Arturo Saldana		DPC	W	00797		
Jose D Fernandez		D.P.R.	W	00798		
Mike Carrillo		Bay Erectors	W	00799		
Jose Tristan		Bay Erectors	W	00800		
Jose Sanchez		Bay Erectors	W	00801		
Jeff Worley		DPR	W	00802		
Greg Ulferts		marley	W	00803		
Carl Keeling		marley	W	00804		
Steve Richardson		Sachs Automation	W	00805		

Instructor/s: _____

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 07.21.04

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

	NAME (PRINT)	NAME (SIGNATURE)	COMPANY	FOR OFFICE USE ONLY			
				W OR D	EMP ID #	BADGE #	PARK PERMIT #
	LAURA ROTTER	Laura Rotter	Rosendin	W	00806	—	—
	Danny Rodriguez	Danny Rodriguez	Rosendin	W	00807	—	—
	Sandy Klingval	Sandy Klingval	Rosendin	W	00808	—	—
	TED EMMETT	Ted T. Emmett	REI	W	00809	—	—
D	GREG BACON	Greg Bacon	ROSENDIN	D	2275	60634	271
	David J. Fortney	David J. Fortney	Rosendin	W	00811	—	—
	KANDALL WOODS	[illegible]	ROSENDIN	W	00812	—	—
	Erik HANSEN	Erik A. Hansen	ROSENDIN	W	00813	—	—
	Louis Robarz	Louis Robarz	NSC	W	00814	—	—
	Christine meyer	Christine Meyer	Calpine	D	1194	60393	272
	Maria Navarrete	Maria Navarrete	Calpine	D	272	60671	273
	Jay Bosley	Jay Bosley	Rosendin	W	00815	—	—
	KEITH SYLVA	K. Sylva	OLSEN + Co. STEEL	W	00816	—	—
D	Brian Cole	Brian Cole	olsen + Co. Steel	D	519	11617	274
	Todd Schwichtenberg	Todd Schwichtenberg	ROSENDIN	W	00818	—	—
	JIM HURSH	[illegible]	CALPINE	D	346	16044	275
	Ken Ortloff	Ken Ortloff	Rosendin	W	00819	—	—
	Russell Rabel	Russell Rabel	Wilson	W	00820	—	—
	C. Jay Harms	C. Jay Harms	Wilson	W	00821	—	—

Instructor/s: [signature]

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

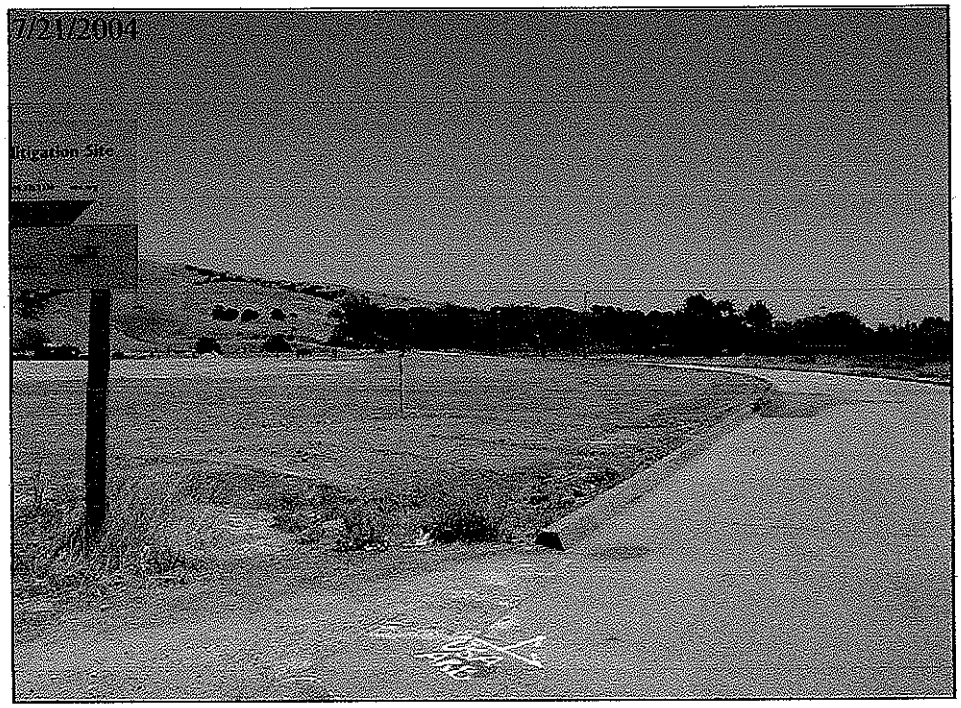
Date: 07.27.04

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

NAME (PRINT)	NAME (SIGNATURE)	COMPANY	FOR OFFICE USE ONLY			
			W OR D	EMP ID #	BADGE #	PARK PERMIT #
Brandon Robbins	BC Robbins	Wilson	W	00822	—	—

Instructor/s: NSnowell



Post-Construction Restoration of HDD Entry Pad

Restoration of June HDD Frac-Out Location

CONDITION OF CERTIFICATION CUL-7

WEEKLY SCHEDULES

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

Memorandum

To: Colin Busby, Lanny Fisk
From: Mark Smolley

July 16, 2004,

Re: Anticipated Excavation Activities

The following are the upcoming anticipated excavation activities at the Metcalf Energy Center for the next several weeks. As always, I will continue to provide day-to-day updates directly to the various field staff.

Week of 7/19/04

Gas Metering Station – 1-2 days, Footings for Concrete Piers, 3 feet deep
Switchyard – 2 days, Augering for Piers, 12-14 feet deep
Sewer Line – Begin final P/A Test Units near rail spur
Minor Misc. Plant excavations

Week of 7/26/04

Sewer Line – Near Santa Teresa Boulevard

Week of 8/2/04

Sewer Line – Near rail spur on MEC site
Gas Regulator Station on MEC Site

Memorandum

To: Colin Busby, Lanny Fisk
From: Mark Smolley

July 30, 2004,

Re: Anticipated Excavation Activities – Three Week Look Ahead

The following are the upcoming anticipated excavation activities at the Metcalf Energy Center for the next three weeks. As always, I will continue to provide day-to-day updates directly to the various field staff.

Week of 8/2/04

Sewer Line – Presence/Absence Testing near rail spur on MEC site – 1 day
Sewer Line – Fill Material at existing sewer manhole & at Santa Teresa Blvd – 2-3 days
Switchyard – Augering for concrete piers – 1 day
Minor Misc. Plant excavations in Fill Material
Western Access Road – Disc 6" to 12" of surface soil – 2 days

Week of 8/9/04

Switchyard – Secondary Power Line beneath block retaining wall on East Side - 2 days
Minor Misc. Plant excavations in Fill Material
Sewer Line – Near Rail Spur – 1 day

Week of 8/16/04

To Be Determined

CONDITION OF CERTIFICATION PAL-4

PALEO MONTHLY SUMMARY REPORT

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

Metcalf Energy Center Project
Paleontological Resource Monitoring and Mitigation Program

Monthly Report

Project Name: Metcalf Energy Center (MEC) **Project Number:** 01-17

Clients: Calpine/CH2M Hill **Month:** July 2004

Designated Paleontological Resource Specialist: Dr. Lanny H. Fisk, PhD, RG

Monthly Report for July 2004:

During the month of July 2004, PaleoResource Consultants (PRC) continued to work with Calpine Corporation through their environmental consultants, CH2M Hill, to mitigate potential adverse impacts to paleontological resources (fossils) which might result from construction of the Metcalf Energy Center (MEC) and associated linear facilities (including a natural gas pipeline, sanitary sewer line, water supply lines, and electrical transmission line) all located in south San Jose, California. In July ground disturbance related to the MEC project included both excavations at the plant site and trenching for linear facilities off site. Excavations at the MEC plant site included augering for foundation piers (up to 36" in diameter and 19 feet deep) in the electrical switch yard. Off site excavations included trenching for the natural gas pipeline (up to 17 feet deep), sanitary sewer line (up to 7 feet deep), and potable water line (up to 6 feet deep). Excavations were monitored by PRC paleontological resource monitors Phillip R. Peck, Patrick W. Riseley, or Jason C. Butler.

As these excavations are all on the alluvial floodplain of Coyote Creek, sediments exposed varied widely from dark brown clay to gravel containing rounded cobbles, the latter filling buried and abandoned stream channels. Both the lithology of the sediments and the depositional environments represented would appear to be conducive to the burial and preservation of plant and animal fossils. However, no macrofossils were discovered during monitoring. Two sediment samples were collected for possible processing to recover microfossils that may provide important age and/or paleoenvironmental information. These samples were collected from organic-rich clayey silt layers at depths of 16 and 19 feet in auger holes for foundation piers in the electrical switch yard. Sediments at this depth below the current ground surface may be Pleistocene ("Ice Age") and yield important information on the climate and vegetation at the time these sediments were deposited.

CONDITION OF CERTIFICATION SOCIO-1

LIST OF PLANNED PROCUREMENT

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

SOCIO-1: List of planned procurement of materials or hiring outside the local regional area during the next two months.

Material/equipment	Manufacturer	Point of Origin	Reason
Fire pumps	Mechanical Equipment, Co.	North Carolina	Not available locally
Lube oil conditioner	Gulfgate	Houston, TX	Not available locally
Sample panel	Sentry Equipment Corporation	Oconomowoc, WI	Not available locally
Boiler Feedwater Pumps	Wier Pumps	Colorado	Not available locally
Distribution Control Systems	Siemens Westinghouse	Georgia	Not available locally
Oil Water Separator	PS International	South Dakota	Not available locally
Water Treatment Equipment	Aqua Tech	Pennsylvania	Not available locally
Instruments for HRSGs	Fluidic Technologies	Texas	Not available locally
Power Distribution Centers	Tesla	Texas	Not available locally

COMPLIANCE MATRIX

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

As of July 31, 2004

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	12/15/04			
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				

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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				

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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				

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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				

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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-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	6/21/04		Submitted
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

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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 Spring 2004.
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	N/A	Complete
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		6/17/04	N/A	Complete
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				On-going
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				On-going
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				On-going

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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				In progress. Plan to submit in Sept/Oct 04.
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				

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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	5/30/04			
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				
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				

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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				In progress. Plan to sumbit in Sept/Oct 04.
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				In progress. Engineers finalizing.
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				
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				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
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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**
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		Design Drawings & Specifications submitted to CBO in May 2004	Drawings & Specifications Approved by CBO on 6/7/04	Complete
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, 2/24/03, 5/23/03 (linears)	7/27/01, 3/7/03, 5/29/03 (linears)	Complete for site and linears.
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				
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				

As of July 31, 2004

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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.	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	8/1/2001, 3/12/03	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	1/23/04	1/23/2004, 2/25/2004		Submitted
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				
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	6/24/03	Complete
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

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START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
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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**
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 boundaries are ready for inspection.	Prior to construction of specificied facilities and structures		7/23/02 to 6/24/04	10/2002 to 6/2004	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 9/23/03 10/21/03	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				
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		3/3/04	N/A	Complete
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		5/5/04	N/A	Complete
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	4/15/04	5/5/04	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**
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		Submitted 5/5/04 to 6/28/04.	N/A	Complete
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	7/1/03	5/23/03	6/18/03	Complete
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	4/1/04	4/7/04	N/A	Complete
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		9/9/03	N/A	Complete
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		9/9/03	N/A	Complete
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		9/9/03	N/A	Complete
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		9/9/03	N/A	Complete
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				On-going
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		5/14/02		Caltrans encroachment permit for gas pipeline submitted in April 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				
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	N/A	Complete
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	10/2/2001, 12/9/02, 5/23/03 (linears), 5/5/04 (gas line)	10/24/2001, 7/7/03 (linears)	Complete for site. Complete for linears. Submitted for gas line.

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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**
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**	3/30/04	3/3/04 (gas line) 3/4/04 (sewer line)		Submitted
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	7/1/05			
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	10/2/2001, 12/9/02, 5/23/03 (linears), 5/5//04 (gas line)	10/24/2001, 7/7/03 (linears)	Complete for site. Complete for linears. Submitted for gas line.
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	5/31/04	6/28/04	N/A	Complete
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	3/31/05			
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
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	12/1/04			
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	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	1/1/05			
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

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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**
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	12/1/04			
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
NOISE-7	The project owner shall implement typical noise source reduction measures such as silencers and acoustical enclosures for HDD.	Submit a plan for approval to the CPM to implement noise reduction measures for HDD.	30 days prior to commencing HDD.	5/1/04	3/23/04	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	1/14/04	Submitted for cooling tower color only. Comments received 8/28/02.
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	9/28/02	10/9/03	1/14/04	Comments received 8/28/02. Will re-submit with VIS-9 submittal. See VIS-9 below.
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	6/1/04			
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.	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.	5/3/03	5/5/2003, 4/29/04 (switchyard)		Submitted, comments received 5/29/03. Submitted for switchyard.
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	6/30/03	6/24/03		Submitted

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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**
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-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		4/7/04		Submitted
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				
Temporary Aesthetic Screen							
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	7/27/01	2/15/02 (Aesthetic screen)	Complete for temporary.
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	2/12/02	2/12/02	2/15/02	Complete for temporary.
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)		Submitted for temporary.
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				
Long-term screen (Monterey Road landscaping)							
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)	Complete
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, 8/11/03	10/17/03	Revised plan submitted 12/18/01. Received comments 7/31/02. Submitted City of San Jose comments to CEC on 9/26/02.
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	8/30/02	10/9/03	10/17/03	Responded to CEC staff comments on 12/19/03. Complete.
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 plan to the CPM for review and approval and to the City of San Jose for review and comment.	At least sixty (60) days prior to installing the screening	5/1/04	3/16/04		Submitted
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	6/12/2001, 5/7/2003		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**
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	6/12/2001, 5/7/2003	8/5/03	Submitted. Received comments 6/11/03.
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.	7/11/03	6/17/03	8/5/03	Complete
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	2/1/04	6/23/04		Submitted
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	2/1/04	6/23/04		Submitted
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		9/25/03	1/14/04	Complete. Resubmitted to CSJ on 9/25/03.
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	1/14/04	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	11/30/02	11/25/02	1/14/04	Submitted. Received comments 2/10/03.
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	3/10/03	10/9/03	1/14/04	Responded to CEC staff comments on 12/19/03. 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.	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	6/27/03	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**
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.		9/24/02, 11/6/02, 2/21/03, 5/27/03, 6/6/03, 6/24/03	6/27/03	Complete
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				
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	6/12/2001 8/4/03	12/15/01	Submitted revisions
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

As of July 31, 2004

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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-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				Ongoing
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		3/14/03		Submitted in March 2003 MCR.
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				

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-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				
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	8/8/2001 9/4/2003	8/15/2001 9/16/2003	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				Gas line plan submitted 3/4/03. Comments received 3/18/04.
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	10/1/03	7/1/2003 9/9/2003	3/8/04	Completed.
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

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-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				
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) 6/5/03 (gas line)	N/A	Complete. Copies of extensions submitted 2/24/04 and 3/9/04.
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	N/A	Complete
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	N/A	Complete
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				

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-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 for construction
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	8/31/2001, 2/24/2004 (linears), 4/29/04 (gas line)	10/18/01	Complete for project site. Submitted for linears.
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	8/31/2001, 2/24/2004 (linears), 4/29/04 (gas line)	10/18/01	Complete for project site. Submitted for linears.
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, 1/2/02, 12/2/02, 2/12/03, 7/2/03	1/25/02	Complete
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	5/1/03	12/02/02 (outfall)		Complete for outfall. Not required for gas line per RWQCB.
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		9/9/03		Submitted

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-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
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				

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-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				
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-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	11/14/02	11/14/02	11/18/2002, 5/7/03	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	11/23/2002, 5/12/03	11/20/2002, 5/8/2003	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	6/3/03	6/3/03	8/7/03	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	8/14/03	8/13/03	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

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-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		2/14/2002 10/22/02	7/7/03	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				
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	N/A	Complete
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				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		3/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
CIVIL-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.				
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	7/26/2002 / 1/6/03		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	8/14/2002 / 1/17/03		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				

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-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				
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				

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-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				
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				

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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-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				
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				

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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**
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				
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	3/1/04	6/8/04		Submitted
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	3/1/04	6/8/04		Submitted
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	3/1/04	6/8/04		Submitted
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	3/1/04	6/8/04		Submitted
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				

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-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 (rev.)	11/19/2001 10/25/02 (rev.)	Complete
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		On-going

CBO SUBMITTALS, COMMENTS AND APPROVALS

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/B&R AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates						Comments	Documents	
				Issued	To Check	From Check	Respond	From Check	Status		Sub'd	Rsp'd
		00001	Never Assigned									
		00002	Never Assigned									
		00009	**Construction Facilities** Drawing	2/27/2002 3/20/2002	3/21/2002						1	
GEN-2		00010	**Gas Turbine Difuser**	2/27/2002 3/20/2002	3/21/2002	3/29/2002	See 00025		A-3/29/2002		1	1
GEN-2		00025	**Gas Turbine Difuser** Condition of Certification	4/22/2002					A-4/24//02		1	1
GEN-6	**1008**		Field Engineers and Special Inspectors John Edwin Nelson and Roman M. Reyes						A-9/28/02		1	1
GEN-2	**1009**		Bechtel Proposed CBO Submittal List (24193-000-T01-GEGX-00018)						C-10/16/02		1	1
GEN-5	**1011**		Qualifications Statement Ballod (Civil), Masi (Mech) & Rubin (Elect)						A-1/18/02		1	1
GEN-4	**1012**		Qualifications: Resident Engineer Mr. Shuke Miao of Mortenson						A-1/17/02		1	1
GEN-4	Calpine Letter	**00268**	Qualifications: Resident Engineer: Mr. Robert K. Anders	6/3/2003								
GEN-4	Calpine Letter	**00272**	Qualifications: Resident Engineer: Mr. Robert K. Anders	7/9/2003								
GEN-5	**1013**		Statements of Qualifications C. Barry Butler and Richard G. Woodward-(Geotech)						A-1/16/02		1	1

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GEN-6	1014		Statement of Qualifications, Bill Petroski						C-1/18/02		1	1
GEN-6	1015		Special Inspectors-Jarrod Bordi (1 of 6) ICBO/ACI	01/11/02					A-1/16/02	AWS/CW	1	1
GEN-6	1015		Special Inspector-Kevin Brown (2 of 6)-ICBO/ACI	01/11/02					A-1/16/02		1	1
GEN-6	1015		Special Inspector-Leah Welliver (3 of 6)-ICBO/ACI	01/11/02					A-1/6/02		1	1
GEN-6	1015		Special Inspector - Steven Harvey (4 of 6)-ICBO/ACI	01/11/02					A-1/16/02		1	1
GEN-6	1015		Special Inspectors-Bundy Chamberlain Jr.(5 of 6)	01/11/02					C-1/16/02		1	1
GEN-6	1015		Special Inspectors - Daniel Camacho (6 of 6)	01/11/02					C-1/16/02		1	1
GEN-6	1015		Statement of Qualification - Special Inspectors	01/11/02					C-1/17/02		1	1
GEN-6	Calpine Letter		Special Inspector - Dave Barnes	07/06/04	7/7/2004	7/7/2004			Approved			
GEN-6	1015		Special Inspector - Jeff Patterson	04/21/04			04/21/04		Approved			
GEN-6	1015		Special Inspector - Jay Hatfield	05/13/04			05/13/04		Approved			
GEN-6	1015		Special Inspector - Garrick Johnson	6/3/2004	6/3/2004	6/10/2004	06/10/04	HK	Approved			

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GEN-5	1016		Statement of Qualifications, Emma, Chainese						A-9/20-02		1	1
GEN-5	1017		Statement of Qualification: Civil/Structural - Mr. Lantry						A-9/20/02		1	1
	1019		Statement of Qualification: Civil -Protocol A, Mr. Lantry						A-9/20/02		1	1
GEN-2	1017	000051	CBO Submital List	07/18/02								
GEN-2	1017	000083	CBO Submital List	10/11/02							1	1
GEN-2	1018	000138	CBO Submital List	01/27/02							1	1
GEN-5	1017		Resp. Design Eng: Civil - Mr. Lantry								1	1
GEN-5	1019	000159	Responsible Civil Engineer	4/7/03 No rsp rq'd								
GEN 4			Resident Engineer Transition Acceptance by SG	02/04/03							1	1
TSE-1	Calpine Letter		Qualifications: Switchyard **Power Engineers** 2 Resumes	02/04/03			03/21/03		Condition Approved	Needs: PE Certs		
			Carl Johnson - Resume								1	1
			Kevin Murar - Resume								1	1
	Calpine Letter		Qualifications: Switchyard **Power Engineers** 2 Regitration Certificates	04/17/03			08/04/03		Approved	HK Stamped 6/10/03		
			Carl Johnson - Certification									
			Kevin Murar - Certification									
	Calpine Letter		Qualifications: Switchyard	03/22/04								
			Power Engineers									
			Steve Walker - Civil Engineer									
	Calpine Letter		Qualifications: Switchyard	11/06/03			11/06/03		Approved			
			Power Engineer									
			John Henning									
	Calpine Letter		Qualifications: Water Treatment Building, BOP Elect. & Admin. Building	04/27/04			05/05/04		Approved			
			DPR Construction Responsible Engineers									
			Samuel J. Koerper - Structural Engineer									
			Steven Cox - Architect									
			Edward J. Brady - Mechanical (Plumbing) Engineer									
			Steve Reade - Mechanical (HVAC) Engineer									

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GEN 5	Calpine Letter		Qualifications: Gas Pipeline **Raymundo Engineering:** 2 Resumes	02/05/03			03/21/03	HK	Condition Approved	Needs: PE Certs, ORG Chart other Resumes	1	1
			Resp. Design Eng: Gas Pipeline - John Byrne									
			Resp. Design Eng: Gas Pipeline - Bernard Wroblewski	02/05/03							1	1
GEN-5	Calpine Letter		Qualifications: Gas Pipeline **Raymundo Engineering:** 4 Resumes, Organizational Chart, Inspection Plan	05/05/03			08/06/03	HK	Approved	HK stamped on 6/10/03	6	0
			William Raymundo- Resume									
			John J. Byrne - Resume									
			Karli K. Maeda - Resume									
			Bart F. Oddo - Resume									
			Inspection Plans									
			Organizational Chart									
GEN-5	Calpine Letter		Qualifications: Access Road and Sewer Line **CH2M-Hill Engineering:** 2 Resumes	03/25/03			04/30/03	HK	Approved			
			Mike Zabaneh - Resume									
			Benjamin Wright - Resume									
GEN-5	Calpine Letter	no ltr number	Qualifications: Access Road and Sewer Line **CH2M-Hill Engineering:**	12/08/03	3/11/2004			HK				
			Constance Eichhorn - Replaces Mike Zabaneh									
WASTE-4	Calpine Letter		Qualifications: **Registered Geologist** 2 Letters 6 Resumes	04/18/03			Info Only		No Approval Req'd			
			Letter to Steve Munroe 3/12/03									
			Mark Smolley									
			Letter to Steve Munroe July 31,2001									
			Ana Demorest-Resume									
			David Ritzman - Resume									
			Julia S. Spahn - resume									
			Keith Sheets - resume									
			Scott Eric lamb - Resume									
GEN-5	Calpine		Qualifications: Archetectural Screen Wall **Geiger Engineers**: 1 resume	03/14/03			08/05/03	HK	Approved	HK stamped on 6/10/03		

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				Issued	To Check	From Check	Respond	From Check	Status		Sub'd	Rsp'd
			Kris Hamilton - Resume									
GEN-4	Calpine	0268	Resident Engineer Bob Anders	06/03/03			08/07/03	HK	Approved			
GEN-4	Calpine	0272	Deputy Resident Engineer	07/09/03			08/07/03	HK	Approved			
GEN-4	Calpine	0000	Resident Engineer Exit Statement	06/03/03			08/07/03	HK	Approved			
GEN-4	Calpine	0276	Resident Engineer Enter Statement	08/07/03			08/07/03	HK	Approved			
GEN-5	Calpine	0283	Civil/Structural RDE - Mr. Martin Ballod Resume	08/26/03	8/29/2003			HK				
GEN-5	Calpine	0000	Fire Protection RDE - Mr. Ray Podesfinski	08/29/03	8/29/2003			HK				
GEN-5	Calpine	000	Responsible Design Engineer	06/17/04	6/17/2004	7/6/2004		HK	Approved			
GEN-8	3060	000190	Certification upon Completion of Increment of Work Marty Ballod Certification of Piles	08/28/03	8/29/2003			HK				
	Calpine	00514	Letters from Lowney Individual Foundations	09/08/03								
	Calpine	00xxx	Letter from Lowney Overall Foundations									
Calpine	Submittal	00847	Safety Manual in CD format	10/24/03								
Calpine	Transmittal	01551	Construction Worker Safety Fire PP Plan	02/25/04								
Calpine	Transmittal	01330	Third Party Inspection matrix	01/27/04				Kosten		looks good		
Capine	Letter	00327	Request For Certificate of Occupancy									
				Status Code							Total:	Total:
											30	26

A - Approved
I - Accepted as for information only
N - Not approved, returned with comments.
P - Approved upon sign-off by Engineer, Inspector or Geotech, or other Third Party indicated by CBO.
D - Discussion pending between CBO, Engineer, Geotech, Inspector or other party
H - On hold by Mortenson/Calpine

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C - Approval Conditioned upon submittal of addt. Info.or replacement					R - Reversal of approval pending resolutions from outside agencies.							

Summary of Drawing		
	Submitted	Responded
General	30	26
Civil	71	27
Struct	553	359
Mech	291	290
Elect	270	278
Total	**1215**	**980**
Percent Responded	81%	

METCALF DOCUMENT SUBMITTAL RECORD
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				Issued Date	To Check	From Check	Resp' Date	Check By	Status		Rc'd	Rsp'd
CIVIL-1		Bechtel	**Storm Water Management Plan**					DN			0	0
			Erosion-Sediment Control & Storm Water Plan: Report# 24193-000-G27-GEK-00001 Rev2	10/19/01			4/8/2002	DN	Approved	R2	1	1
			Calc: Storm Basin Sizing H&H-1 Rev 1	08/21/02			4/8/2002		Approved	R1	1	1
			Calc: Storm Drain Design H&H-2 Rev 2	10/30/2002			4/8/2002		Approved	R2	1	1
		*	Calc: Retaining Wall Structure 000-DBC-000-00001	10/10/2002			4/8/2002		Approved	R0 * May not belong in this package	1	1
			Drwg: 0-C2-0000-00001 Site Plan	10/12/2001			4/8/2002		Approved	R2	1	0
			Drwg: 0-C2-0000-00002 Const. Facilities	10/17/2001						R2	1	0
			Drwg: 0-CE-0000-00001 Clearing Stripping Stockpile	10/19/2001			4/8/2002		Approved	R1	1	0
			Drwg: 0-CG-0100-00001 Rough Grading Phase 1	10/24/2001			4/8/2002		Approved	R3	1	0
			Drwg: 0-CG-0100-00002 Rough Grading Phase 2								1	0
			Drwg: 0-CG-0090-00001 Erosion Control Details								1	0
			Drwg: 0-CG-0090-00002 Drainage Details	8/20/2001						R1	1	0
			Drwg: 0-CG-0090-00003 Rough Grading Details								1	0
			Drwg: 0-CG-0090-00004 Drainage Headwall Details	10/19/2001			4/8/2002		Approved	R1	1	0
			Drwg: 0-CG-0090-00005 Rough Grading Sections								1	0
		*	Drwg: 0-CG-0090-00006 Retaining Wall	8/10/2001						R0 * May not belong in this package		
			Drwg: 0-CD-0100-00001 Storm Water Piping Plan	10/31/2001			4/8/2002		Approved	R2	1	0
			Drwg: 0-CS-0200-00001 Main Access Road	10/19/2001			4/8/2002		Approved	R1	1	0
			Drwg: 0-CS-0300-00001 Railroad Plan & Profile	8/10/2001						R0	1	0
CIVIL-1	2001		Rough Grade Plan Check	8/29/2001					C-9/18/01		1	1
CIVIL-1	2001		Grading Retaining Wall-Geotech Review	9/18/2001					C-10/19/01		1	1
	2001		Geotechnical Report (by Arroyo)	1/12/2002					6/12/2002		1	1
CIVIL-1	2002		Plot Plan - Bechtel C2-0000-00003						C-10/26/02		1	1
CIVIL-1	2003		Engineering Geology Report	10/26/2002						See 2008	1	
CIVIL-1	2004		Engineering Geology Report	10/26/2002						See 2008	1	
CIVIL-1	2004	000146	**Phase 2 - Drainage and Grading**: 4 Drawings	2/28/03 3/14/03				RS HK				
			Drwg: C-071-R0 Rough Grading Plan	approved								
			Drwg: C-072-R0 Drainage Plan	C apvd								
			Drwg: C-073-R0 Foundation Schedule	C apvd								
			Drwg: C-074-R0 Crane Staging Area Plan	info								
	2004	000196	**Phase 2 - Drainage and Grading**: 4 Drawings	09/23/03								
			Drwg: C-072-R1 Drainage Plan	approved								
CIVIL-1	2005		Technical Specification for Earthwork						C-11/15/02		1	1

METCALF DOCUMENT SUBMITTAL RECORD
CALFINE/B&R AND CBO

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				Issued Date	To Check	From Check	Resp' Date	Check By	Status		Rc'd	Rsp'd
CIVIL-1		00020	**Subsurface Investigation & Geology Report:** 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					A-4/4/02		4	4
GEO-2	2008		Engineering Geology Report - Application for Grading Permit						C-1/17/02		1	1
GEO-2	2008	000007	Subsurface Investigation & Foundation Report-Responses to Arroyo's comments	2/15/2002 3/8/2002					Verbal Evans	See 00012 Response Forcast 3/22/02	1	
GEO-2	2008	000012	Subsurface Investigation and Foundation Report-Lettere	3/6/2002					A-3/29/02	Response Forcast 3/22/02 Response Received 3/29/02	1	1
CIVIL-1	2009	000028	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					A-9/26/02 Verbal HK	Disposition dated 10/14/02 Response Forcast CEC	4	4
CIVIL-1	2009	000048	Sediment & Erosion Control Burns & Roe response to comments	7/3/2002					A-9/26/02	Disposition dated 10/14/02	1	1
CIVIL-1	2010	000029	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**	1	1
CIVIL-4	2011	000054	**Site Observation Report:** Dated 7/25/02	07/26/02 No rsp rq'd							1	
CIVIL-4	3052	000126	**Site Observation Report:** Marty Ballod final site visit. Three page document	01/06/2003 No rsp rq'd	01/10/03		01/17/02	HK-DW	resubmitted	Comments from HK faxed to engineer. Report to be discussed at meeting with SG&SM Resident engineer transfer.		
CIVIL-4	3052	000136	**Site Observation Report:** Marty Ballod final site visit. Three page document	01/27/2003 No rsp rq'd	2/4/2003			HK-RS				
CIVIL-4	3052	000156	**Revised Site Observation Report:**	3/24/2003 No rsp rq'd					**Approved**			
CIVIL-1		000004	**Retaining Wall** Superceded by Keystone Blocks	2/6/2002							1	
CIVIL-1	2012	00069	**Retaining Wall** as built drawings 0-CG-0090-0006 Rev 2 2484-C030 Rev. 0	9/13/2002 10/7/2002						Low Priority per JF on 10/9/02 Replaces FCR 0002	2	
CIVIL-1	3022	00037	**Roadway** Drawings C040 Road Geometry Plan Rev. 0 C043 Typical Road Cross Section Rev. 0 C045 PG&E All-Terrain Vehicle Access Partial Plan Rev.0	6/13/2002 6/27/2002		7/10/2002			N-7/1/02		3	0
CIVIL-1	3022	00056	**Roadway** Drawings - Burns & Roe Response to Willdan Comments of 7/1/02	08/02/02 08/22/02					C-10/9/02	Tech Specs Section (Earthwork) should be refered to for all compaction requirements	1	1

METCALF DOCUMENT SUBMITTAL RECORD
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				Issued Date	To Check	From Check	Resp' Date	Check By	Status		Rc'd	Rsp'd
CIVIL-1	3022	00062	**Roadway** Drawings C040 Road Geometry Plan Rev. 2 C043 Typical Road Cross Sections Rev. 2 C045 PG&E All Terrain Vehicle Access, Rev 2	08/21/02 09/12/02					A-10/9/02		3	3
CIVIL-1	3022	00113	**Roadway**: Drwg: C040R3 Drwg: C045R3	12/6/2002							2	2
CIVIL-1	3022	000118	**Roadway:** Letter: Response to CBO Comments: Roadway crosssection Dwg: C043 R3	12/23/02	1/28/03	1/28/03		HK	**Approved Unstamped**		1	
CIVIL-1	2013	000107	**Temporary Construction Facilities**: Drwg# C070-R0	11/25/02	02/04/02	xx	xx	RS	xx	Kirsten Advises not to review because permits are not in place	1	
CIVIL-1	2013	000161	**Temporary Construction Facilities**: Drwg# C070-R1	04/14/03	04/22/03	xx	xx	RS ES	**Under Review**	Needs Lighting added Plus	1	
CIVIL-1	2013	Calpine 00500	**Temporary Construction Facilities**: Drwg# C-070 Modified by Redline for Drainage	09/02/03	09/03/03	09/03/03	xx	RS	**Under Review**	Needs Invert Elevations and much more	1	
CIVIL -1	2013	000000	**Drawings requested by Ralph Sellers**: Provided by Calpine	02/05/03	02/06/03							
			C030-R0 Retaining Wall									
			C070-R1 Temp Const Facilities									
			C035-RA Site Fencing									
			C036-RA Site Fencing									
			C040-R3 Road Geometry									
			C043-R3 Road Cross Section									
			C045-R3 PGE Dirt Roads									
			C050-R1 South Laydown Area									
			C060-R1 Sediment Erosion Control Notes									
			C061-R1 Sediment Erosion Control									

METCALF DOCUMENT SUBMITTAL RECORD CALPINE/B&R AND CBO													
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WILLDAN CBO PROJECT NO. 13254												
Condition of Certification	Pack. No.	CBO No.	Package Title	Review /Approval Dates						Comments or Action Required	Documents	
				Issued Date	To Check	From Check	Resp' Date	Check By	Status		Rc'd	Rsp'd
CIVIL-1	2013	000235	**Final Grading Plan - Phase 3 :** 15 Drawings / Includes Fire Recommenations	02/20/04	02/23/04		05/12/04	RS-GC-DW	Under Review	Greg and Ralph are done with the review. Don to combine comments and revise		
			C-020-R0 Grading and Drainage Plan									
			C-021-R0 Grading and Drainage Details Sheet 1									
			C-022-R0 Grading and Drainage Details Sheet 2									
			C-023-R0 Grading and Drainage Details Sheet 3									
			C-031-R0 Paving Details									
			C-032-R0 Site Details									
			C-033-R0 Drainage Details and Schedules									
			C-034-R0 Drainage Details									
			C-035-R0 Fencing Plan									
			C-036-R0 Fencing Details									
			C-040-R4 Road Geometry									
			C-045-R4 PG&E Vehicle Access									
			C-072-R2 Phase 2 Drainage Plan									
			C-306-R0 Sidewalk Deatails									
			C-309-R0 Guard-rail Details							Responded Verbally on May 12, 2004		

METCALF DOCUMENT SUBMITTAL RECORD CALPINE/BE&R AND CBO

WILLDAN CBO PROJECT NO. 13254

Condition of Certification	Pack. No.	CBO No.	Package Title	Review /Approval Dates: Issued Date	To Check	From Check	Resp' Date	Check By	Status	Comments or Action Required	Documents: Rc'd	Rsp'd
CIVIL-1	2013	000242	**Final Grading Plan - Phase 3 :** 11 Drawings / Includes Fire Recommenations	04/26/04	04/30/04	05/07/04	5/12/04	RS/GC	**99% Ready 4 Approval**	Fire-truck turn-around needs to be Finalized. Otherwise, all is ready for approval		
			C-021-R1 Grading and Drainage Details Sheet 1							Needs to have final submittal by BRE		
			C-022-R1 Grading and Drainage Details Sheet 2							and Calpine		
			C-023-R1 Grading and Drainage Details Sheet 3							Need to have drawings stamped by		
			C-032-R1 Site Details							engineer		
			C-033-R1 Drainage Details and Schedules							Need to revise C021 to show turnaround		
			C-043-R3 Typical Road cross Sections									
			C-035-R1 Fencing Plan									
			C-036-R1 Fencing Details									
			C-040-R5 Road Geometry									
			C-045-R5 PG&E Vehicle Access									
			C-309-R1 Guard-Rail Details									
CIVIL-1	2013	000242-Rev. 1	**Final Grading Plan - Phase 3 :** 11 Drawings / Includes Fire Recommenations	06/02/04	06/04/04	06/11/04	06/11/04	RS	**APPROVED**			
			C-022-R1 Grading and Drainage Details Sheet 2									
			C-023-R1 Grading and Drainage Details Sheet 3									
			C-032-R1 Site Details									
			C-033-R1 Drainage Details and Schedules									
			C-043-R3 Typical Road cross Sections									
			C-035-R1 Fencing Plan									
			C-036-R1 Fencing Details									
			C-040-R5 Road Geometry									
			C-045-R5 PG&E Vehicle Access									
			C-309-R1 Guard-Rail Details									

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SWPPP	Calpine Trans #	01263	**Storm Water Pollution Prevention Plan** Report 35 pages	01/19/04				Don W.		Comments generated by Don Hans met with Steve Fischer		
			SWPPP-R5									

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CIVIL-1	6001	Calpine Transmittal 00272	Linear Facilities: Roadway, Potable Water, Recycled Water, & Sewer 17 Drawings:CH2MHILL preliminary	03/28/03	03/28/03			RS GC		Drawings are for 30% Design	17	0
			G-11 Title Sheet Legends									
			G-2 General Notes									
			G-3 Key Plan Overall View									
			X-1 Typical Cross Sections									
			L-1 Plan & Profile Detail									
			L-2 Plan & Profile Detail									
			L-3 Plan & Profile Detail									
			L-4 Plan & Profile Detail									
			L-5 Plan & Profile Detail									
			L-6 Plan & Profile Detail									
			L-7 Plan & Profile Detail									
			L-8 Plan & Profile Detail									
			L-9 Plan & Profile Detail									
			L-10 Plan & Profile Detail									
			D-1 Contruction Detail									
			SD-1 Standard Details									
			SD-2 Stand Details									
	6001	Calpine Letter 2/17/04	**Linear Facilities**: Roadway, Potable Water, Recycled Water, & Sewer 31 Drawings:CH2MHILL **100% Design**	02/17/04	02/17/04	02/25/04	n/a	RS DW GC	Comments Sent Feb 25	**Comments need Response,**		
			Specification Booklet									
			T-1 Cover Page with Legend									
			G-1 Title Sheet Legends									
			K-1									
			X-1 Typical Cross Sections									
			L-1 Plan & Profile Detail									
			L-2 Plan & Profile Detail									
			L-3 Plan & Profile Detail									
			L-4 Plan & Profile Detail									
			L-5 Plan & Profile Detail									
			L-6 Plan & Profile Detail									
			L-7 Plan & Profile Detail									
			L-8 Plan & Profile Detail									
			L-9 Plan & Profile Detail									
			L-10 Plan & Profile Detail									
			D-1 Contruction Detail									
			D-2									
			CD-1 Standard Details									
			CD-2 Stand Details									
			CD-3 Stand Details									
			CD-4 Stand Details									

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				Issued Date	To Check	From Check	Resp' Date	Check By	Status		Rc'd	Rsp'd
			CD-5 Stand Details									
			CD-6 Stand Details									
			CD-7 Stand Details									
			CD-8 Stand Details									
			CD-8 Stand Details									
			CD-9 Stand Details									
			EC-1									
			EC-2									
			EC-3									
			B-1									
			B-2									
			B-3									

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				Issued Date	To Check	From Check	Resp' Date	Check By	Status		Rc'd	Rsp'd
	6001		**Linear Facilities**: Roadway, Potable Water, Recycled Water, & Sewer 31 Drawings:CH2MHILL **100% Design**	06/17/04	06/17/04	6/18/2004	6/18/2004	DW/HK	APPROVED	Second set of 100% Design Mylar Drawings, Hand delivered by Mark Smolley on 6-17-2004.		
			Specification Booklet									
			T-1 Cover Page with Legend									
			G-1 Title Sheet Legends									
			K-1									
			X-1 Typical Cross Sections									
			L-1 Plan & Profile Detail									
			L-2 Plan & Profile Detail									
			L-3 Plan & Profile Detail									
			L-4 Plan & Profile Detail									
			L-5 Plan & Profile Detail									
			L-6 Plan & Profile Detail									
			L-7 Plan & Profile Detail									
			L-8 Plan & Profile Detail									
			L-9 Plan & Profile Detail									
			L-10 Plan & Profile Detail									
			D-1 Contruction Detail									
			D-2 Plan Detail									
			CD-1 Standard Details									
			CD-2 Stand Details									
			CD-3 Stand Details									
			CD-4 Stand Details									
			CD-5 Stand Details									
			CD-6 Stand Details									
			CD-7 Stand Details									
			CD-8 Stand Details									
			CD-8 Stand Details									
			CD-9 Stand Details									
			EC-1 Temp. Erosion Control Potable Water									
			EC-2 Temp. Erosion Control/ Access Rd/ Sanitary Sewer									
			EC-3 Temp. Erosion Control Notes and Details									
			B-1 Log of Borings									
			B-2 Log of Borings									
			B-3 Typical Cross Sections									
CIVIL-1	6002	Calpine Letter 3/1/04	**Linear Facilities**: Roadway, Potable Water, Recycled Water, & Sewer CH2MHILL **Hydrology Report** 34 Pages	03/03/04	03/03/04	03/08/04	n/a	RS DW GC HK	Approved	Returned by Don - approved as noted. Needs Stamp		
CIVIL-1		Calpine Trans. No. 2003	**Coyote Meter Station**	04/22/04			05/26/04			Design of fence grounding not provided.		
			CMS-GO-2, Rev. 4 Index									
			CMS-GO-1, Rev. 4 Cover Sheet									

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			GMS-G1-1, Rev. 1, Site Plan									
			CMS-MO-O, Rev.4, Process, Piping & Instrment-Legends									
			CMS-MO-1, Rev. 4, Process Flow Diagram									
			CMS-MO-2A, Rev. 4, Main Gas Supply									
			CMS-MO-2B, Rev., 4, Remove Shutoff Valve Controls									
			CMS-P5-1, Rev., 4 Main Gas, CPN Natural gas Fac.									
			CMS-P5-2, Rev., 4, Piping Sec. Main Gas, CPN Natural Gas Facilities									
			CMS-P5-3, Rev., 4, Piping Isometric Details									
			CMS-P5-4, Rev., 4, Piping Fabrication Details									
			CMS-P5-5, Rev. 2, Piping Details Pig Launcher									
			CMS-P5M-1, Rev. 4, Piping Bill of Materials									
			CMS-P5M-2, Rev. 4, Piping Bill of Materials									
			CMS-C1-1, Rev. 4, Structure Plan, Pipe Supports									
			CMS-C1-2, Rev. 1, Structure Details, Pipe Supports									
			CMS-C1-3,Rev. 1, Structure-Details, Pipe Supports									
			CMS-C1-4, Rev. 1, Structure-Details, Pipe Supports									
			CMS-C1-5, Rev. 3, Structure- Details, Pipe Support									
			CMS-C1-6, Rev. 4, Site Improvement Plan, Grading & Fencing									
			CMS-C1-7, Rev. 4, Site Improvement-Details, Fencing									
CIVIL-1		Calpine Trans. No. 2003	**Gas Regulator Station**				5/26/2004			Design of fence grounding not provided.		
			MEC-GO-1, Rev 7., Cover Sheet MEC Gas Regulator									
			MEC-GO-2, Rev 7., Gas Regulator Station									
			MEC-G1-1, Rev 6, Site Plan									
			MEC-G1-2, Rev 6, Gas Pipeline facilities									
			MEC-MO-0, Rev. 4, Process, Piping & Instrument/Legends									
			MEC-MO-1, Rev. 4, Process Flow Diagram									
			MEC-MO-2A, Rev. 4, Piping & Instrument Diagram									
			MEC-MO-2B, Rev. 4, Piping & Instrument-Diagram									
			MEC-MO-2C, Rev. 4, Remote Shutoff Valve Controls									
			MEC-MO-2D, Rev. 4, Air Supply & Distribution									
			MEC-P1-1, Rev 7, Piping Plot Plan									
			MEC-P3-1, Rev. 6, Plan/Profile, 16" Gas Supply Line									
			MEC-P3-2, Rev. 7, Plan/Profile, 16" Gas Supply Line									
			MEC-P5-1, Rev. 6, Main Gas, Processing Area									
			MEC-P5-2, Rev. 6, Main Gas, Gas Processing Area									
			MEC-P5-3, Rev. 6, Main Gas, Gas Processing Area									
			MEC-P5-4, Rev. 6, Main Gas, Gas Processing Area									
			MEC-P5-5, Rev. 6, Main Gas, Gas Processing Area									
			MEC-P5-6, Rev. 6, Main Gas, Gas Processing Area									
			MEC-P5M-1, Rev.6, Main Gas, Gas Processing Area									
			MEC-P5M-2, Rev. 6, Main Gas, Gas Processing Area									

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			MEC-P7-1, Rev.4 Main Gas, Gas Regulator Area									
			MEC-P7-2, Rev. 4, Main Gas, Gas Regulator Area									
			MEC-P7-3, Rev. 4, Main Gas, Gas Regi;atpr Area									
			MEC-P7-4, Rev. 4, Main Gas, Gas Regulator Area									
			MEC-P7-5, s1, Rev. 3, Main Gas, Gas Regulator Area									
			MEC-P7-5 s2, Rev. 3, Main Gas, Gas Regulator Area									
			MEC-P7-6, Rev. 3, Main Gas, Gas Regulator Area									
			M EC-P7M-1, Rev. 3, Main Gas Main Regulator Area									
			MEC-P7M-2, Rev. 3, Main Gas, Gas Regulator Area									
			MEC-C1-1s1, Rev. 3, Structure Arrangement Gas Processing Area, Gas Reg. Station									
			MEC-C1-1s2, Rev. 3, Structure-Arrangement, Gas Regulator Area, Gas Regulator Station									
			MEC-C1-2s1, Rev. 3, Structure-Details, Gas Processing Pad									
			MEC-C1-2s2, Rev. 3, Structure-Details, Gas Regulator Pad, Gas Reg. Station									
			MEC-Cl-3, Rev. 3, Structure-Details, Equip. Supports, Gas Reg. Station									
			MEC-C1-4s1, Rev. 3, Structure-Details, Pipe Supports, Gas Reg. Station									
			MEC-C1-4s2, Rev. 3, Structure-Details, Pipe Support, Gas Reg.									
			MEC-C1-4s3, Rev. 1, Sturcute-Details, Pipe Supports, Reg. Station									
			MEC-C1-5, Rev. 3, Structure-Details, Bollards, Gas Reg, Stations									
			MEC-C2-1, Rev. 3, Structure-Details, Trench, Excavation & Backfilling									
CIVIL-1		Calpine Trans. No. 2003	**CPN 16-INCH O.D. GAS PIPELINE INSTALL**									
			MGP-GO-1, Rev., 4, 16" Natural Gas Pipeline									
			MGP-GO-2, Rev. 4, 16" Natural Gas Pipeline									
			MGP-Mo-1, Rev. 4, Process Flow Diagram									
			MGP-P1-1 , Rev. 4, Pipeline Route									
			MGP-P3-1, Rev. 4, Pipeline-Plan & Profile									
			MGP-P3-2, Rev.4, Pipeline-Plan & Profile									
			MGP-P3-3, Rev. 4, Pipeline-Plan & Profile									
			MGP-P4-1, Rev. 4, Pipeline- Details									
			MGP-P4-2, Rev. 4, Pipeline Details									
			MGP-P4-3, Rev. 3, Pipeline Details									
			MGP-P4M-1, Rev. 4, Piping Bill of Materials									
			CMS-G1-1, Rev. 4, Site Plan									
			MEC-G1-1, Rev. 6, Site Plan									
			CPD-1, Rev. 0									
			CPD-2, Rev.0, CPD-5, Rev. 2									

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				Issued Date	To Check	From Check	Resp' Date	Check By	Status		Rc'd	Rsp'd
											Total:	Total:
A - Approved				P - Approved upon sign-off by Engineer, Inspector or Geotech, or other Third Party indicated by CBO.							71	27
I - Accepted as for information only				D - Discussion pending between CBO, Engineer, Geotech, Inspector or other party								
N - Not approved, returned with comments.				H - On hold by Mortenson/Calpine								
C - Approval Conditioned upon submittal of addt. Info.or replacement				R - Reversal of approval pending resolutions from outside agencies.								

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				Issued Due	To Checker	From Checker	Response	Plan Check	Status		Submitted	Response		
STRUC-1		00005	**CTG & STG** Foundation Piling Drawings S110 Composite Pile Plan Rev A S111 Pile Sections and Details S200 CTG Pedestal Pile Location Plan S240 STG Pedestal Pile Location Plan	02/06/02 02/27/02	03/21/02	03/29/02			A-3/29/02		4	4		
STRUC-1		00006	**Spec's for concrete** curing, forming & Grout 03100, 03390 & 03600 Rev. A	2/15/02 03/8/02		03/15/02	See 00017		03/15/02					
STRUC-1		00011	**CTG, STG & HRSG** Pile Calculations	2/28/02 3/21/02	03/21/02	03/29/02			A-3/29/02		3	3		
STRUC-1		00013	**Overdue Response Notification** CBO 0005, 0006, 0007	03/11/02			Resp to 00005,00006, 00007							
STRUC-1	3001		**HRSG** Foundation and Lateral calculations	08/09/01					C-9/28-01					
STRUC-1	3001		**HRSG** Structural Calculations	11/01/02					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	**Piling Specs** (test piles) , 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. 0	01/31/02		03/01/02	See 00015		C-3/1/02		6	6		
STRUC-1	3002	00015	**Piling Specs** (test piles) 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. D	03/14/02 03/21/02	03/21/02	03/29/02			A-3/29/02		6	6		
STRUC-1	3002	00089	**WaterPipe** Specification 03300 Dwg. For Circ. Water Pipe Support Frame	10/29/02 11/19/02							1			
STRUC-1	3002	000153	**Piling Specs:** 1 Specification Spec# 02472-R4 Concrete Filled Pipe Piles	3/11/03 3/24/03				BB HK			1			
STRUC-1	3004		Report on Seismic Design Motions						03/14/02		1			
STRUC-1	3006		**Concrete Specs:** 3 Documents Concrete formwork Curing & Grout Spec 03100, Concrete Curing Specs 03390 Rev. A and Grout, Spec 03600 Rev.A.	01/31/02					A-3/26/02		3	3		
STRUC-1	3006	00017	Spec's for concrete curing, forming & Grout 03100, 03390 & 03600 Rev. A	3/20/02 4/10/02					A-3/26/02		3	3		
STRUC-1	3007		Design Report for W501F Exhaust System Difuser						A-4/24/02		1	1		
STRUC-1	3009	00008	**HRSG Piles:** Pile Location Plan S300	02/20/02 03/13/02	03/21/02	03/29/02			A-5/15/02		1	1		
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 R	03/13/02 04/3/02	04/03/02	04/04/02	See 00031		C-4/3/02		5	5		
STRUC-1	3010	00031	**Gas Turbine** Document - Calculations and other documentation and Siemens Westinghouse response to Willdan's 4/3 Comments Dwg 17-001-HR.R1	5/17/2002					A-5/31/02					
STRUC-1	3010	00071	**Siemens Westinghouse:** Dwg 17-001-HR.R2 General Arrangement 501FD Inlet Silencer System.	9/18/2002 10/10/2002							1			

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STRUC-1	3011	00016	Specs 01410 Rev. B -Testing Laboratory Services	3/18/2002 4/8/2002					A-4/8/02		1	1		
STRUC-1	3012	00018	**Civil Structural Design** Criteria	3/20/2002 4/10/2002		4/18/2002	as CBO 00026		N-4/18/02		1	NA		
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		1	1		
STRUC-1	3012	000018	**Civil/Structural Design** Criteria				See 00018 & 00026		A-5/15/02		1	1		
STRUC-1	3012	000082	**Civil/Structural Design** Criteria Rev. 1	10/3/02 10/24/02					A-11/7/02		1	1		
STRUC-1	3013	000019	**Gen. Notes & Typical Detail Drawings** S101, S680, S685, S690, S980, S981, S984, S985, S988, S989, S991,S993 & S997 Rev.0	04/29/02	4/23/2002				A-4/30/02		13	13		
STRUC-1	3013	000027	**Gen. Notes & Typical Detail Drawings** S101, S680, S685, S690, S980, S981, S984, S985, S988, S989, S991, S993 & S997 Rev.A	4/29/02 5/20/02					A-4/30/02		13	13		
	3013	000219	**General Notes & Typical Details Structural:** One Drawing	11/21/04			12/16/04	BB	**Approved**	**Modified based on CBO copmments from Otay Mesa**				
			S-101-R1 General Notes											
STRUC-1	3014	00022	**CTG, STG, HRSG Piles** Calculations Concrete Filled Pipe Piles, 02484-001-06-001 Rev. O Combust Turb Found Unit 1, 02484-001-06-004 Rev. O Steam Turb Ped Found, 02484-001-06-005 Rev. O Mat Foundation for HRSG and Stack Unit 1, 02484-001-06-001 Rev. O Compos	4/4/02 4/25/02		04/26/02	see 00029		A-5/8/02	Sent to JL (Industry 10/4) Approved Disposition dated 8/31/02	4	4		
STRUC-1	3014	00082	**Composite Pile Plan:** Drawing S110-R1	10/3/02 10/24/02					A-11/7/02	Sent to E. Moran / Hans and Bart's review -- get latest draw	1	1		
STRUC-1	3014	000135	**Composite Pile Plan:** Drawing S110-R2 Pile Section Detai Drwg S111-R1	01/27/03 02/27/03	To Checker 1/29/03			GJ BB HK	**Approved Unstamped**	**HK to Review and Approve**				
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	4/12/02 5/03/02					A-5/16/02		6	6		
STRUC-1	3016	00021	200 Gal. Reservoir Hydraulic Power Unt/Seismic Calc.	04/02/02 04/23/02					A-5/10/02		1	1		
STRUC-1	3017	00024	**CTG Foundation:** 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	4/16/02 5/07/02		05/31/02			A-5/31/02	Approved with 2010 Approved Disposition dated 10/22/02	5	5		
STRUC-1	3017	00073	**CTG:** Revisions and Resubmittal with the new Pile capacities - Calculations for CTG foundations Calculation 02484-001-06-004Rev 1 Dated 9/13	9/19/02 10/3/02				JL	A-10/22/02	see 00072	1	1		
STRUC-1	3017	00095	**CTG Foundation** S205 Combustion Turbine Generator Units 1 & 2 Foundation Plan, Rev. 1 dated 10/29/02	11/5/02 11/26/02				hold		BB to research correspondence - Done Confirmed Pile Design Approved 4/09/03	1			

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STRUC-1	3017	000177	**CTG Foundation:** 2 Drawings	07/09/03	not yet					BB found that S-205-R1 is a embedment dimensional drawing only and does not require CBO approval	2	0		
			S205-R2 CTG 1&2 Foundation Plan											
			S208-R1 CTG 1&2 Section Details											
STRUC-1	3017	000179	**CTG Circuit Breaker Platform:** 2 Drawings	07/22/03	not yet						2	0		
			S880-R1 CTG #1 Circuit Breaker Platform Sections and Details											
			S881-R1 CTG #2 Circuit Breaker PlatformSections and Details											
STRUC-1	3018	00030	**Pile Testing** Revised doc. - ECN 001 Revisions for Specs 02473, Drwg S108, S109,	05/07/02			see 3037		A-5/15/02	Superceded by 3037	4	4		
STRUC-1	3018	00032	Doc. Review by Lowney Accociate - ECN 001	05/20/02			see 3037		NA	Superceded by 3037	1	NA		
STRUC-1	3018	00040	**Pile Testing** Revised documents ECR 003 Spec 02472 Concrete-filled pipe piles Rev.1 S108, Pile Load Test Plan Rev 2 S109, Test Pile Sections and Details, Rev 2	6/20/02 6/25/02			see 3037			Superceded by 3037	4			
STRUC-1	3018	00044	**Pile Test Program:** Revised Documents - Drwg S108, Pile Load Test Plan, Rev.3	6/27/02 7/19/02		07/23/02	see 3037		7/23/2002	Superceded by 3037 4 sets of S108-R3 in trailer on 7-23-03	2			
STRUC-1	3018	00059	**Pile Test Program:** (ECR No. 004) Revisions to pile test program base on the test results obtained to date.	8/6/02 8/27/02			see 3037		A-9/26/02	Superceded by 3037	1			
STRUC-1	3019	00033	**Specification:** 3 Documents	5/24/02 6/14/02					A-6/14//02		3	3		
			Spec# 01410-R0, Testing Laboratory Services											
			Spec# 05120-R0, Structural Steel											
			Spec# 13121-R0, Pre-Engineered Buildings											
STRUC-1	3019	000181	**Specification:** 1 document	07/29/03						Packet has 2 documents. See 3025-000181 for other doc				
			Spec# 05120-R2, Structural Steel											
STRUC-1	3020	00034	Moved to Section **3023 STG Platform Foundation**											

METCALF DOCUMENT SUBMITTAL RECORD CALPINE/S&R AND CBO

WILLDAN CBO PROJECT NO. 13254

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				Issued Due	To Checker	From Checker	Response	Plan Check	Status		Submitted	Response
STRUC-1	3020	00035	**STG Platform Calcs**	Void				JL	Void			
STRUC-1	3020	00066	**STG Platform** Calcs 0284-001-06-029 Rev 0 S701, S705, S706, S750, S751, S752, S765, S766, S775, S776, S800, S805, S810, S830 Rev. 0	8/30/02 9/23/02				JL	10/8/02will resubmitt	10/4 to City of Industry	15	15
STRUC-1	3020	00087	**STG Platform:** 1 Calc, 25 Drawings	10/28/02 11/18/02	11/06/02	11/19/02	Approval To Eng 01/23/03	JL	**Approved Unstamped**	Includes Calc's for Circ-water pipe supt drwg in 3041-000090 Response from checker was misplaced for a while. Engineer inquiry 1/2103	26	26
			Calc 02484-001-06-029 R1, Steam Turbine Generator Platform									
			S700-R0, Structural Steel Drawing List									
			S701-R1, STG Platform Framing Plan at Elevat 295'-01/2"									
			S705-R1, STG Platform Framing Plan at Elevat 295'-6"									
			S706-R1, STG Platform Framing Plan at Elevat 279'-81/2"									
			S707-R0, STG Platform Mezzanine Level Partial Plan									
			S708-R0, STG Platform Mezzanine Level Partial Plan									
			S750-R1, STG Platform Elevatio Along Col. Lines 1, 1.5 &2									
			S751-R1, STG Platform Elevation Along Col Lines 3 & 4									
			S765-R1, STG Platfrm Girt Elev At Col. Line 1,1.5, D, 2&C.4									
			S766-R1, STG Platfrm Girt Elevat Along Col. Lines G & 4.8									
			S775-R1, STG Platform Elevat Along Col. Lines A,B,C&C.4									
			S776-R1, STG Platform Elevat Along Col. Lines D, E, F & G									
			S800-R1, STG Platform Column Schedule									
			S805-R1, STG Platform Base Plate Details									
			S810-R1, STG Platform Steel Sections & Details									
			S811-R0, STG Platform Steel Sections & Details									
			S812-R0, STG Platform Steel Sections & Details									
			S813-R0, STG Platform Steel Sections & Details									
			S830-R1, STG Platform Stair #1 Plans									
			S831-R0, STG Platform Stair #2 Plans									
			S832-R0, STG Platform Stair #3 Plans									
			S833-R0, STG Platform Stair #1 Plans									
			S835-R0, STG Platform Stair #1 Sections									
			S836-R0, STG Platform Stair #1 Sections									
			S837-R0, STG Platform Stair #1 Sections									
STRUC-1	3020	000163	**STG Platform:** 28 Drawings (this bach was revised by BREI	4/22/03 5/06/03	04/29/03	05/31/03		GJ	**Approved by Checker**	GJ Sent to JL in City of Industry. Approved by Steve Windmayer CBO needs make Disposition and inform	28	28
			S700 - R1 Structural Steel Drawing List									
			S701 - R2 Framing Plan									
			S705 - R2 Framing Plan									
			S706 - R2 Framing Plan									
			S707 - R1 Mezzanine									
			S708 - R1 Mezzanine									
			S709 - R0 Checkered Plate									
			S715 - R2 Pedestal Access Platform									
			S750 - R2 Elevations along Column line									
			S751 - R2 Elevations along Column line									
			S752 - R2 Elevations along Column line									
			S765 - R2 Girt Elevations									
			S766 - R2 Girt Elevations									
			S770 - R0 Removable Panel Details									
			S771 - R0 Removable Panel Details									
			S775 - R2 Elevations along Column line									
			S776 - R2 Elevations along Column line									
			S805 - R2 Base Plate Details									
			S810 - R2 Steel Sections									
			S811 - R1 Steel Sections									
			S812 - R1 Steel Sections									
			S813 - R1 Steel Sections									
			S830 - R2 Stair #1									

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				Issued Due	To Checker	From Checker	Response	Plan Check	Status		Submitted	Response		
			S831 - R1 Stair #2											
			S832 - R1 Stair #3											
			S835 - R1 Stair #1 Section											
			S836 - R1 Stair #2 Section											
			S837 - R1 Stair #3 Section											
STRUCT-1	3020	000205	**Drawings & Calculations for Steam Turbine Platform**		10/22/2003									
			S835, Reb. 2, Steam Turbine Platform Stair #1											
STRUCT-1	3020	000215	**Drawings for Steam Turbine Platform**		11/12/2003									
			A205, Rev. 0, Ground Floor Plan											
			A206, Rev. 0, Mezz. Floor Plan											
			A240, Rev. 0, Wall Elevations											
			A251,I Rev. 0, Wall Elevations											
			A255, Rev. 0 Wall Sections											
			A260, Rev. 0, Typ Penetration Details											
			A275, Rev. 0, Door & Hardward Schedule											
STRUCT-1	3020	000222	**Steam Turbine Platform**		12/5/2003									
			S751, Rev. 3, Steam Turbine Platform Elevations											
			S765, Rev. 3, Steam Turbi8ne Platform Girt Elevations											
			S812, Rev. 2, Stream Turbine Platform Steel Sec. & Details											
STRUCT-1	3020	000237	**Steam Turbine Platform**		3/15/2004									
			S701, Rev. 4, Platform Framing Plan											
			S708, Rev. 2, Platform Operating & Mezz Level Part Plan											

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Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates						Comments - Action Required	Documents			
				Issued Due	To Checker	From Checker	Response	Plan Check	Status		Submitted	Response		
STRUC-1	3021	00036	**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	6/27/02 7/10/02				JL	N-7/10/02		3			
STRUC-1	3021	00049	**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	07/09/02				HK		Sent to JL (Industry 10/4)	1			
STRUC-1	3021	00093	Design Calculations for Vacuum Pump Skid for Main Steam Condenser - SC-26787-CBO	11/01/02							5			
STRUC-1	3021	00106	**Siemens Westinghouse** Calculation Revisions 1.) CTG Pipe rack structure SWPC-CM-007 2.) Design & load calculations for ST lube oil module 43237-LOAD 3.) Design &load Calc for leakproof Steam Skid 43277-LOAD 4.)W501F Turbine Enclosure Structure DA 182 5.)Condenser	11/21/02							1			
STRUC-1	3021	00108	**Siemens Westinghouse** Doc. Condition of Certification 1.) Steam Turbine Cross-over Pipe Calculations SWPC# 000-000-140-477	11/25/02							3			
STRUC-1	3021	00178	**Siemens Westinghouse:** Gland Seal Condenser 1 Calculation	07/11/03	no yet						1			
			Calc: Howard Martin # 43225-Load											
STRUC-1	3022	00037	**Roadway:** Moved to CIVIL Section	00/00/00 00/00/00							1	1		
STRUC-1	3022	00056	**Roadway:** Moved to CIVIL Section	08/02/02 08/22/02							3	3		
STRUC-1	3022	00062	**Roadway:** Moved to CIVIL Section	08/21/02 09/12/02							2	2		
STRUC-1	3022	00113	**Roadway:** Moved to CIVIL Section	12/6/2002 00/00/00										
STRUC-1	3022	000118	**Roadway:** Moved to CIVIL Section	12/23/02 01/07/03							8	8		
STRUC-1	3020	00034	**STG Platform Piles:** Drawings and Calculations 02484-001-06-028 STG Foundation Rev. 0 S120 STG Pile Plan, Rev. 0				see00066 10/7/02	JL	6/24/2002	Approved but it was resubmitted as 3023 STG Platform Foundation Approved before Soil Analysis Change	2	2		
STRUC-1	3023	00038	**STG Platform Foundation:** 7 Drawings: 1 Calculation	6/19/02		07/23/02	07/23/02	DN		David Newman responded with 8 comments	8	8		
			Calc: 02484-001-06-028, R1 STG											
			S120-R1, Steam Turbine Platform Pile Plan											
			S125-R0, Steam Turbine Platform Foundation Plan											
			S135-R0, Steam Turbine Platform Pile Cap Details											
			S190-R0, Steam Turbine Platform Sections & Details											
			S191-R0, Steam Turbine Platform Sections & Details											
			S192-R0, Steam Turbine Platform Anchor Bolt Schedule											
			S193-RO, Steam Turbine Platform Enlarged Foundation Plan								4	4		
STRUC-1	3023	00061	**STG Platform Foundation:** 1 Letter, 1 Calc, 2 Drawings	8/15/02	10/04/02			JL		BREI responds to DN comments				
			Letter: 8/15/02 Response to CBO comments											
			Calc: 02484.001-06-028 R2, STG Platform Foundation Design											
			S125-R1, Steam Turbine Platform Foundation Plan											
			S190-R0, Steam Turbine Platform Sections & Details								7	7		

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				Issued Due	To Checker	From Checker	Response	Plan Check	Status		Submitted	Response		
STRUC-1	3023	00088	**STG Platform Foundation:** 6 Drawings, 1 Calc.	10/28/02	11/06/02			EM GJ	**Approved Unstamped**	**Calcs only to GJ on 11/6/02 Pile Plans approved**				
			Calc: 02484-001-06-028, R3 STG Platform Foundation Design											
			S120-R2, Steam Turbine Platform Pile Plan											
			S125-R2, Steam Turbine Platform Foundation Plan											
			S135-R1, Steam Turbine Platform Pile Cap Details											
			S190-R2, Steam Turbine Folundation Sections & Details											
			S191-R1, Steam Turbine Foundation Sections & Details											
			S192-R1, Steam Turbine Platform Anchor Bolt Schedule								1	1		
STRUC-1	3023	00096	**STG Platform Foundation** Plan, Dated 11/01/02 S193-R1	11/5/02 11/26/02	11/06/02			EM GJ		Approved see Below	2	2		
STRUC-1	3023	00103	**STG Platform Foundation:** Response by Burns and Roe, Revised Drawing	11/03/02 12/04/02	01/15/03			GJ		Approved see Below				
			Letter: 11/13/02 Response to CBO comments											
			S192-R2, Steam Turbine Platform Anchor Bolt Schedule								14			
STRUC-1	3023	000131	**STG Platform Foundation:** 1Letter, 2 Calc, 11 Drawings	01/17/03 02/07/03	01/23/03	02/06/03	07/09/03	GJ	**Approved 7/09/03**					
			Calc. 02484-001-06-039, R0 Design of Slab STG	Pending										
			Calc. 02484-001-06-040, R0 STG Stair Tower- Foundation	Approved										
			S120-R0, STG Platform Pile Plan	Approved										
			S125-R3, STG Platform Foundation Plan	Approved										
			S135-R2, STG Platform Foundation Pile Cap Details	Approved										
			S160-R0, STG Area Slab Plan At E1.255'-6" 1/17/03	Approved										
			S161-R0, STG Area Enlarged Slab Plan '1'At E1.255'-6"	Approved										
			S162-R0, STG Area Enlgared Slab Plans '2' & '3' At E1 255'6"	Approved										
			S170-R0, STG Area Slab Plan At E1. 295'-0 1/2" (Oprting Floor)	Approved										
			S171-R0, STG Area Elevated Slab Details (Operating Floor)	Pending										
			S190-R3, STG Platform Foundation Sections & Details	Approved										
			S191-R3, STG Platform Foundation Sections & Details	Approved										
			S192-R3, STG Platform Anchor Bolt Schedule	Approved										
STRUC-1	3023	000173	**STG Platform Foundation:** 2 Drawings	6/10/03		6/27/03	7/9/03	GJ			2	2		
			S171-R1, STG Area Elevated Slab Details (Operating Floor)											
			S193-R2, Steam Turbine Platform Enlarged Foundation Plan											
STRUC-1	3023	000180	**STG Platform Foundation:** 2 Drawings	7/22/03	not yet									
			S171-R2, STG Area Elevated Slab Details (Operating Floor)											
			STG Platform Foundation : 3 Calcs and 12 Drawings Active Drawings and Calcs for Final CBO Binder											
			Calc: 02484-001-06-028, R3 STG Platform Foundation Design	Approved	Active									
			Calc. 02484-001-06-039, R0 Design of Slab STG	Pending	Active									
			Calc. 02484-001-06-040, R0 STG Stair Tower- Foundation	Approved	Active									
			S120-R3, STG Platform Pile Plan	Approved	Active									
			S125-R3, STG Platform Foundation Plan	Approved	Active									
			S135-R2, STG Platform Foundation Pile Cap Details	Approved	Active									
			S160-R0, STG Area Slab Plan At E1.255'-6" 1/17/03	Approved	Active									
			S161-R0, STG Area Enlarged Slab Plan '1'At E1.255'-6"	Approved	Active									
			S162-R0, STG Area Enlgared Slab Plans '2' & '3' At E1 255'6"	Approved	Active									
			S170-R0, STG Area Slab Plan At E1. 295'-0 1/2" (Oprting Floor)	Approved	Active									

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				Issued Due	To Checker	From Checker	Response	Plan Check	Status		Submitted	Response	
			S171-R0, STG Area Elevated Slab Details (Operating Floor)	Pending	Active								
			S190-R3, STG Platform Foundation Sections & Details	Approved	Active								
			S191-R3, STG Platform Foundation Sections & Details	Approved	Active								
			S192-R3, STG Platform Anchor Bolt Schedule	Approved	Active								
		++	S193-R2, Steam Turbine Platform Enlarged Foundation Plan	Approved	Active								
STRUC-1	3023A	00065	**STG Access Stair:** 1Drawing, 1 Calc.	09/20/02		12/19/03		GJ					
			Calc. 024-001-06-030 Exciter Access Stairs & Platform										
			S720-R0, Exciter Access Platforms Plan Sections & Details								2	2	
	3023A	000133	**STG Access Stair:** 1 letter, 1 drawing	01/17/03 02/07/03	01/29/03	02/06/03		GJ	**Checker Approved**				
			Letter: 11/15/03 Response to CBO Comments										
			S720-R1, Access Platform								2	NA	
STRUC-1	3024	00039	**Visual Screen Foundation:** Design Loads - Calculations and Drwg SS-1A, Foundation Load Plan	6/20/02 7/12/02		07/23/02	See 00068		N-7/23/02		10		
STRUC-1	3024	00058	**Visual Screen:** Detail Calculations and Dwgs SS1 to SS9	8/02/02 8/23/02						Need comments back, more detail	1	1	
STRUC-1	3024	00068	**Visual Screen:** Burns & Roe Response to Willdan-David Newman Foundation Load Plan drwg SS1-A	09/06/02 09/27/02	To Check 10/29/02	From Check 10/30/02		GJ EM	**Approved Unstamped**	Bart found approval comments 1/29/03	11	11	
STRUC-1	3024	000134	**Visual Screen:** 1 Calc, 10 Drwgs: Calculation GGHL# 201044.03 SS-1.Rev 1 Foundation Plan SS-1A.Rev 1 Foundation Foundation Load Plan SS-2. Rev 1 Foundation Plate Details - **Not Approved** SS-3. Rev 1 Foundation Pile Cap Detail PC-8C SS-4. Rev 1 Foundation Pile Cap Detail PC-8A & Pile Section SS-5. Rev 1 Foundation Pile Cap Detail PC-6A SS-6. Rev 1 Foundation Pile Cap Detail PC-8B SS-7. Rev 1 Foundation Pile Cap Detail PC-8D SS-8. Rev 1 Foundation Pile Cap Detail PC-20A SS-9. Rev 1 Piers on Two HRSG Bases - ~~Not~~ **Approved**	01/21/03 02/11/03	1/29/2003	01/31/03	03/12/03	GJ	Partial Approval	**Status:** 14" Pile Design Approved Basic Foundation Piers Approved **Required:** Base Plate Calculations (SS-2 Not Approved) ~~Calculation of HRSG #2 Foundation~~ (SS-9 ~~Not~~ Approved)	2	2	
STRUC-1	3025	00041	**Specifications:** 3 Documents	6/24/2002					A-7/23/02	Will resubmit 2 copies	6		
			Spec# 02721-R0 Aggregate Base Course										
			Spec# 02740-R0 Asphalt Paving										
			Spec# 03200-R1 Concrete Reinforcement										
STRUC-1	3025	000181	**Specifications:** 1 Document	07/29/03						Packet has 2 documents. See 3019-000181 for other doc			
			Spec# 03200-R2 Concrete Reinforcement										
			Spec# 05120-R2 Structural Steel										
STRUC-1	3026	00042	**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 L	06/26/02	To Check 10/04/02			JL		Sent to JL (Industry 10/4) May have been returned. Needs "Black-Box" review	1	1	

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STRUC-1	3027	00043	**Cooling Tower** calcs Rev. 0	6/27/02 7/22/02		7/23/2002			N-7/23/02	Rejected	8	8		
STRUC-1	3027	00060	**Cooling Tower Foundation:** Burns & Roe response to 00043	8/12/02 9/04/02	10/10/02		see CBO 00076		10/10/02 superceded		7	7		
			Calculations 02484-001-06-010 Rev 1											
			S350 ,R-1 Pile Plan											
			S351, R-1 Pile Plan											
			S352, R-1 Pile Plan											
			S355, R-1 Foundation Plan											
			S356, R-1 Foundation Plan											
			S356, R-1 Foundation Plan											
			S357, R-1 Foundation Plan											
			S363, R-1 Sections & Details											
STRUC-1	3027	00076	**Cooling Tower:** Dwgs & Calc. Cooling tower Basin redesign for pile capacity	10/9/2002					C-10/15/02	Conditionally approved by Don Wimberly Approved Disposition dated 10/22/02	5	5		
			Calcs 02484-001-06-010 Rev 2											
			S350 ,R-2 Pile Plan											
			S351, R-2 Pile Plan											
			S352, R-2 Pile Plan											
			S355, R-2 Foundation Plan											
			S356, R-2 Foundation Plan											
			S363, R-2 Foundation Sections & Details											
STRUC-1	3027	00094	**Cooling Tower:** Piles in Pump Pit Area and Inlet Header Foundations Cooling Tower Pile	11/04/02 11/18/02	To Checker 11/08/02	Fro Check 11/13/02	To Engineer 11/13/02	EM GJ	**Approved Unstamped**	CT Piles (less pump pit area) were approved via BB e-mail on 11/13/02 with comments resulting in correspondence. Pump-Pit Piles were Oked by GJ e-mail of 11/15/02 and via EM e-mail on 11/19/02.	8	8		
			Pump Pit Found Calcs 02484-001-06-011 Rev. 0											
			Circ Wate Pipe Support Calcs 02484-001-06-034 Rev. 0											
			S350, R-3 Pile Plan											
			S351, R-3, Pile Plan											
			S352, R-3, Pile Plan											
STRUC-1	3027	000101	**Cooling Tower** Structure & Foundations dated 11/01/02	11/07/02 11/29/02	To Checker 11/13/02	Fro Check 11/18/02	To Engineer 11/25/02	EM GJ	Re-designed	Pump pit structure comments were significant. Pump area was re-designed and submitted on CBO #000117 on	6	6		
			Calcs 02484-001-06-011submitted in previous packet.											
			S360,R-0- Foundation Plan											
			S361,R-0 Operating Floor Plan											
			S364,R-0 Structure Section & Details											
			S365,R-0 Pump Structure Foundation Sections											
			S366,R-0 Structure Sections & Details											
			S367,R-0 Trash Screen Details											
			S368,R-0 Stop Gate Details											
STRUC-1	3027	000115	**Cooling Tower Foundation:**	12/11/02 1/02/03	To Checker 12/13/02	Fro Check 12/18/02	To Engineer 12/20/02	GJ	Not Approved	Comments need response from engineer	7	3		

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			S355, R-3, Foundation Plan									
			S356, R-3 Foundation Plan									
			S357, R-3 Foundation Plan									
			S362, R-0 Support Foundations-Plans, Sect. & Detail									
			S363,R-3 Foundation Sections & Details									
			S368,R-1,Structure Stop Gate Details									
STRUC-1	3027	000117	**Cooling Tower Pump Structure** Dwgs & Calc.	12/23/02 01/15/03	To Checker 01/07/03			GJ			5	0
			Calc: 02484.001-06-011									
			S361, R-1,Operating Floor Plan									
			S364,R-1 Sections and Details									
			S365,R-1 Sections & Details									
			S366,R-1, Sections & Details									
			S367,R-1, Trash Screen Details									
			S368,R-2, Stop Gate Details									
STRUC-1	3027	000125	**Cooling Tower Foundation:** Drawings, Response to Comments	01/03/02 01/23/03	To Checker 01/09/03	From Check 01/21/03	Approved	GJ	**Approved Unstamped**			
			S355,R-4 Foundations Plans									
			S356,R-4 Foundation Plan									
			S357,R-4, Foundation Plan									
			S362,R-1, Foundation Plan Sections & Details									
			S363,R-4, Foundation Sections & Details									
STRUC-1	3027	000143	**Cooling Tower Pump Structure**	2/10/2003								
			S361, Rev. 2, Operating Floor Plan									
			S364, Rev. 2, Structure Section & Details									
			S366, Rev. 2, Pump Structure & Details									
			S368, Rev. 3, Pump Structure Stop Gate Details									
	3027	000192	**Cooling Tower and Pump Structure and Foundations**	9/8/2003								
STRUC-1			S355, Rev. 5, Foundation Plan									
			S357, Rev. 5, Foundation Plan									
			S360, Rev. 1, Pump Structure Foundation Plan									
			S361, Rev. 3, Pump Structure Operating Floor Plan									
			S363, Rev. 5, Foundation Sections & Details									
			S364, Rev. 3, Structure Sections & Details									
			S365, Rev. 2, Pump Structure Foundation Sections									
			S366, Rev. 2, Structure Sections & Details									
			S368, Rev. 4, Structure Stop Gate Details									
			S860, Rev.1, Access Stair Plan, Section and Detail									
STRUC-1	3027	000221	**Cooling Tower Pump Structure** 2 Drawings	12/5/2003								
			S355, R-6, Foundation Plan									
			S363, R-6,Foundation Sections & Details									

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STRUC-1	3027-B	000127	**Cooling Tower Pump Structure:** Supplemental Drawing S860R0 Access Stair	01/07/03 01/28/03	To Checker 01/09/03	02/06/03		GJ	**Checker Approved**		18	NA		
STRUC-1	3027-B	000206	**Cooling Tower Pump Structure:** 1 Drawing	10/22/2003						Minor Structure / Not sent to checker				
			S-860-R2 Access Stair											
STRUC-1	3028	00045	**STG Pedestal:** 17 Drawings 1 Calc.	6/27/02 7/22/02			7/23/2002	DN	Not Approved	Significant number of comments by David Newman on July 23 2002 but replyed to on 3032-000055 (below) and later approved. CBO to check note on what this supercedes. Note said "supercedes 3020-0003"				
			Calc: 0284-001-06-005, R0		Superceded									
			S245-R0, STG/Generator Pedestal Foundation Plan	Approved	Superceded									
		*	S246-R0, STG/Generator Pedestal Foundation Sections & Detail	Not OK	Superceded									
			S247-R0, STG/Generator Pedestal Misc. Sections & Details	Approved	Superceded									
			S250-R0, STG/Generator Pedestal Operating Floor Plan	Approved	Superceded									
			S255-R0, STG/Generator Pedestal Operating Floor Embed Plan	Approved	Superceded									
			S260-R0, STG/Generator Pedestal Operating Floor Reinforc Pla	Approved	Active									
			S265-R0, STG/Generator Pedestal Concrete Section	Approved	Superceded									
			S266-R0, STG/Generator Pedestal Concrete Secction	Approved	Superceded									
			S267-R0, STG/Generator Pedestal Concrete Sections	Approved	Superceded									
			S268-R0, STG/Generator Pedestal Concrete Sections	Approved	Superceded									
			S269-R0, STG/Generator Pedestal Concrete Sections	Approved	Superceded									
			S270-R0, STG/Generator Pedestal Concrete Sections	Approved	Superceded									
			S271-R0, STG/Generator Pedestal Concrete Sections	Approved	Superceded									
		*	S272-R0, STG/Generator Pedestal Concrete Sections	Not OK	Superceded									
		*	S273-R0, STG/Generator Pedestal Concrete Sections	Not OK	Superceded									
		*	S275-R0, STG/Generator Pedestal Embdment Sections & Detail	Not OK	Superceded									
			S276-R0, STG/Generator Pedestal Embdment Sections & Detail	Approved	Superceded									
STRUC-1	3032	00055	**STG Pedestal:** 1 Letter, 4 Drawings	08/01/02 08/22/02	xx	xx	10/28/02	JL	**Approved**		5	5		
			Letter: 8/01/02 Response to CBO comments of 7/23/02	Approved	NA									
			S246-R1, STG Pedestal Foundation Sections & Details	Approved	Superceded									
			S272-R1, STG Pedestal Concrete Sections	Approved	Superceded									
			S273-R1, STG Pedestal Concrete Sections	Approved	Superceded									
			S275-R1, STG, Pedestal Embedment Sections & Details	Approved	Superceded									
STRUC-1	3028	00081	**STG Pedestal** Foundations Piling: 2 Calculations and 1 Drawings	10/03/02 10/10/02			10/28/2002	JL	**Approved**		3	3		
			Calc. 0284-001-06-005-R2 STG Pedstal Pile Foundation Design	Approved	Active									
			Calc. 0284-001-06-005-R1 STG Pedstal Foundation Design	Approved	Active									
			S240-R1, STG Pedestal Pile Plan	Approved	Active									
STRUC-1	3028	00154	**STG Pedestal:** 11 Drawings:	3/21/03 4/04/03	05/22/03	05/30/03	06/04/03	GJ	**Approved 7/01/03**	One comment on Rebar spacing affecting 1 drawings only resolved between checker	11	11		
			S245-R1, STG Pedestal Foundation Plan	Approved	Superceded									
			S246-R2, STG Pedestal Foundation Sections	Approved	Active									
			S247-R1, STG Pedestal Misc. Sections	Not OK	Superceded									
			S250-R1, STG Pedestal Operating Floor Plan	Approved	Superceded									
			S255-R1, STG Pedestal Operating Floor Imbedment Plan	Approved	Superceded									
			S265-R1, STG Pedestal Concrete Section	Approved	Active									
			S269-R1, STG Pedestal Concrete Sections	Approved	Superceded									
			S270-R1, STG Pedestal Concrete Sections	Approved	Active									
			S271-R1, STG Pedestal Concrete Sections	Approved	Superceded									
			S275-R2, STG Pedestal Imbedment Sections	Approved	Active									
			S276-R1, STG Pedestal Imbedment Sections	Approved	Superceded									

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STRUC-1	3028	000176	**STG Pedestal:** 9 Revised Drawings:	7/03/03 7/18/03	07/08/03	07/29/03		GJ	Checker Approved	Drawings revised as a condition of CBO our approval letter. Received 7/07/03	9	9		
			S245-R2, STG Pedestal Foundation Plan	Pending	Active									
			S247-R2, STG Pedestal Misc. Sections	Pending	Active									
			S250-R2, STG Pedestal Operating Floor Plan	Pending	Active									
			S255-R2, STG Pedestal Operating Floor Imbedment Plan	Pending	Active									
			S266-R1, STG/Generator Pedestal Concrete Secction	Pending	Active									
			S268-R1, STG/Generator Pedestal Concrete Sections	Pending	Active									
			S269-R2, STG Pedestal Concrete Sections	Pending	Active									
			S272-R2, STG Pedestal Concrete Sections	Pending	Active									
			S276-R2, STG Pedestal Imbedment Sections	Pending	Active									
STRUC-1	3028	000183	**STG Pedestal:** 2 Revised Drawings:	08/13/03				GJ	Checker Approved		9	9		
			S270-R2, STG Pedestal Concrete Sections	Pending	Active									
			S273-R2, STG Pedestal Concrete Sections	Pending	Active									
STRUC-1	3028	000197	**STG Pedestal:** 3 Revised Drawings, 2 "new" drawings	09/29/03	10/15/03									
			S-268-R2, STG/Generator Pedestal Concrete Sections											
			S-269-R3, STG Pedestal Concrete Sections											
			S-270-R3, STG Pedestal Concrete Sections											
			S-728-R1 Steam Turbine Enclosure location Plan											
			S-729-R1 Steam Turbine Enclosure Support											
			STG Pedestal: 2 Calcs and 17 Drawings Active Calcs and Drawings for Final CBO Binder			Calpine	BREI							
			Calc. 0284-001-06-005-R2 STG Pedstal Pile Foundation Design	Approved	Active	Stamped								
			Calc. 0284-001-06-005-R1 STG Pedstal Foundation Design	Approved	Active	Stamped								
			S240-R1, STG Pedestal Pile Plan	Approved	Active	Stamped								
			S245-R2, STG Pedestal Foundation Plan	Approved	Active	Stamped								
			S246-R2, STG Pedestal Foundation Sections	Approved	Active	Stamped								
			S247-R2, STG Pedestal Misc. Sections	Approved	Active	Stamped								
			S250-R2, STG Pedestal Operating Floor Plan	Approved	Active	Stamped								
			S255-R2, STG Pedestal Operating Floor Imbedment Plan	Approved	Active	Stamped								
			S260-R0, STG/Generator Pedestal Operating Floor Reinforc Pla	Approved	Active	Stamped								
			S265-R1, STG/Generator Pedestal Concrete Section	Approved	Active	Stamped								
			S266-R1, STG/Generator Pedestal Concrete Secction	Approved	Active	Stamped								
			S-267	Approved	Active	Stamped								
			S268-R1, STG/Generator Pedestal Concrete Sections	Approved	Active	Stamped								
			S269-R2, STG Pedestal Concrete Sections	Approved	Active	Stamped								
		xx	S270-R2, STG Pedestal Concrete Sections	Approved	Active	Stamped								
			S271-R1, STG Pedestal Concrete Sections	Approved	Active	Stamped								
			S272-R2, STG Pedestal Concrete Sections	Approved	Active	Stamped								
		xx	S273-R2, STG Pedestal Concrete Sections	Approved	Active	Stamped								
			S275-R2, STG Pedestal Imbedment Sections	Approved	Active	Stamped								
			S276-R2, STG Pedestal Imbedment Sections	Approved	Active	Stamped								

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STRUC-1	3028A	00098	**STG Pedestal Access Platform:** 1 Calculation, 1 Drawing	11/07/02 11/27/02	To Checker 11/25/02	12/19/2003	1/15/2003	GJ	Not Approved	Significant comments on drawing S715 and one Calculation comment precludes approval at this time		
			Calcs. 02484-001-06-033, STG Platform 275'-6" -Steel Design									
			S715-R0, STG Pedestal Access Platform								2	
STRUC-1	3028A	000145	**STG Pedestal Access Platform:** 1 Letter, 1 Drawing	02/28/02 03/14/02	03/07/03	3/14/2003		GJ	**Checker Approved**			
			Letter: 2/28/03 Reponse to CBO comments 1/14/03									
			S715-R1, STG Generator Pedestal Access Platform									
STRUC-1	3028B	000152	**Circ Water Pipe with Calc from 3020** **Moved to Section 3041 Cir Pipe Support**	03/12/03 03/24/03							2	2
STRUC-1	3029	00047	**CTG:** S206ctg Units 1& 2 Rev 1	07/22/02 07/25/02					C-9/30/02 Verbal	Disposition dated 10/9/02	4	0
STRUC-1	3029	000120	**CTG Containment Trench:** 1 Calculation and 2 drawings	12/27/02	01/07/03	01/15/03		GJ	**Approved with Note**	Note says suggest providing expansion joints. See Packet # 3059 for Revised Drawing	1	1
			calc# 02484-001-06-041									
			S-225-R0									
			S-226-R0									
			S-227-R0									
STRUC-1	3029	NOTE	S-226,R1 is in Submittal No. 3059-000182									
STRUC-1	3029	000223	**CTG Containment Trench:**	12/5/2003					**Approved**	Minor changes no comments		
			S225, R2, Unit 1- Plan									
			S226, R-2, Unit 2 - Plan									
STRUC-1	3030	00052	Drawing S108, Rev 4	07/23/02 08/12/02					A-9/30/02		2	2
STRUC-1	3031	00053	**Precast Concrete Electrical Manholes**, Rev 0 Spec. 02885 02315 Earthwork Rev 0	07/26/02 08/16/02					C-10/9/02		2	
STRUC-1	3031	00079	**Earthwork Specifications:** 2 Specifications	09/30/02 10/17/02				EM		Being reviewed by Eric Moran		
			Spec. 02315 Rev 1 Earthwork									
			Spec. 02821 Rev 0 Chain Link Fences and Gates									
STRUC-1	3031	000148	**Earthwork Specification:** Spec. 02315, Rev. 2	03/10/03 No rsp rq'd				RS			0	0

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STRUC-1	3032	000055	**Moved to Section 3028**	08/01/02 08/22/02										
STRUC-1	3034	000063	**BOP Electrical / Control Building:** 1 Calculation, 13 Drawings	08/22/02 09/13/02	1/28/2003	02/03/03	verbal CBO meeting 2/04	EM HK	**Approved Unstamped**	History: Not listed here till 11/26/02. Sent to EM on 10/16/02 Re-sent as noted. EM approved over phone	14	14		
			Calc: 0284-001-06-032	Active										
			A100-R0	Active										
			A105-R0	Active										
			A131-R0	superceded										
			A133-R0	superceded										
			A140-R0	superceded										
			A141-R0	superceded										
			A150-R0	superceded										
			A158-R0	superceded										
			A175-R0, BOP Elec/Ctrl Bld Door & Finish Schedules & Types	superceded										
			A180-R0, BOP Elec/Ctrl Bld Typ Door Frame & Louver Details	superceded										
			S620-R0, BOP Elec/Ctrl Bld Roof Framing Plan	superceded										
			S621-R0, BOP Elec/Ctrl Bld Roof Slab Plan	superceded										
			S622-R0, BOP Elec/Ctrl Bld Sections & Details	superceded										
STRUC-1	3034	000174	**BOP Electrical / Control Building:** 11 Drawings	6/10/03 6/24/03				HK		Needs to be Reviewed for changes				
			A131-R1, BOP Elec/Ctrl Bld Roof Plan											
			A133-R1, BOP Elec/Ctrl Bld Typ Roof Penetration Details											
			A140-R1, BOP Elec/Ctrl Bld South & East Elevations											
			A141-R1, BOP Elec/Ctrl Bld North & West Elevations											
			A150-R1, BOP Elec/Ctrl Bld Wall Sections & Partition Types											
			A158-R1, BOP Elec/Ctrl Bld Misc Wall Sections & Details											
			A175-R1, BOP Elec/Ctrl Bld Door & Finish Schedules & Types											
			A180-R1, BOP Elec/Ctrl Bld Typ Door Frame & Louver Details											
			S620-R1, BOP Elec/Ctrl Bld Roof Framing Plan											
			S621-R1, BOP Elec/Ctrl Bld Roof Slab Plan											
			S622-R1, BOP Elec/Ctrl Bld Sections & Details											
STRUC-1	Calpine Trans. 02752		Electrical Equipment Plan BOP Electrical/Control Bldg.	7/6/2004	7/7/2004					Comments from Elias in BOP Folder				
STRUC-1	3035	00085	Siemens STG Enclosure	10/15/02 11/04/02							2	0		
STRUC-1	3036	00070	**CTG Inlet Air Filter & Silence foundation:** Calcs 02484-001-06-027 Rev 0 Drawing S220 Rev 0	09/17/02 10/01/02							3	0		

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STRUC-1	3036	000075	**CTG:** 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 0	09/25/02 10/18/02							9	0
	3036	000129	**CTG:** Air Filter Housing Structural Steel Calculations and drawings, Siemans / Carlton Eng / Pneumafil Mfg	01/13/03 02/03/03		pending				Package needs to be reviewd by Structural Eng Secondary to Main Concrete Foundations		
STRUC-1	3036	000129	**CTG Equipment:** Starter Package 1-Calculation 9-Drawings	04/07/03 04/28/03								
STRUC-1	3036	000168	**CTG Equipment:**Noise Abatement Structure 1 Calculation Booklet	05/07/03 05/28/03	05/22/03	06/03/03	Verify	GJ HK	**Not Approved By Checker**	Find notes from Checker	4	4
STRUC-1	3036	000201	**CTG Equipment:**Noise Abatement Structure 1 Calculation Booklet	10/7/2003								
STRUC-1	3036	000218	**CT Exhaust Sound Enclosure - Units 1 & 2** 1 Calc and 9 Drawings	11/20/03						Consider to be Prefab structure to discuss with Hans	10	0
			Calc: 02484-001-06-053-R0 Design of CT Exhaust Sound Enclosure Units 1 & 2									
			A-190-R0, Unt 1 Roof Plan, Sect. Elevs & Door Sch.									
			A-191-R0, Unit 1 Sections & Details									
			A-912-R0, Unit 2 Roof Plan, Sect., Elevs & Door Sch.									
			A-194-R0 Unit 2 Sections & Details									
			S-671-R1 Exhaust Diffuser Enclosure Foundation Units 1&2									
			S-890-R0 Exhaust Sound Enclosure, Unit 1 Steel Framing Plan									
			S-891-R0, Exhaust Sound Enclosure Unit 1 Sections & Details									
			S-892-R0 Exhaust Sound Enclosure Unit 2 Steel Plan & Elev									
			S-893-R0 Exhaust Sound Enclosure, Unit 2 Sections & Details									
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-Specs 02472 Rev. 1,	09/19/02			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	**PDC's:** Moved to ELECT Section	09/25/02 10/09/02							3	3
STRUC-1	3039	00078	**Boiler Feedwater Pump Foundation:** Calc 02484-001-06-016 Drawing S320 Rev.0, Section and Details S321 Rev. 0	09/27/02				E. Moran	A-10/31/02		1	
STRUC-1	3040	00082	Drawing S110, Rev 1 & Design Criteria Rev. 1	10/3/2002							1	1
STRUC-1	3041	00090	**Circ Water Pipe Support :** Dwg S730, Rev. 0 Reffered to Calc from STG Platform 3020	10/30/2002	To Check 11/06/02	From Check 11/19/02	To Engineer 01/23/03	JL	Not Approved	Calcs from 3020-00087 STG Platform **Major Comment. Watch this one.**	27	27
STRUC-1	3028B	000152	**Circ Water Pipe Support:** 1 Calculation, 1 Drawing	03/12/03							2	2
			Calcs. 02484-001-06-029-R2, STG Platform Foundation Design									
			S730-R1, Cir. Water Pipe Support Frame Plan Sec & Detail									

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STRUC-1	3042-A	00111	**Pipe Rack Foundation and Piles:** Drawings & Calculations Pipe Rack Foundations, Calc# 02484-001-06-023 R0, Draw#: S530R0, S540R0, S550R0, S551R0, S552R0, S553R0	11/29/02	To Checker 12/04/02	Fro Check 12/20/20	To Engineer 12/20/02	GJ-EM	Not Approved	Eng. needs to get pile commment resolved. Remaining comments can be resolved later	5	0
STRUC-1	3042-A	000123	**Pipe Rack Foundation and Piles:** Response to CBO comments, Calc# 02484.001-06-023 Dwgs: S540 R1, S552 R1, S553 R1	12/31/2002	1/7/2003	1/21/2003	Recom'd Approve	GJ	**Piles Approved**	BB to review & prepare comments. Minor comment: Add a note on dwg: 540	4	0
STRUC-1	3042-A	000155	**Drawings for Pipe Rack Foundations** Drawing S540-R2, Pipe Rack Foundation plan Drawing S550-R1, Pile Cap Details Drawing S551-R1, Pile Cap Details Drawing S552-R2, Pipe Rack Foundation Sections and Detail	03/21/03		**Verify and Send**				Find - Need to get to checker	5	0
STRUC-1	3042-A	000225	**Drawings for Pipe Rack Steel and Foundations**	1/5/2004					Approved			
			S-540, Pipe Rack Foundation Plan, Rev. 3									
			S-550, Pipe Rack Foundation Pile Cap Details, Rev. 2									
			S-553, Pipe Rack Foundation Sections and Details, Rev. 3									
			S-932, Pipe Rack Misc. Framing Plans, Rev. 3									
			S-968, Pipe Rack Misc. Sections and Details, Rev. 1									
			S530-R0, Pile Location Plan									
			S540-R2 &R3, Pipe Rack Foundation plan									
			Drawing S550-R1 & R2, Pile Cap Details									
			Drawing S551-R1, Pile Cap Details									
			Drawing S552-R2, Pipe Rack Foundation Sections and Detail									
			S-553, R2 & R3 Pipe Rack Foundation Sections and Details									
STRUC-1	10	00092	**Pipe Rack Structure:** 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/	10/31/2002	To Checker 12/03/02	Fro Check 12/09/02	To Engineer 12/20/02	GJ	Not Approved	Major Scope: Significant number of comments need to be resolved	7	7

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STR-1	3042-B	000132	**Pipe Rack Foundation: New Steel Platforms** Calculation 02484-001-06-044-R0, Pipe Rack-Misc. Steel Platform Design Drawing S933-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections Drawing S934-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections Drawing S934-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections	1/17/2002	1/23/2003	2/24/2003		GJ	**Not Approved by Checker**		30	
STRUC-1	3042-B	000140	**Pipe Rack Steel Structure:** 1 Calculation 29 Drawings Drwgs: S553R2, S900R1, S901R1, S902R1, S903R1, S904R1, S905R1, S906R1, S930R1, S931R1, S932R1, S940R1, S941R1, S942R1, S943R1, S944R1, S945R1, S950R1, S951R1, S952R1, S953R1, S954R1, S955R1, S956R1, S958R1, S959R1, S965R1, S966R1, S967R1 Calc# 02484-001-06-22-R1	02/06/03	2/28/2003	3/6/2003		GJ	**Not Approved by Checker**			
STRUC-1	3042-B	000220	**Drawing for the Pipe Rack**	11/26/2003								
			S-900 Pipe Rack Overall Isometric View, Rev. 1									
			S-906, Pipe Rack Framing Plan, Rev. 2									
			S-929, Pipe Rack Misc. Framing Plan, Rev. 0									
			S-930, Pipe Rack Misc. Framing Plan, Rev. 2									
			S-932, Pipe Rack Misc Framing Plans, Rev. 2									
			S-941, Pipe Rack Elevation Along Col. Line 6, Rev. 2									
			S-944, Pipe Rack Elecations Along Col. E.2, Rev. 2									
			S-945, Pipe Rack Elevations Along Col. Line D.2, Rev. 2									
			S-950, Pipe Rack Elevations Along Col. Lines F & E.6, Rev. 2									
			S-954, Pipe Rack Elevations Along Col. Lines 7,8, &9, Rev. 2									
			S-965, Pipe Rack Misc. Sections & Details, Rev. 2									
			S-966, Pipe Rack Misc. Sections & Details, Rev. 1									
			S-967, Pipe Rack Misc. Sections & Details, Rev. 1									
			S-968, Pipe Rack Misc., Sections & Details, Rev. 0									
STRUC-1	3042-B	000229	**Pipe Rack Steel Structure:**	01/20/04								
			S-929-R1- Pipe Rack Misc. Framing Plan									
			S-940-R2 - Pipe Rack Elevations									
			S-941-R3 - Pipe Rack Elevations									
			S-942-R2 - Pipe Rack Elevations									
			S-943-R2 - Pipe Rack Elevations									
			S-944-R3 - Pipe Rack Elevations									

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				Issued Due	To Checker	From Checker	Response	Plan Check	Status		Submitted	Response		
			S-945-R3 - Pipe Rack Elevations											
			S-950-R3 - Pipe Rack Elevations											
			S-951-R2 - Pipe Rack Elevations											
			S-952-R2 - Pipe Rack Elevations											
			S-953-R2 - Pipe Rack Elevations											
			S-954-R3 - Pipe Rack Elevations											
			S-955-R2 - Pipe Rack Elevations											
			S-956-R2 - Pipe Rack Elevations											
			S-965-R3 - Pipe Rack Misc. Sections & Details											
STRUC-1	3042-B	000238	**Pipe Rack Steel Structure:** S-902-R2- Pipe Rack Framing Plan	1/20/2004										

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				Issued Due	To Checker	From Checker	Response	Plan Check	Status		Submitted	Response
STRUC-1	3044	00097	**STG Main Step-up Transformer:** 1 Calculation, 4 Drawings	11/07/02			08/13/03	GJ	**Approved**		3	3
			Calcs 02484-001-06-008									
			S-567-R0									
			S-570-R0									
			S-577-R0									
			S-578-R0									
STRUC-1	3044	00110	**STG Main Step-up Transformer:** Drawings / Calcs	11/27/02	12/05/02	12/11/02	12/20/02	GJ-EM	**Not Approved**	Comments need response from engineer	3	0
			Calc# 02484-001-06-008 R1									
			S577R1									
			S578 R1									
STRUC-1	3044	000128	**STG Main Step-up Transformer:** 1 Letter, 1 Calculation, 2 Drawings	01/08/03	01/14/03	01/16/03	08/13/03	GJ	**Approved**		1	0
			Letter Response to CBO comments									
			Calcs Calc# 02484-001-06-008 R2									
			S-577-R2									
			S-578-R2									
			STG Main Step-up Transformer: Recap of Current Drawings and Calculations				08/13/03	GJ	**Approved**			
			Calcs 02484-001-06-008-R2									
			S-567-R0 Pile Design & Layout									
	3051 & 3059		S-570-R1 Foundation Design									
			S-577-R2 Foundation Sections & Details									
	See 3059		S-578-R2 Foundation Sections & Details									
STRUC-1	3044	000182	**STG Main Step-up Transformer**	8/5/2004					**Approved**			
			Drawing: S-570-R2 Main Step-up Transformer Foundation Plan									
			Drawing: S578-R3 Main Step-up Trans Sections & Details									
	3044	000209	**STG Main Step Up Transformer**	11/5/2003	11/12/2003				**Approved**			
			Drawing: S-570-R3 Transformer Foundation Plan									

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				Issued Due	To Checker	From Checker	Response	Plan Check	Status		Submitted	Response			

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				Issued Due	To Checker	From Checker	Response	Plan Check	Status		Submitted	Response
STRUC-1	3045	000100	**Piles**: Concrete-Filled Pipe Piles: Specs 02472-R2	11/08/02							1	0
STRUC-1	3045	000137	**Piles**: Concrete-Filled Pipe Piles: Specs 02472-R3	01/28/03							2	2
STRUC-1	3046	000102	**HRSG**: 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 Rev1 Dated 11/07/02	11/07/02 11/29/02	To Checker 11/19/02	Fro Check 11/25/20		GJ-EM		Incomplete	4	4
STRUC-1	3046	000112	**HRSG** Foundation Drawings - S305, S307, S310, S313	12/03/02 12/24/02	To Checker 12/05/02	Fro Check 12/20/20	To Engineer 12/20/02	GJ-EM	Not Approved	Comments need response from engineer	2	0
STRUC-1	3046	000124	**HRSG:** Response to CBO Comments and Revised Foundation Plans Dwgs: S305 R2, S310 R2	12/31/02 01/22/03	To Checker 1/07/03	From Check 01/21/03	Approved	GJ	**Approved Unstamped**			
STRUC-1	3046	000142	**HRSG:** Foundation 8 Drawings S305-R3 Foundation Plan Unit 1 S306-R1 Foundation Plan Unit 2 S307-R2 Reinforcement Plan Unit 1 S308-R1 Reinforcement Plan Unit 2 S310-R3 Section Details Units 1&2 S311-R1 Section Details Units 1&2 S313-R2 Anchor Details Units 1&2 S315-R0 Equip Foundations Units 1&2	2/10/03 2/21/03	02/20/03	3/4/2003		GJ	**Approved By Checker**		7	0
STRUC-1	3046	000218	**CT Exhaust Sound Enclosure - Units 1 &2**	11/20/03								
			Caculations 02484-001-06-053, Rev. 0 Design of CT Exhaust Sound Enclosure Units 1 & 2									
			A190, Rev. 0, Unt 1 Roof Plan, Sect. Elevs & Door Sch.									
			A191, Rev. 0, Unit 1 Sections & Details									
			A912, Rev. 0, Unit 2 Roof Plan, Sect., Elevs & Door Sch.									
			A194, Rev. 0, Unit 2 Sections & Details									
			S671, Rev. 1 Exhaust Diffuser Dect Enclosure Foundation Units 1 & 2									
			S-890, Rev. 0 Exhaust Sound Enclosure, Unit 1 Steel Framing Plan									
			S891, Rev. 0, Exhaust Sound Enclosure Unit 1 Sections & Details									
			S892, Rev. 0, Exhaust Sound Enclosure Unit 2 Steel Framing Plan & Elevations									
			S893, Rev. 0, Exhaust Sound Enclosure, Unit 2 Sections & Details									
STRUC-1	3047	00109	**CTG Main Step-Up and Auxillary Transformer Foundation:** 1 Calculation & 6 Drawings:	11/27/02	08/13/03	08/22/03	08/22/03	GJ	Not Approved	Found forgotten package as a result of new package 3059 Iso-Phase Bus Sent to Gang with same package 3059	7	0
STRUC-1			Calc.# 02484-001-06-036-R0			via Emial Direct						
			S-571-R0 CTG Main SU & Aux Foundation Plan	See 3059								
			S-572-R0 CTG Main SU & Aux Foundation Plan	See 3059								
			S-574-R0 CTG Main SU & Aux Foundation Sects & Details	See 3059								
			S-575-R0 CTG Main SU & Aux Foundation Sects & Details	See 3059								

METCALF DOCUMENT SUBMITTAL RECORD CALPINE/BSR AND CBO

WILLDAN CBO PROJECT NO. 13254

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				Issued Due	To Checker	From Checker	Response	Plan Check	Status		Submitted	Response
			S-576-R0 CTG Main SU & Aux Foundation Sects & Details	See 3059								
	3051 & 3059		S-579-R0 Station Svc Transf. Found Plan Sects and Details	See 3059								
	3047	00194	**CTG Main Step-Up and Auxiliary Transformer Foundation:**	09/10/03	10/15/03							
STRUC-1			Calc.# 02484-001-06-036-R1									
			S-572-R2 CTG Main SU & Aux Foundation Plan									
			S-574-R2 CTG Main SU & Aux Foundation Sects & Details									
			S-575-R2 CTG Main SU & Aux Foundation Sects & Details									
			S-576-R2 CTG Main SU & Aux Foundation Sects & Details									
			S-577-R3 Foundation Sections & Details									
			S-578-R4 STG Main Step-up Trans Sections and Details									
			S-579-R3 Station Service Transformer Foundation Plans									
			CTG Main Step-Up and Auxiliary Transformer Foundation:	6/4/2004	6/4/20040	6/4/2004	6/4/2004	HK	**APPROVED**			
			S-572-R3 CTG Main SU & Aux Foundation Plan									
			S-574-R2 CTG Main SU & Aux Foundation Sects & Details									
			S-575-R2 CTG Main SU & Aux Foundation Sects & Details									
			S-576-R2 CTG Main SU & Aux Foundation Sects & Details									
			S-577-R3 Foundation Sections & Details									
			S-578-R5 STG Main Step-up Trans Sections and Details									
			S-579-R5 Station Service Transformer Foundation Plans									
STRUC-1	3048	00114	**Condensate Pump Foundation:** Drawing and Calculation,	12/06/02 12/27/02	To Checker 1/09/03	01/15/03		GJ	**Approved Needs Disposition**	Add a note on dwg: 290 spec 1/2" anchor... Soloved Not Required	1	0
			Calc# 02484-001-06-038									
			Draw: S290R0									
STRUC-1	3048	000210	**Condensate Pump Foundation**	11/05/03	11/12/2003	06/28/04		GJ	**Approved**			
			Drawing: S-290-R1									
STRUC-1	3049	00116	**CTG Foundation Units 1&2** Drawing S206 R2	12/17/02	To Checker 12/18/02	VERIFY if sent	Was sent but N/A see note	GJ		This goes with Sub# 3017 and... Previous revision was approved on Sub # 3049	1	0
STRUC-1	3050	000119	**Manholes & Covers** Specification 02607	12/23/02 01/15/03								
STRUC-1	3051	000122	**Station Service Transformer Foundations** 1 Calulation 2 Drawings	12/30/02 01/21/03	1/7/2003	1/15/2003	8/13/2003	GJ	**Conditionally Approved**	Distance between Transformer and wall verify.	3	0
			Calc# 02484-001-06-037									

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/BSR AND CBO

WILLDAN CBO PROJECT NO. 13254

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				Issued Due	To Checker	From Checker	Response	Plan Check	Status		Submitted	Response
	3059 & 3044		S570 R1 STG Transformer									
			S579 R1 Station Service Transformer Plan, Sections & Details									
STRUC-1	3051	000122	**Station Service Transformer Foundations** 1 Letter of Explanation	8/20/2003					Approved			
STRUC-1	3052	none	**Admin Building:** Bechtel 3 Drawings: Drwg A1-8110, Drwg A2-8190, Drwg A5-8110	11/06/01								
STRUC-1	3053	000144	**Excitation Transformer Foundation:** 1 Drawing 1 Calc: Drwg: S585-R0 Excitation Transformer Foundation Calculation: 02484-001-60-043-R0	02/19/03	03/07/03	VERIFY If sent		GJ			5	0
STRUC-1	3054	000158	**Circuit Breaker (CB) Platform for CTGs:** 2 Calcs, 3 Drwg:	03/26/03	04/10/03	04/15/05		GJ	Not Approved by Checker	Sent notes directly to BREI taking action	3	0
			Calculation: Foundation 02484-001-60-025-R0									
			Calculation: Steel Platform 02484-001-60-048-R0									
			Drwg: S601-R0 CTG Units 1&2 CB Platform Foundation									
			Drwg: S880-R0 CTG Unit #1 CB Platform Structure									
			Drwg: S881-R0 CTG Unit #2 CB Platform Structure									
STRUC-1	3054	000179	**Circuit Breaker (CB) Platform for CTGs: 2 Drwgs**	07/22/03		07/22/03		GJ	APPROVED			
			Calculation: Foundation 02484-001-60-025-R0									
			Calculation: Steel Platform 02484-001-60-048-R0									
			Drwg: S601-R0 CTG Units 1&2 CB Platform Foundation									
			Drwg: S880-R1 CTG #1 CB Platform Plans, Sections & Details									
			Drwg: S881-R1 CTG #2 CB Platform Plans, Sections & Details									
STRUC-1	3055	000162	**Water Tanks:** Fire-Water & Demineralized: 1 Calcs, 2 Drwg: Calculation: Tank Foundation 02484-001-06-012-R0 Drwg: S519-R0 Water Tank Pile Layout Drwg: S111-R2 Pile Sect. Details Revised for Tank Piles	4/17/03 4/25/03	04/22/03	04/24/03	04/24/03	GJ	Not Approved	**High Priorty Review of piles needed Approved based on verbal clarifications**		
STRUC-1	3055	000167	**Water Tanks:** 1 Calcs, 2 Drawg: Calculation:# 02484-001-06-012-R1 Drwg: S519-R1 Demineralized & Firewater Tanks Drwg: S110-R3 Composite Pile Plan	5/02/03 5/10/03	05/06/03	05/15/03		GJ	Checker Approved		2	0
STRUC-1												
	Calpine 15176		**Water Tanks: Vendor details/Calculations**	01/28/04	05/07/04	05/10/03	05/12/04	GJ	More	Comments directly to Fischer 5/12/04		
	Trans	01342	Tank Calculation #6533						Info	-		
			Tank Drawings						Requested			
			Tank Calculation #6534									
			Tank Drawings									

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/S&R AND CBO

WILLDAN CBO PROJECT NO. 13254

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				Issued Due	To Checker	From Checker	Response	Plan Check	Status		Submitted	Response		
STRUC-1	3055	000236	**Water Tanks:** **Demin and Firewater**	03/12/04	05/13/04	05/20/04	05/20/04	GJ	**Approved**	Comments relate constructability / addressed by Steve Fischer OK				
			Drawing: S-520-R1 Tank Foundation Plans & Details											
STRUC-1	**Calpine Trans. No. 02928**		**Technical Spec** **Spec. # 1 15176 Bolted Steel Tanks** **Demineralized Water Storage Tank** **Spec. # 1-00-sws-tk-001 Service Fire Water Storage Tank 1-0**	07/21/04										
	3056	000164	**Ammonia Tank Piles:** 1 Calcs, 1 Drwg: Calculation:# 02484-001-06-020-R0 Drwg: S495-R0 Ammonia Tank & Dike Foundation & Pile	4/25/03 5/02/03	04/29/03	05/02/03	05/06/03	GJ	**Piles Approved**	But no pile cap details Calculations	2	2		
STRUC-1														
	3056	000216	**Ammonia Storage Tank Foundation & Dike Foundation**	11/13/03						Explination of Calculation OK. Mention CBO# 000185 ?				
STRUC-1			Drawing: S495-Rev. 1, S496, Rev. 0, S497, Rev. 0											
	3056	000241	**Ammonia Storage Tank Foundation & Dike Foundation**	04/23/04	05/13/04	05/20/04	05/21/04		**Approved**	Hand delivered to SF Minor comments only, Acknowledged by Steve Fisher				
STRUC-1			S495, Rev. 3 Ammonia Tank & Dike Foundation& Pile Locations											
			S496, Rev. 1, Ammonia Tank & Dike Foundation Sections											
			S497, Rev. 2, Ammonia Tank & Dike Foundation Sections											
STRUC-1	3057	000165	**Gas Compressor Piles:** 1 Calcs, 1 Drwg:	5/01/03 5/09/03	05/06/03	05/08/03		GJ	**Approved Piles Only**	Review Completed Piles Approved Foundation Not Approved Pending Reply to comments				
			Calculation: 02484-001-06-049-R0											
			Drawing: S664-R0 Gas Compressor Location & Pile											
STRUC-1	3057	000165	**Gas Compressor Foundation**	11/05/03	11/04/03	11/05/03		GJ	**Approved**	Letter contains reply that satisfy requirements and was discussed by Gang Jiao & Nitin Motiwala in teleconference.				
			Response Letter Dated 9/5/2003											
			S-664, Rev. 1 Gas Compressor Foundation & Pile Plans											
			S-668, Rev. 0 Gas Compressor Foundation Plan, Sections & Details											
STRUC-1	3058	Calpine 00249	**Switchyard Dead End Structure** by Power Engineers Inc. 1 Calc, 1 Drawing:	02/10/03		03/18/03	07/17/03	GJ	Conditionally Approved	Piles were approved via email on 3/19/03. Review comments require further action. Clarify Anchor Hardware and Incorporate				
			Calculation# 150312-01											
			Drawing# C02-1 Rev B											

METCAD DOCUMENT SUBMITTAL RECORD
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STRUC-1	3059	000165	**Isophase Bus Support Foundation:** 11 Drawings, No Calcs, No Specs	08/05/03	08/13/03	08/22/03	08/22/03	GJ	Not Approved	Found an overlooked packet that realates to this packet. Found 3047 sent to Gang at same time as this one.		
	See 3029		S-225-R1 CTG #1 Containment Trench				Via email Direct					
	See 3029		S-226-R1 CTG #2 Containment Trench									
	3044 / 3051		S-570-R2 STG Main Step-up Transformer									
	See 3047		S-571-R1 CTG #1 Main Step-up Transformer									
	See 3047		S-572-R1 CTG #2 Main Step-Up Transformer									
	See 3047		S-574-R1 CTG Main Setp-Up Trans Sections and Details									
	See 3047		S-575-R1 CTG Main Setp-Up Trans Sections and Details									
	See 3047		S-576-R1 CTG Main Setp-Up Trans Sections and Details									
	3044		S-578-R3 STG Main Step-up Trans Sections and Details									
	3047 / 3051		S-579-R2 Station Service Transformer Foundation Plans									
	New		S-666-R0 Iso Bus Foundation									
	3059	000184	**Isophase Bus Support Foundation:** 3 Drawings, No Calcs, No Specs	08/13/03	8/16/03	8/22/03	8/23/04	GJ	Comments	Comments provided		
STRUC-1			S-170-R1, STG Platform Slab Plan At E1. 295'-0 1/2" (Opr Flr)									
			S-701-R3, STG Platform Framing Plan at Elevat 295'-01/2"									
			S-813-R2, STG Platform Steel Sections & Details									
	3059	000184	**Isophase Bus Support Foundation:**	09/11/03	10/15/03	8/29/04	6/24/04	GJ	Approved	Sent approval 6-24-04		
			Letter of Clarification									
			S-666-R1 iso Bus Foundation									

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				Issued Due	To Checker	From Checker	Response	Plan Check	Status		Submitted	Response		
STRUC-1	3061	000243	**ISO Phase Bus CTG 1 & 2**	05/26/04	5/26/2004	7/26/2004		HK	**Approved**					
			Calc CTG ISO Phase No.D-5089											
			Erection Drawings U-123057X95, R-A, 10 pages											
			Steel Details U-123057X95A, 9 pages											
			Anchor Bolts & Connection Layout U-123056X123 R-B											
			General Layout U-126679-D Rev A, 9 pages											
			General Layout U-126679-D, Rev. B, 9 pages											
STRUC-1	3061	000243	**ISO Phase Bus STG**	05/26/04	5/26/2004	7/26/2004		HK	**Approved**					
			Calc STG ISO Phase No. D-5089											
			Erection Drawing U-123057X96, 8 Pages											
			Steel Details U-123057X95A, 8 pages											
			Anchor Bolt Layout U-123056X104, R. A											
			General Layout U-126680-D, Rev. B, 6 Pages											

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				Issued Due	To Checker	From Checker	Response	Plan Check	Status		Submitted	Response		
	30xx	000xxx	PDC Foundations:											
STRUC-1			Calpine transmittal # 01349 - 9 Drawings											
			BRE Calc # 02484-001-06-009 Via Email											
STRUC-1	Calpine Trans. No. 02668	MEC Sub # 11302-PD-001	Struct. Calcs for Oil Water Separator	6/25/2004	6/26/2004									
Status Code											553	359		
				P - Approved upon sign-off by Engineer, Inspector or Geotech, or other Third Party indicated by CBO.										
A - Approved				D - Discussion pending between CBO, Engineer, Geotech, inspector or other party										
I - Accepted as for information only				H - On hold by Mortenson/Calpine										
N - Not approved, returned with comments.				R - Reversal of approval pending resolutions from outside agencies.										
C - Approval Conditioned upon submittal of addt. Info.or replacement														

METCALF DOCUMENT SUBMITTAL RECORD
CALFINE/B&R AND CBO

WILLDAN CBO PROJECT NO. 13254

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				Issued	To Checker	From Ckeck	Resubmit	Plan Checker	Status		Submitted	Response
MECH-1	4002	000080	**Piping System P&IDs:** MT-P-2015-AST-001 Rev.1, Amonia Storage MT-P-2079-SSW-001 REV. 1, MT-P-2080-SWS-001 REV.2, MT-P-2081-SWS-002 REV.2, MT-P-2052-FWS-001 REV 2, Fire Water MT-P-2053-FWS-002 REV 2, Fire Water MT-P-2003-GEN-003 REV.0, MT-P-2004-GEN-004 REV.0, MT-P-2005-GEN-005 RE	10/1/2002 10/22/2002							9	
MECH-1	4002	000086	**Waste Water Collection P&ID:** 4 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 **Circulation Water System:** 1 Drawing MT-P-2042-CWS-00- 1of 3 Rev. 2 **Fuel Gas P&ID:** 3 Drawings MT-P-2046-FGS-001- 1 of 6, MT-P-2047-FGS-002- 2 of 6 MT-P-2046-FGS-003- 3 of 6 **Fire Protection Arrangement:** 1 Drawing Dwrg M203-R1	10/21/2002 11/11/2002							8	8
MECH-1	4002	000149	**Fire Protection Arrangement:** 1 Drawing Dwrg M203-R1	none						Send to Greg Carr	1	1
MECH-1	4003	000091	**Fire Protection:** 1 Spec and 4 Drawing Specification - Fire Risk Evaluation-Rev B M201 General Arrangement Plan at Grade M203 Fire Protection Arrangement MT-P-2052-FWS-001-R2 Fire Water P&ID MT-P-2053-FWS-002 -R2 Fire Water P&ID	10/30/2002 11/21/2002				GC			5	5
MECH-1	4003	000139	**Fire Protection:** 1 Drawing: General Arrangement Plan View M201-R2	01/30/03 02/20/03	02/03/03			HK	New		1	1
MECH-1	4003	000166	**Fire Protection** 6 Drawing MT-P-2042-CWS-001 Circulating Water System MT-P-2043-CWS-002 Circulating Water System MT-P-2044-CWS-003 Circulating Water System MT-P-2052-FWS-001 Fire Water MT-P-2053-FWS-002 Fire Water	5/1/2003	05/07/03			GC				
MECH-1	4004	000105	**Mechanical Design Criteria:** Specification #	11/21/02							1	1
MECH-1	4004	000XXX	Drawings Requested By CBO	01/20/03						In review of Fire Protection MTP-2052-FWS-		
MECH-1	4011	xxxx	**Burns & Roe NJ Review:** 186 Drawings Various BREI Mechanical Drawings					HK		Refer To Excel Spreadsheet"Audit NJ Brei Drwgs.xls" For detailed list of documents	283	283

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/B&R AND CBO

WILLDAN CBO PROJECT NO. 13254

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				Issued	To Checker	From Ckeck	Resubmit	Plan Checker	Status		Submitted	Response
MECH-1	4011	xxxx	**Burns & Roe NJ Review:** 10 Drawings Various BREI Vendor Mechanical Drawings					HK		Refer To Excel Spreadsheet"Audit NJ Vendor Drwgs.xls" For detailed list of documents	0	0
MECH-1	4011	xxxx	**Burns & Roe NJ Review:** 04 Calculations Various BREI Mechanical Calculations					HK		Refer To Excel Spreadsheet"Audit NJ Brei Drwgs.xls" For detailed list of documents	0	0
MECH-1	4000	Calpine # 387	**Cooling Tower Circ Pipe Drwgs:** Requested to support RFI review 22 drawings	05/20/00	05/21/03			RS		Approval not required // For Info Only		
MECH-1	4050	000172	**Fire Protection Plan:** 1 Letter, 0 Calc, 0 Drawings	05/29/03	05/30/03						1	
			Letter 5/29/03, Response to 3 CBO Letters of 3/18/03, 3/19/03, & 4/15/03									
MECH-1	4050	000172	**Fire Protection Plan:** 1 Letter, 0 Calc, 0 Drawings	05/29/03	05/30/03							
MECH-1	4050	Calpine Letter 330	Clarification To FRPP- Fire Flow	03/03/04								
			Calpine Letter Dated 3/02/04									
	RJA	2/13/04	**RJA Comments** Gas Compressor Separation Comments	02/13/04								
	Calpine	E-mail	Data on gas Compressor Blow-Out panels	1/0/1900				Carr		Un-known		

Status Code		Total:	Total:
A - Approved	P - Approved upon sign-off by Engineer, Inspector or Geotech, or other Third Party indicated by CBO.	291	290
I - Accepted as for information only	D - Discussion pending between CBO, Engineer, Geotech, Inspector or other party		
N - Not approved, returned with comments.	H - On hold by Mortenson/Calpine		
C - Approval Conditioned upon submittal of addt. info.or replacement	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.	Package Title	Review /Approval Dates						Comments	Documents	
				Issued Due	To Checker	From Checker	Reply	Plan Checker	Status		Submit	Respond
ELEC-1	5001	000046	**Electrical Grounding:** 21 Drawings, No Calculations:	6/28/2002	xx	xx	05/15/03	BS ES	Approved	BS = Bob Snyder Dispostion Dated 5/15/03 Sent via e-mail and Mailed 7-22-03	21	21
			E200-R0				07/22/03					
			E201-R0	Superceded								
			E202-R0									
			E203-R0	Superceded								
			E204-R0									
			E205-R0	Superceded								
			E206-R0									
			E207-R0	Superceded								
			E208-R0									
			E209-R0	Superceded								
			E210-R0	Superceded								
			E212-R0	Superceded								
			E213-R0	Superceded								
			E214-R0									
			E215-R0	Superceded								
			E216-R0									
			E216-R0	Superceded								
			E230-R0									
			E231-R0									
			E232-R0									
			E233-R0									
ELEC-1	5001	000050	**Electrical Grounding:** 11 Revised Drawings & 1 Calculation	7/18/2002 8/8/2002	xx	xx	10/22/02	BS ES	A-10/22/02	Dispostion Dated 5/16/03 Sent via e-mail and Mailed 7-22-03	12	12
			Calculation: 2484-01-07-006 Rev. 1				07/22/03					
			E201R1									
			E203R1									
			E205R1									
			E207R1									
			E208R1									
			E209R1									
			E210R1									
			E212R1									
			E213R1									
			E215R1									
			E216R1									
			CBO Letter of Concern									
			Regarding Tank Grounding 3 July 2002									
			E209-R1									
			E230-R0									
ELEC-1	5001	000067	**Cable Sizing Calcs:** Underground: 02484-01-07-011 R0 Above Ground: 02484-01-07-012 R 0	8/30/2002 9/23/2002				ES			2	0
ELEC-1	5001	000150	**Underground and Above Ground Cable Sizing Calc:** 2 Calculation:	5//11/03 04/02/03	05/29/03	06/11/03		ES	Approved		2	2
			Calculation 02484-01-07-011, R1 Underground Cable Sizing									
			Calculation 02484-01-07-012, R1 Above Ground Cable Sizing									
ELEC-1	5001	000245	Electrical Groundiung Drawings	6/24/2004	7/8/2004			ES				
			Drawing: E200, R1, Electrical Grounding Layout									

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE, B&R AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates: Issued Due	To Checker	From Checker	Reply	Plan Checker	Status	Comments	Documents: Submit	Respond
			Drawing: E201, R3, Elect. Ground Plan Plant Overall Grid Layout									
			Drawing: E202, R1, Elect. Ground Plan CTG Unit #1 & XFMR									
			Drawing: E203,R3, Elect Ground Plan CTG Unit #2 & XFMR									
			Drawing: E207, R2 Elect Ground Plan Cooling Tower No. Sect.									
			Drawing: E208,R2,Elect Ground Plan Cooling Tower Mid Sect.									
			Drawing: E210,R2, Elect Ground Plan Cooling Tower South Sect									
			Drawing: E212,R2, Elect Ground Plan Retention Basin East									
			Drawing: E213, R3 Elect Ground Plan Gas Comp. Bldg Area									
			Drawing: E215,R3 Elect Ground Plan Admin. Bldg									
			Drawing: E216,R3 Elect Ground Plan Ammonia Storage Area									
			Drawing: E217,R0 Elect Ground Plan Retention Basin									
			Drawing: E230,R1, Electrical Grounding Details									
ELEC-2	5002	000057	**Electrical One-Line Drawings:** 20 Drawings	8/2/2002 8/23/2002	10/15/02	xx	10/09/03	ES	C-10/17/02	Conditionally approved but it was later determined: Drawing E104 was needed	18	18
			E101, E102, E103, E105, E106, E107, E108, E109, E110, E111, E113, E114, E120, E121, E122, E123, E124, E125 REV 0				02/12/03	ES	Not Approved Sent Comments	**Second review** after receiving E-104 reveals significant comments	0	18
ELEC-2	5002	000104	**Electrical Single-line Drawing:** Draw: E-104 R1 sent in response to 2/12/03 letter	11/14/02	11/20/02		02/11/03	ES	Not Approved	Significant Number of comments sent to B&R via E-mail	1	1
ELEC-2	5002	No Sub Number	**Electrical Single-line** Drawings: E126B, E126A, E130B, E131B, E132B, E133A, E134A, E140A, E141B, E142B, E143A, E160R0, E161R0, E180A, E181A, E184A, E185A, E188A	xx/xx/xx				ES		These drawings were obtained by CBO at plant around mid-November. Elias prepared some comments, Drawings are preliminary and not for release and not officially submitted, so comments are being held by CBO.		
ELEC-2	5002	000151	**Electrical One-Line Drawings:** 1 Letter, 23 Drawings	03/13/03	04/07/03	04/29/03	05/02/03	ES	Approved	Approval of two previous submittals this subject: CBO# 000057 and CBO# 000104	24	24
			E101-R1, Electrical Symbols Sheet 1									
			E102-R1, Electrical Symbols Sheet 2									
			E103-R2, Electrical Symbols Sheet 3									
			E104-R2, Key One Line Diagram									
			E105-R1, Electrical Main One Line Diagram CTG #1									
			E106-R1, Electrical Main One Line Diagram CTG #2									
			E107-R1, Electrical Main One Line Diagram STG									
			E108-R2, 4160V Switchgear Bus 001A & 001B									
			E109-R2, 4160V Switchgear Bus 001A One Line Diagram									
			E110-R2, 4160V Switchgear Bus 001B One Line Diagram									
			E111-R2, 4160V Switchgear Bus 001B & STBY Gen									
			E113-R2, 4160V Cooling Tower MCC 011A									
			E114-R2, 4160V Cooling Tower MCC 011B									
			E120-R2, 480V Switchgear Bus 001A One Line Diagram									
			E121-R2, 480V Switchgear Bus 001B One Line Diagram									
			E122-R2, 480V Switchgear Bus 002A One Line Diagram									
			E123-R2, 480V Switchgear Bus 002B One Line Diagram									
			E126-R1, 480V Balance of Plant mcc 1-00-ELA-MC-021A									
			E130-R1, 480V HRSG #1 MCC 1-01-ELA-MC-014A									
			E131-R1, 480V HRSG #2 MCC 1-02-ELA-MC-014B									
			E132-R1, 480V Essential Svc's MCC 1-00-EGS-MC-001									
			E133-R1, 480V Water Treatment 1-00-ELA-MC-022A									
			E134-R1, 480V Water Treatment 1-00-ELA-MC-022B									

METSCALE DOCUMENT SUBMITTAL RECORD
CALPINE, B&R AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates: Issued Due	To Checker	From Checker	Reply	Plan Checker	Status	Comments	Documents: Submit	Respond
ELEC-2	5002	000226	**Electrical One-Line Drawings:** 13 Drawings	1/8/2004	01/16/04		02/12/04	ES	**Approved**			
			E-126-R2									
			E-130-R2									
			E-131-R2									
			E-132-R2									
			E-133-R2									
			E-134-R2									
			E-140-R2									
			E-146-R1									
			E-147-R1									
			E-148-R1									
			E-149-R1									
			E-150-R1									
			E-152-R1									
ELEC-1	5003	000074	**Electrical Drawing-Underground conduits:** 55 Drawings:	09/20/02	09/30/02	12/12/02	Response 12/17/02	ES	**Conditional Approval**	Major Scope Resulting a significant number of comments that need to be resolved by the engineer.	55	55
			E354, Rev 0, E300, E316, E319, E322, E323, E324 E326, Rev. 1						**Not Stamped**	Response by engineer in CBO-000130 makes possible to approve conditionally		
			E371, E376, E377,E378, E379, E381 E382, E383, E384, E385, E386 Rev 0									
			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									
			E350, E351, E352, E353, E360, E362, E363 E364, E370, E374, E375 Rev. 1 dated 8/23 E314, E320, E327, E328, E370, Rev 2									
ELEC-1	5004 (5003)	000121	**Electrical Design Critera:** 4 Drawings (spec sheets) SD-E-004-GEN-000 Legend SD-E-004-GEN-001 Tray SD-E-004-GEN-002 Duct Bank SD-E-004-GEN-003 Notes	12/27/02 01/20/03	To Checker 1/07/02	05/12/03	05/13/03	ES	**Accepted**	Accepted for info Only comments provided	4	4
ELEC-1	5003	000130	**Underground Conduit and Duct Banks:** 1 Letter, 1 Spec, 3 Reports Letter Response to CBO comments of 12/17/02. Specification 16118 Manhole and Ducts Cable Schedule Raceway Report Cable Length Report	01/15/02 02/05/03	01/30/03		05/09/03	ES	**Approved**		5	5
ELEC-1	5003	000188	**Underground Conduit and Duct Banks:** 1 Letter, Follow-up Clarification	08/28/03	08/29/03			ES	**Information Only**			
ELEC-1	5003	000170	**Manhole Rollout Details:** 6 Drawings	5/16/03 5/30/03	05/19/03	05/29/03	06/11/03	ES	**Approved**		6	6
			E374 Electrical Manhole Rollout Details Sh 1									
			E375 Electrical Manhole Rollout Details Sh 2									
			E376 Electrical Manhole Rollout Details Sh 3									

METCALF DOCUMENT SUBMITTAL RECORD CALPINE, B&R AND CBO													
WILLDAN CBO PROJECT NO. 13254													
Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates						Comments	Documents	
				Issued Due	To Checker	From Checker	Reply	Plan Checker	Status		Submit	Respond
			E377 Electrical Manhole Rollout Details Sh 4									
			E378 Electrical Manhole Rollout Details Sh 5									
			E379 Electrical Manhole Rollout Details Sh 6									
ELEC-1	5003	000169	**Embedded Conduit & Duct Banks:** 74 Drawings	5/14/03 5/28/03	05/19/03	05/29/03	06/11/03	ES	**Approved**		74	74
			E300 U/G Conduit Drawing Layout									
			E301 U/G Conduit Overall Site Plan									
			E302 U/G Conduit Plan Unit 1 Step-Up XFMR area									
			E303 U/G Conduit Plan Unit 1 Step-Up XFMR area									
			E304 U/G Conduit Plan Unit 2 Step-Up XFMR area									
			E306 U/G Conduit Plan CTG Unit 1 Area									
			E307 U/G Conduit Plan Unit 1 & 2 North Access Area									
			E308 U/G Conduit Plan CTG Unit 2 Area									
			E310 U/G Conduit Plan CTG Unit 1 Area									
			E311U/G Conduit Plan Unit 1 &2 North Access Area									
			E312 U/G Conduit Plan CTG Unit 2 Area									
			E313 U/G Conduit Plan Steam Turbine Area									
			E314 U/G Conduit Plan CTG Unit 1 Area									
			E315 U/G Conduit Plan Unit 1 & 2 North Access Area									
			E316 U/G Conduit Plan CTG Unit 2 Area									
			E317 U/G Conduit Plan Steam Turbine Area									
			E318 U/G Conduit Plan HRSG Unit 1 Area									
			E319 U/G Conduit Plan East Piperack Area									
			E320 U/G Conduit Plan HRSG Unit 2 Area									
			E321 U/G Conduit Plan Steam Turbine Area									
			E322 U/G Conduit Plan HRSG Unit 1 Area									
			E323 U/G Conduit Plan East Piperack Area									
			E324 U/G Conduit Plan HRSG Unit 2 Area									
			E325 U/G Conduit Plan Steam Turbine Area									
			E326 U/G Conduit Plan CTG Unit 1 Area									
			E327 U/G Conduit Plan CTG Unit 1 Area									
			E328 U/G Conduit Plan HRSG Unit 2 Area									
			E329 U/G Conduit Plan East Piperack Area									
			E330 U/G Conduit Plan HRSG Unit 1 CEMS Area									
			E331 U/G Conduit Plan HRSG Unit 2 CEMS Area									
			E332 U/G Conduit Plan HRSG Unit 2 CEMS Area									
			E333 U/G Conduit Plan Water Treatment Area									
			E335 U/G Conduit Plan Admin/Ctrl Rm/Warehouse Area									
			E336 U/G Conduit Plan Admin/Ctrl Rm/Warehouse Area									
			E337 U/G Conduit Plan Water Treatment Area									
			E339 U/G Conduit Plan Admin/Ctrl Rm/Warehouse Area									
			E340 U/G Conduit Plan Admin/Ctrl Rm/Warehouse Area									
			E341 U/G Conduit Plan Cooling Tower Area									
			E342 U/G Conduit Plan Cooling Tower Area									
			E343 U/G Conduit Plan Switchyard Area									
			E344 U/G Conduit Plan Water Treatment Area									
			E345 U/G Conduit Plan Water Treatment Area									
			E346 U/G Conduit Plan Water Treatment Area									

METCALF DOCUMENT SUBMITTAL RECORD CALPINE, B&R AND CBO												
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Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates						Comments	Documents	
				Issued Due	To Checker	From Checker	Reply	Plan Checker	Status		Submit	Respond
			E347 U/G Conduit Plan Water Treatment Area									
			E348 U/G Conduit Plan Water Treatment Area									
			E349 U/G Conduit Plan Water Treatment Area									
			E350 CTG Unit 1Embedded Conduit Plan - Sh 1									
			E351 CTG Unit 1Embedded Conduit Plan - Sh 2									
			E352 CTG Unit 1Embedded Conduit Plan - Sh 3									
			E353 CTG Unit 1Embedded Conduit Sections - Sh 1									
			E354 CTG Unit 1Embedded Conduit Sections - Sh 2									
			E355 U/G Conduit Plan Admin/Ctrl Rm/Warehouse Area									
			E356 U/G Conduit Plan Admin/Ctl Rm/Warehouse Area									
			E357 Cooling Tower Area									
			E358 Units 1 & 2 Step Up XFMR Area									
			E360 CTG Unit 2 Embedded Conduit Plan - Sh 1									
			E361 CTG Unit 2 Embedded Conduit Plan - Sh 2									
			E362 CTG Unit 2 Embedded Conduit Plan - Sh 3									
			E363 CTG Unit 2 Embedded Conduit Plan - Sh 1									
			E364 CTG Unit 2 Embedded Conduit Sections - Sh 2									
			E365 U/G Conduit Plan Unit 1 PDC Area									
			E366 U/G Conduit Plan Unit 2 PDC Area									
			E367 U/G Conduit Plan PDC - 5 Cooling Tower Area									
			E370 Duct Bank Installation Details									
			E371 Manhole Installation Details									
			E381 Duct Bank Sections - Sh 1									
			E382 Duct Bank Sections - Sh 2									
			E383 Duct Bank Sections - Sh 3									
			E384 Duct Bank Sections - Sh 4									
			E385 Duct Bank Sections - Sh 5									
			E386 Duct Bank Sections - Sh 6									
			E387 Duct Bank Sections - Sh 7									
			E388 Duct Bank Sections - Sh 8									

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE, BAR AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates						Comments	Documents	
				Issued Due	To Checker	From Checker	Reply	Plan Checker	Status		Submit	Respond
ELEC-1	5003	000171	**STG Operating Floor & Pedestal Embedded Conduit:** 2 Drawings	5/19/03 6/02/03	05/22/03	05/29/03	06/11/03	ES	Approved		2	2
			E368 STG OP FLR Embedded Conduit Plan Sh 1									
			E369 STG OP FLR Embedded Conduit Plan Sh 2									
ELEC-1	5003	000169	**Embedded Conduit & Duct Banks:** 3 Revised Drawings	10/06/03								
			E-312-R3									
			E-308-R2									
			E-366-R1									
ELEC-1	5003	000228	**Electrical U/G Conduit Plans:** 10 Drawings	01/19/04			01/29/04	Segura	Approved			
			E-300-R4									
			E-301-R4									
			E-333-R3									
			E-337-R4									
			E-340-R2									
			E-344-R2									
			E-345-R2									
			E-375-R5									
			E-387-R3									
			E-388-R4									
ELEC-1	3038		**PDCs: 8 Drawings:**	09/25/02 10/09/02	02/11/03	02/12/03		ES	Approved Not Stamped	Bart to Finish Disposition	8	0
			Drwgs E900-R1 Layout									
			E902-R1 CTG Unit 1									
			E903-R1 CTG Unit 2									
			E904-R1 HRSG Unit 1									
			E905-R1 HRSG Unit 2									
			E906-R1 Cooling Tower Unit 1									
			E907-R0 Water Treatment Area									
			E914-R0 Bus Layout									
ELEC-1	5004	000099	**Voltage Calcs:** Calcs 02484-001-07-002 Load Flow and Voltage Drop, Rev. 0 Calcs 02484-001-07-003 Short Circuit, Rev. 0	11/8/02 11/29/02	1/1/3103	4/30/2003	05/13/03	ES	Approved		2	2
ELEC-1	5004	000189	**Voltage Calcs:** 1 Letter: Follow-up Clarification	08/28/03				ES	Information Only			

METCALF DOCUMENT SUBMITTAL RECORD CALPINE, B&R AND CBO													
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Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates						Comments	Documents	
				Issued Due	To Checker	From Checker	Reply	Plan Checker	Status		Submit	Respond
ELEC-1	5005	000147	**Lighting Plans:** 32 Drawings 1Calculation	03/4/03 3/17/03	04/09/03	04/29/03	05/01/03	ES	Approved	Approved with comments	33	33
			Calculation #2484-001-07-008 Light & Power Denisty									
			E146, Panel Schedules CTG Unit #1									
			E147, Panel Schedules CTG Unit #2									
			E148, Panel Schedules CEM/HRSG Unit #1									
			E149, Panel Schedules CEM/HRSG/Unit #2									
			E150, Panel Schedules Cooling Tower									
			E152, Panel Schedules BOP Electrical/Control									
			E600, Electrical Lighting Drawing Layout									
			E601, Electrical Lighting Plant Roadway Lighting									
			E602, Electrical Lighting STG BLD GND Sh1									
			E603, Electrical Lighting STG BLD GND Sh2									
			E604, Electrical Lighting STG BLD GND Sh3									
			E605, Electrical Lighting STG BLD MEZZ Sh1									
			E606, Electrical Lighting STG BLD MEZZ Sh2									
			E607, Electrical Lighting STG BLD MEZZ Sh3									
			E608, Electrical Lighting STG BLD Operating Sh1									
			E609, Electrical Lighting STG BLD Operating Sh2									
			E610, Electrical Lighting STG BLD Operating Sh3									
			E611, Electrical Lighting Cooling Tower									
			E612, Electrical Lighting CTG Unit #1 Plan View									
			E613, Electrical Lighting CTG Unit #2 Plan View									
			E614, Electrical Lighting HRSG Unit #1 Plan View									
			E615, Electrical Lighting HRSG Unit #1 East Elvat									
			E616, Electrical Lighting HRSG Unit #1 West Elvat									
			E617, Electrical Lighting HRSG Unit #2 Plan View									
			E618, Electrical Lighting HRSG Unit #2 East Elvat									
			E619, Electrical Lighting HRSG Unit #2 West Elvat									
			E620, Electrical Lighting Pipe Rack & Walkways									
			E651, Lighting Details & Fixture Schedule									
			E652, Lighting Control Diagram PDC 1, 2, 3									
			E653, Lighting Control Diagram PDC-3									
			E654, Lighting Control Diagtram PDC-4									
			E655, Lighting Control Diagram STG BLD Electrical room									
ELEC-1	5005	000187	**Lighting Plans:** 1 Letter of Clarification	8/28/2003	08/29/03				Information Only	No response Required	1	1
ELEC-1	5005	000224	**Lighting Plans:** 14 Drawings	12/22/03			01/23/04	Segura	Approved	Approval for CBO only CEC provided their own comments.		
			E601, Electrical Lighting Plant Roadway Lighting									
			E609, Electrical Lighting STG BLD Operating Sh2									
			E612, Electrical Lighting CTG Unit #1 Plan View									
			E613, Electrical Lighting CTG Unit #2 Plan View									
			E615, Electrical Lighting HRSG Unit #1 East Elvat									
			E616, Electrical Lighting HRSG Unit #1 West Elvat									
			E617, Electrical Lighting HRSG Unit #2 Plan View									
			E618, Electrical Lighting HRSG Unit #2 East Elvat									
			E619, Electrical Lighting HRSG Unit #2 West Elvat									
			E620, Electrical Lighting Pipe Rack & Walkways									
			E651, Lighting Details & Fixture Schedule									
			E653, Lighting Control Diagram PDC-3									
			E654, Lighting Control Diagtram PDC-4									
			E655, Lighting Control Diagram STG BLD Electrical room									

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE, B&R AND CBO

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			Issue No. GC-066: MEC Lighting Plan VIS-3 Response	6/28/2004	07/12/04							
											Total: 270	Total: 278

Status Code

A - Approved	P - Approved upon sign-off by Engineer, Inspector or Geotech, or other Third Party indicated by CBO.
I - Accepted as for information only	D - Discussion pending between CBO, Engineer, Geotech, Inspector or other party
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				Issued Due	To Checker	From Checker	Resp-onse	Plan Checker	Status		Submit	Respond
STRUC-1	7001	Calpine Transmittal 00249	**Switchyard Structure:** 1 Calc, 1 Drawing: Power Engineers Inc. Calculation# 150312-01 Drawing# C02-1 Rev B	03/28/03	05/01/03			GJ	Approved	Sent note saying piles need to be on composite pile plan andsubmit in full size drawings	2	0
TSE	7002	Calpine Transmittal 00274	**Switchyard Plans:** 65 Drawings: C01 Foundation Plan EP02 Electrical Assembly Plan EP03-1 Electrical Elevations Sh 1 EP03-2 Electrical Elevations Sh 2 EP04 Fence & Grounding Plan EP05 Fence & Grounding Details EP10-1 Electrical Material List Sh 1 of 2 EP11 Assembly & Ctrl Bldng Nameplate schedule	03/28/03	05/01/03			ES			65	
TSE	7002		E01 One-Line Diagram E02-1 Relay One-Line Diagram Sh 1 E02-2 Relay One-Line Diagram Sh 2 E03 Three-Line Diagram E04 Three-Line Diagram Circuit Breaker 242 E05 Three-Line Diagram Circuit Breaker 442 E06 Three-Line Diagram Circuit Breaker 232 E07 Three-Line Diagram Circuit Breaker 332 E08 Three-Line Diagram Circuit Breaker 432 E09 Three-Line Diagram 230kV Bus 1 & 2									
TSE	7002		E10 Station Service AC Panel Schematic E11 Station Service DC Panel Schematic E12 01-03-GSU-XF-301XFMR Differ Relay Schematic E13 Trmal Differ & CB 242 BKR Failure Relay Schematic E14 CB 442 Breaker Failure Relay Schematic E15 01-01-GSU-XF-101 XFMR Differ Relay Schematic E16 Trmal Differ & CB 232 BKR Failure Relay Schematic E17 CB 332 Breaker Failure Relay Schematic E18 01-02-GSU-XF-201 XFMR Differ Relay Schematic E19 Trmal Differ & CB 432 BKR Failure Relay Schemtic									
TSE	7002		E20-1 Annunciator Win Layout & Engraving E20-2 Annunciator Schematic Sh 2									
TSE	7002		E20-3 Annunciator Schematic Sh 3 E20-4 Annunciator Schematic Sh 4 E20-5 Annunciator Schematic Sh 5									

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WILLDAN CBO PROJECT NO. 13254

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TSE	7002		E21-1 Breaker 242 Trip Cir #1 Schematic E21-2 Breaker 242 Trip Cir #2 Schematic E21-3 Breaker 242 Close Cir Schematic E21-4 Breaker 242 Alarm & AUX Schematic E21-5 Breaker 242 Motor, Heater & Receptacle Cir Sch E22-1 Breaker 442 Trip Cir #1 Schematic E22-2 Breaker 442 Trip Cir #2 Schematic E22-3 Breaker 442 Close Cir Schematic E22-4 Breaker 442 Alarm & AUX Schematic E22-5 Breaker 442 Motor, Heater & Receptacle Cir Sch E23-1 Breaker 232 Trip Cir #1 Schematic E23-2 Breaker 232 Trip Cir #2 Schematic E23-3 Breaker 232 Close Cir Schematic E23-4 Breaker 232 Alarm & AUX Schematic E23-5 Breaker 232 Motor, Heater &Receptacle Cir Sch									
			E24-1 Breaker 332 Trip Cir #1 Schematic E24-2 Breaker 332 Trip Cir #2 Schematic E24-3 Breaker 332 Close Cir Schematic E24-4 Breaker 332 Alarm & AUX Schematic E24-5 Breaker 332 Motor, Heater & Receptacle Cir Sch E25-1 Breaker 432 Trip Cir #1 Schematic E25-2 Breaker 432 Trip Cir #2 Schematic E25-3 Breaker 432 Close Cir Schematic E25-4 Breaker 432 Alarm & AUX Schematic E25-5 Breaker 432 Motor, Heater & Receptacle Cir Sch									
TSE	7002	Calpine Transmittal 00274	E26-1 MOD 247 Trip & Close Cir Schematic Sh 1 E26-2 MOD 247 Heater & AUX Cir Schematic Sh 2 E29-1 Switchboard Panel Assembly Sh 1 of 2 E29-2 Switchboard Panel Assembly Sh 2 of 2 E30 Switchboard Panel Assembly Material List E31-1 Switchboard Panel Asmbly Nameplate Sched Sh 1 E31-2 Switchboard Panel Asmbly Nameplate Sched Sh 2									
TSE	7003	Calpine 00492	**Underground 230 KV to Switch Yard** 2 Drawings one Letter/Email	xx/xx/xx					Not Approved			
			Drwg: P1-1 Plan and Profile for 230kv Under Ground									
			Drwg: U1-1 Detail drawing for 230kv Underground									
			eMail Phase Certification By Dennis Weber 8/26/03									
TSE	7003	Calpine 00694	**Underground 230 KV to Switch Yard** 2 Drawings one Letter/Email	10/07/03					NOT APPROVED			
			Drwg: P1-1 Plan and Profile for 230kv Under Ground									
			Drwg: U1-1 Detail drawing for 230kv Underground									
TSE	7003	Calpine 00953	**Underground 230 KV to Switch Yard** 1 Letter, 1 Calc, 1 Certification	11/11/03			11/12/03		**APPROVED**			
			Certified Pull Tension Calculations									
			Calpine Letter # 300 transmittal									
			E-mail from Terry Kawaguchi Manufacturer's Certification									

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TSE	7004	Capine Trans:01081	**Switch Yard Layout and Electrical Details:** 22 Drawings - 95% Design	12/06/03				Segura Carr				
TSE	7004	Capine Trans: 01628 Sub: 16320	**Switch Yard Layout and Electrical Details:** 21 Drawings - 100% design	03/09/04				Segura Carr		No structurals No detailed Fire Protection		
			Switch Yard Drawings Sigened to Expedite Construction 14 Drawings by Power Engineers							Signed on 5/28/04		
			EP06, R-0 Conduit and Duct Bank									
			EP07-1, R-0 Pull Box Conduit Details									
			EP07-2, R-0 Conduit Details									
			EP07-3, R-0 Pull Box Details									
			Ep12, R-0 Conduit Schedule									
			P1-1, R0 Plan and Profiles for Circuits STG: CTG-1, CTG-2									
			U1-1, R0 Circuits STG; CTG-1; CTG-2									
			C01, R0 Foundation Plan									
			C02-2, R0 Foundation Details Sheet 2									
			C02-3, RA Foundation Details, Sheet 3									
TSE	7005	Calpine Trans: 02425 Sub: 16320-SD-007	**Switchyard Layout Relay One Line Diagrams** E02-1, Rev. 1, Relay One Line Diagram Sheet 1 E02-2, Rev. 1, Relay One-Line Diagram Sheet 1	06/02/04	06/02/04	06/04/04	06/04/04	Segura	**Approved**	Signed Approved and returned to Calpine 6/4/2004	2	2

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TSE		**No Transmittal**	**Switch Yard Steel Structures by Stoddard Steel Co. Structural and Electrical Drawings.**	07/02/04	07/02/04	07/20/04	07/20/04	HK	Conditionally Approved			
			Frames									
			Lolly Columns									
			Lolly Columns									
			CCVT Structures									
			Columns									
			Frames									
TSE		**Calpine Transmittal 02876**	**Switch Yard Stell Structures by Stoddard Steel Co Submittal No.: 16320-SD-010**	07/16/04	07/16/04	07/23/04	07/23/04	HK	**Approved**			
			Drawing: STR 106 Erection - E1									
TSE		**Calpine Transmittal 02855**	**Atkinson Power Center Submittal No. 16320-DS-009 TSE Switchyard Control House**	07/14/04	07/14/04			Hk				
			Drawing: C7741-00-R1 Outline/Legend Design Critedria									
			Drawing: D7741-00-R2 Anchoring /Shipping Support layout									
			Drawing: D7741-01-R1 Outline-Plan View									
			Drawing: D7741-02-R1 Outline Elevation View									
			Drawing: D7741-03-R1 Outline View									
			Structural Calculations									
TSE		**Calpine Transmittal 02921**	**Control House Foundation Submittal Np. 16320-SD-008**	06/17/04	06/17/04	07/23/04	07/23/04	BB	**Approved**			

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TSE		Calpine Transmittal 02921	230KV H-Frame Terminator STR W/Worm Gear Op. Submittal No. 16320-SD-011	07/20/04	07/20/04	07/27/04	07/27/04	Hk	Approved			
			Drawing: 724-E2, R4									
			Drawing: 724-4, R4									
			Drawing: 724-5, R3									
			Drawing: 724-6, R3									
			Drawing: 724-8, R2									
TSE			230KV H- Frame Terminator STR w/Auto Gear Op	07/20/04	07/20/04	07/27/04	07/27/04	Hk	Approved			
			Drawing: 724-E2A, R3									
			Drawing: 724-4A, R4									
			Drawing: 724-5A, R2									
			Drawing: 724-6A, R2									
			Drawing: 724-8A, R2									

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				Issued Due	To Checker	From Checker	Resp-onse	Plan Checker	Status		Submit	Respond

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CALPINE - BCR AND CBO

WILLDAN CBO PROJECT NO. 13254

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