April 28, 2009

Dockets Unit  
California Energy Commission  
1516 Ninth Street, MS 4  
Sacramento, CA 95814

RE: Marsh Landing Generating Station  
AFC CEC Docket No. 08-AFC-3

On behalf of Mirant Marsh Landing, LLC, the applicant for the Marsh Landing Generating Station (MLGS), we are pleased to submit the enclosed document:

- Three print copies of Appendix 10A (Switching Files) for the Updated System Impact Study for the Marsh Landing Generating Station. The Updated System Impact Study was previously submitted to the CEC in February 2009.

Please include this document in the AFC record.

URS Corporation  
ORIGINAL SIGNED  

Anne Connell  
Project Manager

Enclosure

cc: Mike Monasmith
Application for Certification (08-AFC-03) for MARSH LANDING GENERATING STATION Contra Costa County, California

April 2009

Prepared for:

Prepared by:
Mirant Marsh Landing, LLC
Marsh Landing Generating Station
Interconnection into PG&E’s Contra Costa Switchyard

APPENDIX 10A – SWITCHING FILES (*.swt) Used for Transient Stability Analysis

April 6, 2009
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Introduction

CEC Staff requested the switching files used to model contingencies in the Marsh Landing Generating Station (MLGS) transient stability analysis (February 28, 2009 APPENDIX 10 – Results of Transient Stability Analysis). This document provides the requested switching files (*.swt) used to model the contingencies studied showing the name of the faulted bus, type of fault, clearing time in cycles of the contingency, etc.

The MLGS transient stability analysis modeled the category B and C outages described below. The media used to represent these outages is normally in separate files, known as *.swt files or switching files, each modeling separate contingencies. All of these files are concatenated in this document for easy verification by CEC Staff.

Category B Contingencies

The following list reflects all of the concatenated switch deck files for modeling category B contingencies (single contingencies or N-1) utilized in the MLGS transient stability analysis. Please note that 500kV transmission outages do not utilize Remedial Action Scheme (RAS); however, the overall results modeled without RAS show both contingencies modeled in pre-project and post-project cases are stable. The results of the transient stability analysis show no transient stability issues introduced by the MLGS. The modeling of RAS associated with the 500kV outages would only improve the results.

**TABLE MOUNTAIN-VACA-DIXON 500kV LINE OUTAGE**

* Switch deck file name “B-101_N-1_TABLE_MT-VACA-DIX_500.swt”

**** CASE NUMBER **** 101
FB 60.0 "VACA-DIX" 500.00
CFB 64.0 "VACA-DIX" 500.00
DL 64.0 "TABLE MT" 500.00 "VACA-DIX" 500.00 "1"

**TABLE MOUNTAIN-TESLA 500kV LINE OUTAGE**

* Switch deck file name “B-102_N-1_TABLE_MT-TESLA_500.swt”

**** CASE NUMBER **** 102
FB 60.0 "TESLA " 500.00
CFB 64.0 "TESLA " 500.00
DL 64.0 "TABLE MT" 500.00 "TESLA " 500.00 "1"

**VACA-DIXON-TESLA 500kV LINE OUTAGE**

* Switch deck file name “B-103_N-1_VACA-DIX-TESLA_500.swt”

**** CASE NUMBER **** 102
FB 60.0 "TESLA " 500.00
CFB 64.0 "TESLA " 500.00
DL 64.0 "TABLE MT" 500.00 "TESLA " 500.00 "1"

**MAXWELL-TRACY 500kV LINE OUTAGE**

* Switch deck file name “B-104_N-1_MAXWELL-TRACY_500.swt”
**** CASE NUMBER **** 104
FB 60.0 "TRACY " 500.00
CFB 64.0 "TRACY " 500.00
DL 64.0 "MAXWELL " 500.00 "TRACY " 500.00 "1"

**TRACY-LOS BANOS 500kV LINE OUTAGE**

* Switch deck file name “B-105_N-1_TRACY-LOSBANOS_500.swt”
**** CASE NUMBER **** 105
FB 60.0 "TRACY " 500.00
CFB 64.0 "TRACY " 500.00
DL 64.0 "TRACY " 500.00 "LOSBANOS" 500.00 "1"

**TRACY-TESLA 500kV LINE OUTAGE**

* Switch deck file name “B-106_N-1_TRACY-TESLA_500.swt”
**** CASE NUMBER **** 106
FB 60.0 "TESLA " 500.00
CFB 64.0 "TESLA " 500.00
DL 64.0 "TRACY " 500.00 "TESLA " 500.00 "1"

**TESLA-METCALF 500kV LINE OUTAGE**

* Switch deck file name “B-107_N-1_TESLA-METCALF_500.swt”
**** CASE NUMBER **** 107
FB 60.0 "TESLA " 500.00
CFB 64.0 "TESLA " 500.00
DL 64.0 "TESLA " 500.00 "METCALF " 500.00 "1"

**TESLA- LOS BANOS 500kV LINE OUTAGE**

* Switch deck file name “B-108_N-1_TESLA-LOSBANOS_500.swt”
**** CASE NUMBER **** 108
FB 60.0 "TESLA " 500.00
CFB 64.0 "TESLA " 500.00
DL 64.0 "TESLA " 500.00 "LOSBANOS" 500.00 "1"
METCALF-MOSS LANDING 500kV LINE OUTAGE

* Switch deck file name “B-109_N-1_METCALF-MOSSLAND_500.swt”
**** CASE NUMBER **** 109
FB 60.0 "METCALF" 500.00
CFB 64.0 "METCALF " 500.00
DL 64.0 "METCALF " 500.00 "MOSSLAND" 500.00 "1"

MOSS LANDING-LOS BANOS 500kV LINE OUTAGE

* Switch deck file name “B-110_N-1_MOSSLAND-LOSBANOS_500.swt”
**** CASE NUMBER **** 110
FB 60.0 "LOSBANOS" 500.00
CFB 64.0 "LOSBANOS" 500.00
DL 64.0 "MOSSLAND" 500.00 "LOSBANOS" 500.00 "1"

CONTRA COSTA SUB-BIRDS LANDING SWST 230kV LINE OUTAGE

* Switch deck file name “B-128_N-1_CC_SUB-BDLSWSTA_230.swt”
**** CASE NUMBER **** 128
FB 60.0 "CC SUB " 230.00
CFB 66.0 "CC SUB " 230.00
DL 66.0 "CC SUB " 230.00 "BDLSWSTA" 230.00 "1"

CONTRA COSTA-GATEWAY 230kV LINE OUTAGE

* Switch deck file name “B-129_N-1_C_COSTA-GATEWAY_230.swt”
**** CASE NUMBER **** 129
FB 60.0 "C COSTA " 230.00
CFB 66.0 "C COSTA " 230.00
DL 66.0 "C COSTA " 230.00 "GATEWAY " 230.00 "1"

CONTRA COSTA SUB-CONTRA COSTA 230kV LINE OUTAGE

* Switch deck file name “B-130_N-1_CC_SUB-C_COSTA_230.swt”
**** CASE NUMBER **** 130
FB 60.0 "C COSTA " 230.00
CFB 66.0 "C COSTA " 230.00
DL 66.0 "CC SUB " 230.00 "C COSTA " 230.00 "1"
CONTRA COSTA- BIRDS LANDING SWST 230kV LINE OUTAGE

* Switch deck file name “B-131_N-1_C_COSTA-BDLSWSTA_230.swt”
**** CASE NUMBER **** 131
FB  60.0 "C.COSTA " 230.00
CFB 66.0 "C.COSTA " 230.00
DL  66.0 "BDLSWSTA" 230.00 "C.COSTA " 230.00 "1"

CONTRA COSTA- MORAGA 230kV #1 LINE OUTAGE

* Switch deck file name “B-132_N-1_C_COSTA-MORAGA_230_1.swt”
**** CASE NUMBER **** 132
FB  60.0 "C.COSTA " 230.00
CFB 66.0 "C.COSTA " 230.00
DL  66.0 "C.COSTA " 230.00 "ROSTAP1" 230.00 "1"
DL  66.0 "ROSTAP1" 230.00 "MORAGA " 230.00 "1"
DL  66.0 "ROSTAP1" 230.00 "ROSSMOOR" 230.00 "1"

CONTRA COSTA- MORAGA 230kV #2 LINE OUTAGE

* Switch deck file name “B-133_N-1_C_COSTA-MORAGA_230_2.swt”
**** CASE NUMBER **** 133
FB  60.0 "C.COSTA " 230.00
CFB 66.0 "C.COSTA " 230.00
DL  66.0 "C.COSTA " 230.00 "ROSTAP2" 230.00 "2"
DL  66.0 "ROSTAP2" 230.00 "MORAGA " 230.00 "2"

CONTRA COSTA- BRENTWOOD 230kV LINE OUTAGE

* Switch deck file name “B-134_N-1_C_COSTA-BRENTWOD_230.swt”
**** CASE NUMBER **** 134
FB  60.0 "C.COSTA " 230.00
CFB 66.0 "C.COSTA " 230.00
DL  66.0 "C.COSTA " 230.00 "BRENTWOD" 230.00 "1"

CONTRA COSTA- DELTA PUMP 230kV LINE OUTAGE

* Switch deck file name “B-135_N-1_C_COSTA-DLTAPMP_230.swt”
**** CASE NUMBER **** 135
FB  60.0 "C.COSTA " 230.00
CONTRA COSTA- LAS POSITAS 230kV LINE OUTAGE

* Switch deck file name “B-136_N-1_C_COSTA-LS_PSTAS_230.swt”
**** CASE NUMBER **** 136
FB 60.0 "C.COSTA " 230.00
CFB 66.0 "C.COSTA " 230.00
DL 66.0 "C.COSTA " 230.00 "LS PSTAS" 230.00 "1"

CONTRA COSTA- LONETREE 230kV LINE OUTAGE

* Switch deck file name “B-137_N-1_LONETREE-C_COSTA_230.swt”
**** CASE NUMBER **** 137
FB 60.0 "C.COSTA " 230.00
CFB 66.0 "C.COSTA " 230.00
DL 66.0 "C.COSTA " 230.00 "LONETREE" 230.00 "1"

PITTSBURG-DEC 230kV #1 LINE OUTAGE

* Switch deck file name “B-139_N-1_PITSBRG_D-DEC_1_230.swt”
**** CASE NUMBER **** 139
FB 60.0 "PITSBG D" 230.00
CFB 66.0 "PITSBG D" 230.00
DL 66.0 "PITSBG D" 230.00 "DEC PTSG" 230.00 "1"

PITTSBURG-DEC 230kV #2 LINE OUTAGE

* Switch deck file name “B-140_N-1_PITSBRG_D-DEC_2_230.swt”
**** CASE NUMBER **** 140
FB 60.0 "PITSBG D" 230.00
CFB 66.0 "PITSBG D" 230.00
DL 66.0 "PITSBG D" 230.00 "DEC PTSG" 230.00 "2"

PITTSBURG-SAN RAMON 230kV LINE OUTAGE

* Switch deck file name “B-141_N-1_PITSBRG_D-SANRAMON_230.swt”
**** CASE NUMBER **** 141
FB 60.0 "PITSBG D" 230.00
CFB 66.0 "PITSBG D" 230.00
DL 66.0 "PITSBG D" 230.00 "SANRAMON" 230.00 "1"

PITTSBURG-TASSAJARA 230kV LINE OUTAGE

* Switch deck file name “B-142_N-1_PITSBRG_D-TASSAJAR_230.swt”
**** CASE NUMBER **** 142
FB 60.0 "PITSBG D" 230.00
CFB 66.0 "PITSBG D" 230.00
DL 66.0 "PITSBG D" 230.00 "TASSAJAR" 230.00 "1"

PITTSBURG-TIDE WATER 230kV LINE OUTAGE

* Switch deck file name “B-143_N-1_PITSBRG_E-TIDEWATR_230.swt”
**** CASE NUMBER **** 143
FB 60.0 "PITSBG E" 230.00
CFB 66.0 "PITSBG E" 230.00
DL 66.0 "PITSBG E" 230.00 "TIDEWATR" 230.00 "1"

PITTSBURG-TESORO 230kV LINE OUTAGE

* Switch deck file name “B-144_N-1_PITSBRG_E-TESORO_230.swt”
**** CASE NUMBER **** 144
FB 60.0 "PITSBG E" 230.00
CFB 66.0 "PITSBG E" 230.00
DL 66.0 "PITSBG E" 230.00 "TESORO " 230.00 "1"

PITTSBURG-EAST SHORE 230kV LINE OUTAGE

* Switch deck file name “B-145_N-1_PITSBRG_E-E_SHORE_230.swt”
**** CASE NUMBER **** 145
FB 60.0 "PITSBG E" 230.00
CFB 66.0 "PITSBG E" 230.00
DL 66.0 "PITSBG E" 230.00 "E. SHORE" 230.00 "1"

PITTSBURG-TELESCO 230kV #1 LINE OUTAGE

* Switch deck file name “B-146_N-1_PITSBRG_E-TELESCO_230_1.swt”
**** CASE NUMBER **** 146
FB 60.0 "PITSBG E" 230.00
CFB 66.0 "PITSBG E" 230.00
DL 66.0 "PITSBG E" 230.00 "FLOWD2" 230.00 "1"
DL 66.0 "FLOWD3-6" 9.11 "FLOWIND2" 230.00 "1"
DL 66.0 "FLOWD2" 230.00 "TESLA C " 230.00 "1"

**PITTSBURG-tesla C 230KV #2 LINE OUTAGE**

* Switch deck file name “B-147_N-1_PITSBRG_E-tesla_C_230_2.swt”

**** CASE NUMBER **** 147
FB 60.0 "PITSBG E" 230.00
CFB 66.0 "PITSBG E" 230.00
DL 66.0 "PITSBG E" 230.00 "TRES VAQ" 230.00 "2"
DL 66.0 "TRSVQ+NW" 9.11 "TRES VAQ" 230.00 "1"
DL 66.0 "TRES VAQ" 230.00 "TESLA C " 230.00 "2"

**PITTSBURG-SAN MATEO 230KV LINE OUTAGE**

* Switch deck file name “B-148_N-1_PITSBRG_E-SANMATEO_230.swt”

**** CASE NUMBER **** 148
FB 60.0 "PITSBG E" 230.00
CFB 66.0 "PITSBG E" 230.00
DL 66.0 "PITSBG E" 230.00 "SANMATEO" 230.00 "1"

**PITTSBURG-POTRERO DC CABLE OUTAGE**

* Switch deck file name “B-154_N-1_PITSBURG-POTRERO_DC.swt”

**** CASE NUMBER **** 154
FB 60.0 "VSC_PTSB" 180.5
CFB 66.0 "VSC_PTSB" 180.5
TG 66.0 "VSC_PTSB" 180.5 "1"
TG 66.0 "VSC_POTR" 180.5 "1"

**PITTSBURG-CLAYTON 115KV #1 LINE OUTAGE**

* Switch deck file name “B-231_N-1_PITSBURG-CLAYTN_115_1.swt”

**** CASE NUMBER **** 231
FB 60.0 "PITSBURG" 115.00
CFB 66.0 "PITSBURG" 115.00
DL 66.0 "PITSBURG" 115.00 "CLAYTN " 115.00 "1"
PITTSBURG-CLAYTON 115kV #4 LINE OUTAGE

* Switch deck file name “B-232_N-1_PITSBURG-CLAYTN_115_4.swt”
**** CASE NUMBER **** 232
FB 60.0 "PITSBURG" 115.00
CFB 66.0 "PITSBURG" 115.00
DL 66.0 "PITSBURG" 115.00 "CLAYTN " 115.00 "4"

PITTSBURG-LMEC 115kV #1 CABLE OUTAGE

* Switch deck file name “B-233_N-1_PITSBURG-LMEC_115_1.swt”
**** CASE NUMBER **** 233
FB 60.0 "PITSBURG" 115.00
CFB 66.0 "PITSBURG" 115.00
DL 66.0 "PITSBURG" 115.00 "LMEC " 115.00 "1"

PITTSBURG-LMEC 115kV #2 CABLE OUTAGE

* Switch deck file name “B-234_N-1_PITSBURG-LMEC_115_2.swt”
**** CASE NUMBER **** 234
FB 60.0 "PITSBURG" 115.00
CFB 66.0 "PITSBURG" 115.00
DL 66.0 "PITSBURG" 115.00 "LMEC " 115.00 "2"

PITTSBURG-MARTINEZ E 115kV #2 LINE OUTAGE

* Switch deck file name “B-235_N-1_PITSBURG-MARTNZ_E_115_2.swt”
**** CASE NUMBER **** 235
FB 60.0 "PITSBURG" 115.00
CFB 66.0 "PITSBURG" 115.00
DL 66.0 "PITSBURG" 115.00 "BOLLMAN2" 115.00 "2"
DL 66.0 "IMHOFF_2" 115.00 "BOLLMAN2" 115.00 "2"
DL 66.0 "MARTNZ E" 115.00 "IMHOFF_2" 115.00 "2"
DL 66.0 "IMHOFF " 115.00 "IMHOFF_2" 115.00 "2"
DL 66.0 "IMHOFF " 115.00 "CCCSD " 12.47 "1"
TG 66.0 "CCCSD " 12.47 "1"
DB 66.0 "CCCSD " 12.47
DB 66.0 "IMHOFF " 115.00
DB 66.0 "IMHOFF_2" 115.00
DB 66.0 "BOLLMAN2" 115.00

**PITTSBURG-MARTINEZ E 115kV #1 LINE OUTAGE**

* Switch deck file name “B-236_N-1_PITSBURG-MARTNZ_E_115_1.swt”
**** CASE NUMBER **** 236
FB 60.0 "PITSBURG" 115.00
CFB 66.0 "PITSBURG" 115.00
DL 66.0 "PITSBURG" 115.00  "W.P.BART" 115.00  "1"
DL 66.0 "BOLLMAN1" 115.00  "W.P.BART" 115.00  "1"
DL 66.0 "IMHOFF_1" 115.00  "BOLLMAN1" 115.00  "1"
DL 66.0 "MARTNZ E" 115.00  "IMHOFF_1" 115.00  "1"
DB 66.0 "W.P.BART" 115.00
DB 66.0 "BOLLMAN1" 115.00
DB 66.0 "BOLLMAN" 115.00
DB 66.0 "IMHOFF_1" 115.00

**PITTSBURG-COLUMBIA STEEL JCT 115kV LINE OUTAGE**

* Switch deck file name “B-237_N-1_PITSBURG-COLSTJT1_115.swt”
**** CASE NUMBER **** 237
FB 60.0 "PITSBURG" 115.00
CFB 66.0 "PITSBURG" 115.00
DL 66.0 "PITSBURG" 115.00  "COLSTJT1" 115.00  "1"
DL 66.0 "COLSTJT1" 115.00  "LINDETP1" 115.00  "1"

**PITTSBURG-CLAYTON 115kV #3 LINE OUTAGE**

* Switch deck file name “B-238_N-1_PITSBURG-CLAYTN_115_3.swt”
**** CASE NUMBER **** 238
FB 60.0 "PITSBURG" 115.00
CFB 66.0 "PITSBURG" 115.00
DL 66.0 "PITSBURG" 115.00  "KIRKTAP1" 115.00  "3"
DL 66.0 "CLAYTN" 115.00  "KIRKTAP1" 115.00  "3"

**PITTSBURG-KIRKER-POSCO 115kV LINE OUTAGE**

* Switch deck file name “B-239_N-1_PITSBURG-KIRKER-POSCO_115.swt”
**** CASE NUMBER **** 239
FB 60.0 "PITSBURG" 115.00
CFB 66.0 "PITSBURG" 115.00
DL 66.0 "PITSBURG" 115.00 "KIRKTAPE2" 115.00 "1"
DL 66.0 "KIRKER " 115.00 "KIRKTAPE2" 115.00 "1"
DL 66.0 "COLSTJT2" 115.00 "KIRKTAPE2" 115.00 "1"

**CONTRA COSTA SUB-FIBER BOARD JCT-CROWN Z 115kV LINE OUTAGE**

* Switch deck file name “B-247_N-1_CC_SUB-FIBRJCT1-CROWNZ_115.swt”
**** CASE NUMBER **** 247
FB 60.0 "CC SUB " 115.00
CFB 66.0 "CC SUB " 115.00
DL 66.0 "CC SUB " 115.00 "FIBRJCT2" 115.00 "1"
DL 66.0 "DOMTAR " 115.00 "FIBRJCT2" 115.00 "1"
DL 66.0 "FIBRBJCT" 115.00 "FIBRJCT2" 115.00 "1"
DL 66.0 "FIBRBJCT" 115.00 "CROWN Z " 115.00 "1"
DL 66.0 "GWF #3 " 13.80 "CROWN Z " 115.00 "1"
TG 66.0 "GWF #3 " 13.80 "1"
MBL 66.0 "DOMTAR " 115.00 "1" D
MBL 66.0 "GWF #3 " 13.80 "SG" D

**CONTRA COSTA SUB-FIBER BOARD JCT-RVEC115kV LINE OUTAGE**

* Switch deck file name “B-248_N-1_CC_SUB-FIBRJCT1-REC_115.swt”
**** CASE NUMBER **** 248
FB 60.0 "CC SUB " 115.00
CFB 66.0 "CC SUB " 115.00
DL 66.0 "CC SUB " 115.00 "CC JCT " 115.00 "1"
DL 66.0 "FIBRJCT1" 115.00 "CC JCT " 115.00 "1"
DL 66.0 "FIBRJCT1" 115.00 "RVECTP " 115.00 "1"
DL 66.0 "RVEC " 115.00 "RVECTP " 115.00 "1"

**CONTRA COSTA SUB-DUPONT JCT 60kV LINE OUTAGE**

* Switch deck file name “B-367_N-1_CC_SUB-DUPNTJCT_60.swt”
**** CASE NUMBER **** 367
FB 60.0 "CC SUB " 60.00
CFB 72.0 "CC SUB " 60.00
CONTRA COSTA SUB-BALFOUR 60kV LINE OUTAGE

* Switch deck file name “B-368_N-1_CC_SUB-BALFOUR_60.swt”
**** CASE NUMBER **** 368
FB 60.0 "CC SUB " 60.00
CFB 72.0 "CC SUB " 60.00
DL 72.0 "CC SUB " 60.00 "DUPNTJCT" 60.00 "1"
DL 72.0 "DUPNTJCT" 60.00 "BALFRJCT" 60.00 "1"
DL 72.0 "BALFRJCT" 60.00 "MARSH " 60.00 "1"
DL 72.0 "BALFRJCT" 60.00 "BALFOUR " 60.00 "1"
DL 72.0 "BRIONES " 60.00 "MARSH " 60.00 "1"
MBL 72.0 "BRIONES " 60.00 "1" D

ANTIOCH-CONTRA COSTA SUB 60kV LINE OUTAGE

* Switch deck file name “B-370_N-1_ANTIOCH-CC_SUB_60.swt”
**** CASE NUMBER **** 370
FB 60.0 "CC SUB " 60.00
CFB 72.0 "CC SUB " 60.00
DL 72.0 "ANTIOCH " 60.00 "CC SUB " 60.00 "1"
MBL 72.0 "ANTIOCH " 60.00 "1" D

WILLOW PASS-CONTRA COSTA SUB 60kV LINE OUTAGE

* Switch deck file name “B-371_N-1_WLLW_PSS-CC_SUB_60.swt”
**** CASE NUMBER **** 371
FB 60.0 "CC SUB " 60.00
CFB 72.0 "CC SUB " 60.00
DL 72.0 "SHLL CHM" 60.00 "SHLLCHMT" 60.00 "1"
DL 72.0 "SHLL CHM" 60.00 "WLLW PSS" 60.00 "1"
DL 72.0 "CC SUB " 60.00 "SHLLCHMT" 60.00 "1"
DL 72.0 "PITTSBRG" 60.00 "SHLLCHMT" 60.00 "1"
DL 72.0 "PITTSBRG" 60.00 "GWF #1 " 9.11 "1"
MBL 72.0 "SHLL CHM" 60.00 "1" D
MBL 72.0 "GWF #1 " 9.11 "SG" D
TG 72.0 "GWF #1 " 9.11 "1"

**VACA DIXON 500/230kV TRANSFORMER BANK #11 OUTAGE**

* Switch deck file name “B-403_T-1_VACA-DIX_500-230_11.swt”
**** CASE NUMBER **** 403
FB 60.0 "VACA-DIX" 500.00
CFB 64.0 "VACA-DIX" 500.00
DL 64.0 "VACA-DIX" 500.00 "VACA-DIX" 230.00 "11"

**VACA DIXON 500/230kV TRANSFORMER BANK #12 OUTAGE**

* Switch deck file name “B-404_T-1_VACA-DIX_500-230_12.swt”
**** CASE NUMBER **** 404
FB 60.0 "VACA-DIX" 500.00
CFB 64.0 "VACA-DIX" 500.00
DL 64.0 "VACA-DIX" 500.00 "VACA-DIX" 230.00 "12"

**TESLA 500/230kV TRANSFORMER BANK #2 OUTAGE**

* Switch deck file name “B-405_T-1_TESLA_500-230_2.swt”
**** CASE NUMBER **** 405
FB 60.0 "TESLA " 500.00
CFB 64.0 "TESLA " 500.00
DL 64.0 "TESLA " 500.00 "TESLA E " 230.00 "2"

**TESLA 500/230kV TRANSFORMER BANK #6 OUTAGE**

* Switch deck file name “B-406_T-1_TESLA_500-230_6.swt”
**** CASE NUMBER **** 406
FB 60.0 "TESLA " 500.00
CFB 64.0 "TESLA " 500.00
DL 64.0 "TESLA " 500.00 "TESLA C " 230.00 "6"

**TESLA 500/230kV TRANSFORMER BANK #4 OUTAGE**

* Switch deck file name “B-407_T-1_TESLA_500-230_4.swt”
**** CASE NUMBER **** 407
METCALF 500/230kV TRANSFORMER BANK #11 OUTAGE

* Switch deck file name “B-408_T-1_METCALF_500-230_11.swt”
**** CASE NUMBER **** 408
FB 60.0 "METCALF " 500.00
CFB 64.0 "METCALF " 500.00
DL 64.0 "METCALF " 230.00 "METCALF " 500.00 "11"

METCALF 500/230kV TRANSFORMER BANK #12 OUTAGE

* Switch deck file name “B-409_T-1_METCALF_500-230_12.swt”
**** CASE NUMBER **** 409
FB 60.0 "METCALF " 500.00
CFB 64.0 "METCALF " 500.00
DL 64.0 "METCALF " 230.00 "METCALF " 500.00 "12"

METCALF 500/230kV TRANSFORMER BANK #13 OUTAGE

* Switch deck file name “B-410_T-1_METCALF_500-230_13.swt”
**** CASE NUMBER **** 410
FB 60.0 "METCALF " 500.00
CFB 64.0 "METCALF " 500.00
DL 64.0 "METCALF " 230.00 "METCALF " 500.00 "13"

TRACY 500/230kV TRANSFORMER BANK #1 OUTAGE

* Switch deck file name “B-411_T-1_TRACY_500-230_1.swt”
**** CASE NUMBER **** 411
FB 60.0 "TRACY " 500.00
CFB 64.0 "TRACY " 500.00
DL 64.0 "TRACY " 500.00 "TRCY PMP" 230.00 "1"

TRACY 500/230kV TRANSFORMER BANK #2 OUTAGE

* Switch deck file name “B-412_T-1_TRACY_500-230_2.swt”
**** CASE NUMBER **** 412
FB 60.0 "TRACY " 500.00
CFB 64.0 "TRACY " 500.00
DL 64.0 "TRACY " 500.00 "TRCY PMP" 230.00 "2"

CONTRA COSTA SUB 230/115kV TRANSFORMER BANK #3 OUTAGE

* Switch deck file name “B-413_T-1_CC_SUB_230-115_3.swt”
**** CASE NUMBER **** 413
FB 60.0 "CC SUB " 230.00
CFB 66.0 "CC SUB " 230.00
DL 66.0 "CC SUB " 230.00 "CC SUB " 115.00 "3"

PITTSBURG 230/115kV TRANSFORMER BANK #12 OUTAGE

* Switch deck file name “B-417_T-1_PITSBG_D_230-115_12.swt”
**** CASE NUMBER **** 417
FB 60.0 "PITSBG D" 230.00
CFB 66.0 "PITSBG D" 230.00
DL 66.0 "PITSBURG" 115.00 "PITSBG D" 230.00 "12"

PITTSBURG 230/115kV TRANSFORMER BANK #13 OUTAGE

* Switch deck file name “B-418_T-1_PITSBG_D_230-115_13.swt”
**** CASE NUMBER **** 418
FB 60.0 "PITSBG D" 230.00
CFB 66.0 "PITSBG D" 230.00
DL 66.0 "PITSBURG" 115.00 "PITSBG D" 230.00 "13"

CONTRA COSTA SUB 230/115kV TRANSFORMER BANK #3 OUTAGE

* Switch deck file name “B-421_T-1_CC_SUB_230-115_3.swt”
**** CASE NUMBER **** 421
FB 60.0 "CC SUB " 230.00
CFB 66.0 "CC SUB " 230.00
DL 66.0 "CC SUB " 115.00 "CC SUB " 230.00 "3"

CONTRA COSTA SUB 115/60kV TRANSFORMER BANK #1 OUTAGE

* Switch deck file name “B-454_T-1_CC_SUB_115-60_1.swt”
**** CASE NUMBER **** 454
FB 60.0 "CC SUB " 115.00
CFB 66.0 "CC SUB " 115.00
CONTRA COSTA SUB 115/60kV TRANSFORMER BANK #2 OUTAGE

* Switch deck file name “B-455_T-1_CC_SUB_115-60_2.swt”
**** CASE NUMBER **** 455
FB 60.0 "CC SUB " 115.00
CFB 66.0 "CC SUB " 115.00
DL 66.0 "CC SUB " 60.00 "CC SUB " 115.00 "2"

COMPLETE MARSH LANDING PLANT OUTAGE

* Switch deck file name “B-488_G-1_MRSHLNDG_PLANT.swt”
**** CASE NUMBER **** 488
TG 60.0 "MIR_CT_1" 16.50 "1"
TG 60.0 "MIR_ST_1" 13.80 "2"
TG 60.0 "MIR_CT_2" 16.50 "3"
TG 60.0 "MIR_ST_2" 13.80 "4"
TG 60.0 "MIR_CT_3" 16.50 "5"
TG 60.0 "MIR_CT_4" 16.50 "6"

DEC PLANT OUTAGE

* Switch deck file name “B-498_G-1_DEC_PLANT.swt”
**** CASE NUMBER **** 498
TG 60.0 "DEC STG1" 24.00 "1"
TG 60.0 "DEC CTG1" 18.00 "1"
TG 60.0 "DEC CTG2" 18.00 "1"
TG 60.0 "DEC CTG3" 18.00 "1"

LMEC PLANT OUTAGE

* Switch deck file name “B-502_G-1_LMEC_PLANT.swt”
**** CASE NUMBER **** 502
TG 60.0 "LMECC1" 18.00 "1"
TG 60.0 "LMECC2" 18.00 "1"
TG 60.0 "LMECST1" 18.00 "1"

CONTRA COSTA UNIT #6 OUTAGE

* Switch deck file name “B-511_G-1_C_COSTA_6.swt”
**** CASE NUMBER **** 511
TG  60.0 "C.COS 6 " 18.00 "1"
MBL 60.0 "C.COS 6 " 18.00 "ss" D

CONTRA COSTA UNIT #7 OUTAGE

* Switch deck file name “B-512_G-1_C_COSTA_7.swt”
**** CASE NUMBER **** 512
TG  60.0 "C.COS 7 " 18.00 "1"

PITTSBURG UNIT #5 OUTAGE

* Switch deck file name “B-513_G-1_PTRS_5.swt”
**** CASE NUMBER **** 513
TG  60.0 "PTSB  5 " 18.00 "1"

PITTSBURG UNIT #6 OUTAGE

* Switch deck file name “B-514_G-1_PTRS_6.swt”
**** CASE NUMBER **** 514
TG  60.0 "PTSB  6 " 18.00 "1"

PITTSBURG UNIT #7 OUTAGE

* Switch deck file name “B-515_G-1_PTRS_7.swt”
**** CASE NUMBER **** 515
TG  60.0 "PTSB  7 " 20.00 "1"

MARSH LANDING CC1 OUTAGE

* Switch deck file name “B-997_G-1_MRSHLNDG_CC1.swt”
**** CASE NUMBER **** 997
TG  60.0 "MIR_CT_1" 16.50 "1"
TG  60.0 "MIR_ST_1" 13.80 "2"

MARSH LANDING CC2 OUTAGE

* Switch deck file name “B-998_G-1_MRSHLNDG_CC2.swt”
**** CASE NUMBER **** 998
TG  60.0 "MIR_CT_2" 16.50 "3"
TG  60.0 "MIR_ST_2" 13.80 "4"
MARSH LANDING CTS OUTAGE

* Switch deck file name “B-999_G-1_MRSHLNDG_CTS.swt”
**** CASE NUMBER **** 999
TG 60.0 "MIR_CT_3" 16.50 "5"
TG 60.0 "MIR_CT_4" 16.50 "6"

Category C Contingencies

The following list reflects all of concatenated switch deck files for modeling category C contingencies (double contingencies or N-2 or bus section outages) utilized in the MLGS transient stability analysis.

N-2 COCO-BIRDS LANDING & CONTRA COSTA SUB - BIRDS LANDING 230kV LINES

* Switch deck file name “C-111_N-2_BDLSTWA-C_COSTA-CC_SUB_230.swt”
**** CASE NUMBER **** 111
FB 60.0 "BDLSTWA" 230.00
CFB 66.0 "BDLSTWA" 230.00
DL 66.0 "BDLSTWA" 230.00 "C.COSTA " 230.00 "1"
DL 66.0 "BDLSTWA" 230.00 "CC SUB " 230.00 "1"

N-2 CONTRA COSTA SUB – COCO & BIRDS LANDING - CONTRA COSTA SUB 230kV LINES

* Switch deck file name “C-112_N-2_CC_SUB-C_COSTA-BDLSTWA_230.swt”
**** CASE NUMBER **** 112
FB 60.0 "CC SUB " 230.00
CFB 66.0 "CC SUB " 230.00
DL 66.0 "CC SUB " 230.00 "C.COSTA " 230.00 "1"
DL 66.0 "BDLSTWA" 230.00 "CC SUB " 230.00 "1"

N-2 CONTRA COSTA-MORAGA 230kV #1 & #2 LINES

* Switch deck file name “C-113_N-2_C_COSTA-MORAGA_230_1-2.swt”
**** CASE NUMBER **** 113
FB 60.0 "C.COSTA " 230.00
CFB 66.0 "C.COSTA " 230.00
DL 66.0 "C.COSTA " 230.00 "ROSSTAP1" 230.00 "1"
DL 66.0 "ROSSTAP1" 230.00 "MORAGA " 230.00 "1"
DL 66.0 "ROSSTAP1" 230.00 "ROSSMOOR" 230.00 "1"
DL 66.0 "C.COSTA " 230.00 "ROSSTAP2" 230.00 "2"
N-2 CONTRA COSTA-LOS PSTAS & CONTRA COSTA - CAYETANO 230kV LINES

* Switch deck file name “C-114_N-2_C_COSTA-LS_PSTAS-CAYETANO_230.swt”
**** CASE NUMBER **** 114
FB  60.0 "C.COSTA "  230.00
CFB 66.0 "C.COSTA "  230.00
DL  66.0 "C.COSTA "  230.00  "LS PSTAS"  230.00  "1"
DL  66.0 "C.COSTA "  230.00  "LONETREE"  230.00  "1"
DL  66.0 "LONETREE"  230.00  "USWP-JRW"  230.00  "1"
DL  66.0 "USWP-JRW"  230.00  "CAYETANO"  230.00  "1"
DL  66.0 "USWP-JRW"  230.00  "USWP #3 "  9.11  "1"
MBL 66.0 "USWP #3 "  9.11  "SG" D

N-2 CAYETANO - NDUBLIN & CONTRA COSTA - CAYETANO 230kV LINES

* Switch deck file name “C-115_N-2_CAYETANO-NDUBLIN-C_COSTA_230.swt”
**** CASE NUMBER **** 115
FB  60.0 "CAYETANO"  230.00
CFB 66.0 "CAYETANO"  230.00
DL  66.0 "CAYETANO"  230.00  "NDUBLIN "  230.00  "1"
DL  66.0 "C.COSTA "  230.00  "LONETREE"  230.00  "1"
DL  66.0 "LONETREE"  230.00  "USWP-JRW"  230.00  "1"
DL  66.0 "USWP-JRW"  230.00  "CAYETANO"  230.00  "1"
DL  66.0 "USWP-JRW"  230.00  "USWP #3 "  9.11  "1"
MBL 66.0 "USWP #3 "  9.11  "SG" D

N-2 PITTSBURG - TESORO & PITTSBURG - TIDEWATER 230kV LINES

* Switch deck file name “C-116_N-2_PITSBG_E-TESORO-TIDEWATR_230.swt”
**** CASE NUMBER **** 116
FB  60.0 "PITSBG E"  230.00
CFB 66.0 "PITSBG E"  230.00
DL  66.0 "PITSBG E"  230.00  "TESORO "  230.00  "1"
DL  66.0 "PITSBG E"  230.00  "TIDEWATR"  230.00  "1"
N-2 PITTSBURG - SANMATEO & PITTSBURG - EAST SHORE 230kV LINES
* Switch deck file name “C-118_N-2_PITSBG_E-SANMATEO-E_SHORE_230.swt”
**** CASE NUMBER **** 118
FB  60.0 "PITSBG E" 230.00
CFB 66.0 "PITSBG E" 230.00
DL  66.0 "PITSBG E" 230.00 "SANMATEO" 230.00 "1"
DL  66.0 "PITSBG E" 230.00 "E. SHORE" 230.00 "1"

N-2 PITTSBURG - TESLA #1 & #2 230kV LINES
* Switch deck file name “C-119_N-2_PITSBG_E-TESLA_230_1-2.swt”
**** CASE NUMBER **** 119
FB  60.0 "PITSBG E" 230.00
CFB 66.0 "PITSBG E" 230.00
DL  66.0 "PITSBG E" 230.00 "TRES VAQ" 230.00 "2"
DL  66.0 "TRSVQ+NW"  9.11 "TRES VAQ" 230.00 "1"
DL  66.0 "TRES VAQ" 230.00 "TESLA C"  230.00 "2"
DL  66.0 "PITSBG E" 230.00 "FLOWIND2" 230.00 "1"
DL  66.0 "FLOWD3-6"  9.11 "FLOWIND2" 230.00 "1"
DL  66.0 "FLOWIND2" 230.00 "TESLA C"  230.00 "1"

N-2 PITTSBURG - TASSAJARA & PITTSBURG - SAN RAMON 230kV LINES
* Switch deck file name “C-120_N-2_PITSBG_D-SANRAMON-TASSAJAR_230.swt”
**** CASE NUMBER **** 120
FB  60.0 "PITSBG D" 230.00
CFB 66.0 "PITSBG D" 230.00
DL  66.0 "PITSBG D" 230.00 "SANRAMON" 230.00 "1"
DL  66.0 "PITSBG D" 230.00 "TASSAJAR" 230.00 "1"

N-2 NORTH DUBLIN - VINYARD & CONTRA COSTA - LOS PASITAS 230kV LINES
* Switch deck file name “C-128_N-2_NDBLN-VINYD_CCOSTA-LSPSTAS_230.swt”
**** CASE NUMBER **** 128
FB  60.0 "C.COSTA " 230.00
CFB 66.0 "C.COSTA " 230.00
DL  66.0 "NDBLN " 230.00 "VINEYD_D" 230.00 "1"
DL  66.0 "C.COSTA " 230.00 "LS PSTAS" 230.00 "1"
N-2 PITTSBURG - SANRAMON&TASSAJAR - NEWARK 230kV LINES

*  Switch deck file name “C-139_N-2_PITSBGD-SNRAMN_TASSJR-NWRK_230.swt”
**** CASE NUMBER **** 139
FB  60.0 "PITSBG D" 230.00
CFB 66.0 "PITSBG D" 230.00
DL  66.0 "TASSAJAR" 230.00 "TES JCT " 230.00 "1"
DL  66.0 "TES JCT " 230.00 "RESEARCH" 230.00 "1"
DL  66.0 "TES JCT " 230.00 "NEWARK E" 230.00 "1"
DB  66.0 "RESEARCH" 230.00
DB  66.0 "TES JCT " 230.00
DL  66.0 "PITSBG D" 230.00 "SANRAMON" 230.00 "1"

N-2 PITTSBURG - SAN MATEO & EAST SHORE - SAN MATEO 230kV LINES

*  Switch deck file name “C-124_N-2_SANMATEO-PITSBG_E-E_SHORE_230.swt”
**** CASE NUMBER **** 124
FB  60.0 "SANMATEO" 230.00
CFB 66.0 "SANMATEO" 230.00
DL  66.0 "PITSBG E" 230.00 "SANMATEO" 230.00 "1"
DL  66.0 "E. SHORE" 230.00 "SANMATEO" 230.00 "1"

N-2 PITTSBURG - MARTZ 115kV #1 & #2 LINES

*  Switch deck file name “C-158_N-2_PITSBURG-MARTNZ_E_115_1-2.swt”
**** CASE NUMBER **** 158
FB  60.0 "PITSBURG" 115.00
CFB 66.0 "PITSBURG" 115.00
DL  66.0 "PITSBURG" 115.00 "W.P.BART" 115.00 "1"
DL  66.0 "BOLLMAN1" 115.00 "W.P.BART" 115.00 "1"
DL  66.0 "IMHOFF_1" 115.00 "BOLLMAN1" 115.00 "1"
DL  66.0 "MARTNZ E" 115.00 "IMHOFF_1" 115.00 "1"
DL  66.0 "PITSBURG" 115.00 "BOLLMAN2" 115.00 "2"
DL  66.0 "IMHOFF_2" 115.00 "BOLLMAN2" 115.00 "2"
DL  66.0 "MARTNZ E" 115.00 "IMHOFF_2" 115.00 "2"
DL  66.0 "IMHOFF " 115.00 "IMHOFF_2" 115.00 "2"
DL  66.0 "IMHOFF " 115.00 "CCCSD " 12.47 "1"
CONTRA COSTA SUB 230kV BUS SECTION 1 OUTAGE

* Switch deck file name “C-210_B-1_CC_SUB_230_1.swt”

*** CASE NUMBER *** 210
FB 60.0 "CC SUB " 230.00
CFB 66.0 "CC SUB " 230.00
DL 66.0 "CC SUB " 230.00 "BDLSWSTA" 230.00 "1"
DL 66.0 "CC SUB " 230.00 "CC SUB " 115.00 "3"
MBL 66.0 "CC SUB " 230.00 "9" D

CONTRA COSTA SUB 230kV BUS SECTION 2 OUTAGE

* Switch deck file name “C-211_B-1_CC_SUB_230_2.swt”

*** CASE NUMBER *** 211
FB 60.0 "CC SUB " 230.00
CFB 66.0 "CC SUB " 230.00
DL 66.0 "CC SUB " 230.00 "C.COSTA " 230.00 "1"
MBL 66.0 "CC SUB " 230.00 "8" D

CONTRA COSTA PP 230kV BUS SECTION 1 D OUTAGE

* Switch deck file name “C-212_B-1_C_COSTA_230_1-D.swt”

*** CASE NUMBER *** 212
FB 60.0 "CC SUB " 230.00
CFB 66.0 "CC SUB " 230.00
DL 66.0 "CC SUB " 230.00 "C.COSTA " 230.00 "1"
**CONTRA COSTA PP 230kV BUS SECTION 2 D OUTAGE**

* Switch deck file name “C-213_B-1_C_COSTA_230_2-D.swt”

**** CASE NUMBER **** 213

FB 60.0 "C.COSTA " 230.00
CFB 66.0 "C.COSTA " 230.00
DL 66.0 "BDLSWSTA" 230.00 "C.COSTA " 230.00 "1"

**CONTRA COSTA PP 230kV BUS SECTION 1 E OUTAGE**

* Switch deck file name “C-214_B-1_C_COSTA_230_1-E.swt”

**** CASE NUMBER **** 214

FB 60.0 "C.COSTA " 230.00
CFB 66.0 "C.COSTA " 230.00
DL 66.0 "LS PSTAS" 230.00 "C.COSTA " 230.00 "1"
DL 66.0 "C.COS 5 " 13.80 "C.COSTA " 230.00 "1"

**CONTRA COSTA PP 230kV BUS SECTION 2 E OUTAGE**

* Switch deck file name “C-215_B-1_C_COSTA_230_2-E.swt”

**** CASE NUMBER **** 215

FB 60.0 "C.COSTA " 230.00
CFB 66.0 "C.COSTA " 230.00
DL 66.0 "LONETREE" 230.00 "C.COSTA " 230.00 "1"
DL 66.0 "C.COS 4 " 13.80 "C.COSTA " 230.00 "1"

**CONTRA COSTA PP 230kV BUS SECTION 1 F OUTAGE**

* Switch deck file name “C-216_B-1_C_COSTA_230_1-F.swt”

**** CASE NUMBER **** 216

FB 60.0 "C.COSTA " 230.00
CFB 66.0 "C.COSTA " 230.00
DL 66.0 "BRENTWOD" 230.00 "C.COSTA " 230.00 "1"
DL 66.0 "ROSSTAP1" 230.00 "C.COSTA " 230.00 "1"
DL 66.0 "C.COS 7 " 18.00 "C.COSTA " 230.00 "1"

**CONTRA COSTA PP 230kV BUS SECTION 2 F OUTAGE**

* Switch deck file name “C-217_B-1_C_COSTA_230_2-F.swt”

**** CASE NUMBER **** 217
FB 60.0 "C.COSTA" 230.00
CFB 66.0 "C.COSTA" 230.00
DL 66.0 "WND MSTR" 230.00 "C.COSTA" 230.00 "1"
DL 66.0 "ROSSTAP2" 230.00 "C.COSTA" 230.00 "2"
DL 66.0 "C.COS 6" 18.00 "C.COSTA" 230.00 "1"

PITTSBURG 230kV BUS SECTION 1 D OUTAGE

* Switch deck file name “C-219_B-1_PITSBG_D_230_1-D.swt”
**** CASE NUMBER **** 219
FB 60.0 "PITSBG D" 230.00
CFB 66.0 "PITSBG D" 230.00
DL 66.0 "PITSBG D" 230.00 "TASSAJAR" 230.00 "1"
DL 66.0 "PITSBG D" 230.00 "DEC PTSG" 230.00 "1"
DL 66.0 "PITSBG D" 230.00 "PITSBURG" 115.00 "13"

PITTSBURG 230kV BUS SECTION 2 D OUTAGE

* Switch deck file name “C-220_B-1_PITSBG_D_230_2-D.swt”
**** CASE NUMBER **** 220
FB 60.0 "PITSBG D" 230.00
CFB 66.0 "PITSBG D" 230.00
DL 66.0 "PITSBG D" 230.00 "SANRAMON" 230.00 "1"
DL 66.0 "PITSBG D" 230.00 "DEC PTSG" 230.00 "2"
DL 66.0 "PITSBG D" 230.00 "PITSBURG" 115.00 "12"

PITTSBURG 230kV BUS SECTION 1 E OUTAGE

* Switch deck file name “C-221_B-1_PITSBG_E_230_1-E.swt”
**** CASE NUMBER **** 221
FB 60.0 "PITSBG E" 230.00
CFB 66.0 "PITSBG E" 230.00
DL 66.0 "PITSBG E" 230.00 "TIDEWATR" 230.00 "1"
DL 66.0 "PITSBG E" 230.00 "E. SHORE" 230.00 "1"
DL 66.0 "PITSBG E" 230.00 "FLOWIND2" 230.00 "1"
DL 66.0 "PITSBG E" 230.00 "PTSB 7" 20.00 "1"
PITTSBURG 230kV BUS SECTION 2 E OUTAGE

* Switch deck file name “C-222_B-1_PITSBG_E_230_2-E.swt”
**** CASE NUMBER **** 222
FB 60.0 "PITSBG E" 230.00
CFB 66.0 "PITSBG E" 230.00
DL 66.0 "PITSBG E" 230.00 "TESORO " 230.00 "1"
DL 66.0 "PITSBG E" 230.00 "TRES VAQ" 230.00 "2"
DL 66.0 "PITSBG E" 230.00 "SANMATEO" 230.00 "1"
DL 66.0 "PITSBG E" 230.00 "PTSB 5" 18.00 "1"
DL 66.0 "PITSBG E" 230.00 "PTSB 5" 18.00 "2"
DL 66.0 "PITSBG E" 230.00 "PTSB 6" 18.00 "1"
DL 66.0 "PITSBG E" 230.00 "PTSB 6" 18.00 "2"

PITTSBURG 115kV BUS SECTION 1 OUTAGE

* Switch deck file name “C-232_B-1_PITSBURG_115_1.swt”
**** CASE NUMBER **** 232
FB 60.0 "PITSBURG" 115.00
CFB 66.0 "PITSBURG" 115.00
DL 66.0 "PITSBURG" 115.00 "W.P.BART" 115.00 "1"
DL 66.0 "PITSBURG" 115.00 "COLSTJT1" 115.00 "1"
DL 66.0 "PITSBURG" 115.00 "LMEC " 115.00 "1"
DL 66.0 "PITSBURG" 115.00 "KIRKTP1" 115.00 "3"
DL 66.0 "PITSBURG" 115.00 "PITSBG D" 230.00 "13"

PITTSBURG 115kV BUS SECTION 2 OUTAGE

* Switch deck file name “C-233_B-1_PITSBURG_115_2.swt”
**** CASE NUMBER **** 233
FB 60.0 "PITSBURG" 115.00
CFB 66.0 "PITSBURG" 115.00
DL 66.0 "PITSBURG" 115.00 "CLAYTN " 115.00 "1"
DL 66.0 "PITSBURG" 115.00 "CLAYTN " 115.00 "4"
DL 66.0 "PITSBURG" 115.00 "LMEC " 115.00 "2"
DL 66.0 "PITSBURG" 115.00 "BOLLMAN2" 115.00 "2"
DL 66.0 "PITSBURG" 115.00 "KIRKTP2" 115.00 "1"
CONTRA COSTA SUB 115kV BUS SECTION 1 OUTAGE

* Switch deck file name “C-242_B-1_CC_SUB_115_1.swt”
**** CASE NUMBER **** 242
FB 60.0 "CC SUB " 115.00
CFB 66.0 "CC SUB " 115.00
DL 66.0 "CC SUB " 115.00 "CC JCT " 115.00 "1"
DL 66.0 "CC SUB " 115.00 "CC SUB " 230.00 "3"
DL 66.0 "CC SUB " 115.00 "CC SUB " 60.00 "1"
MBL 66.0 "CC SUB " 115.00 "4" D

CONTRA COSTA SUB 115kV BUS SECTION 2 OUTAGE

* Switch deck file name “C-243_B-1_CC_SUB_115_2.swt”
**** CASE NUMBER **** 243
FB 60.0 "CC SUB " 115.00
CFB 66.0 "CC SUB " 115.00
DL 66.0 "CC SUB " 115.00 "FIBRJCT2" 115.00 "1"
DL 66.0 "CC SUB " 115.00 "CC SUB " 60.00 "2"
APPLICATION FOR CERTIFICATION
FOR THE MARSH LANDING
GENERATING STATION

DOCKET No. 08-AFC-3
PROOF OF SERVICE
(REVISED 2/26/2009)

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DECLARATION OF SERVICE

I, Catherine Short, declare that on April 29, 2009, I served and filed copies of the attached Updated System Impact Study: Appendix 10A. The original document, filed with the Docket Unit, is accompanied by a copy of the most recent Proof of Service list, located on the web page for this project at: [http://www.energy.ca.gov/sitingcases/marshlanding/index.html]. The document has been sent to both the other parties in this proceeding (as shown on the Proof of Service list) and to the Commission’s Docket Unit, in the following manner:

(Check all that Apply)

For service to all other parties:

__X__ sent electronically to all email addresses on the Proof of Service list;

_____ by personal delivery or by depositing in the United States mail at Sacramento, California with first-class postage thereon fully prepaid and addressed as provided on the Proof of Service list above to those addresses NOT marked “email preferred.”

AND

For filing with the Energy Commission:

__X__ sending an original paper copy and one electronic copy, mailed and emailed respectively, to the address below (preferred method);

OR

_____ depositing in the mail an original and 12 paper copies, as follows:

CALIFORNIA ENERGY COMMISSION

Attn: Docket No. 08-AFC-3
1516 Ninth Street, MS-4
Sacramento, CA 95814-5512

docket@energy.state.ca.us

I declare under penalty of perjury that the foregoing is true and correct.

[Signature]