LEGEND

- Fenceline Boundary of Solar Field (3,805 acres) *Includes Common Areas, Switchyard and Gas Metering Yard
- Biological Study Area (BSA)
- ROW Corridor approx. 1,641 ac.
  (1,300 ft. corridor, approx 650ft. from c/l; approx acres: 1196 BLM, 445 Private)
- Colorado River Substation Gen-tie Area (approx. 114 ac.)
- CRS Substation (77 ac.)
- State Boundary
- County Boundary
- 5 Mile Buffer Distance from Towers and Proposed 230kV Transmission Line
- Area of Critical Environmental Concern
- 100-year Floodplain
- National Wilderness Preservation Area
- Desert Tortoise Critical Habitat
- Major Highway

Total Project Acreage: 5,955 ac. (Draft Fenceline Boundary 3805 ac., Construction Area 103 ac., Transmission Line 1641 ac., Gen-Tie Areas 114 ac., Bradshaw Trail Access Corridor to improve 71 ac., 34th Ave Access Road Corridor to improve 25 ac., SCE 33kV Service Line 196 ac.)

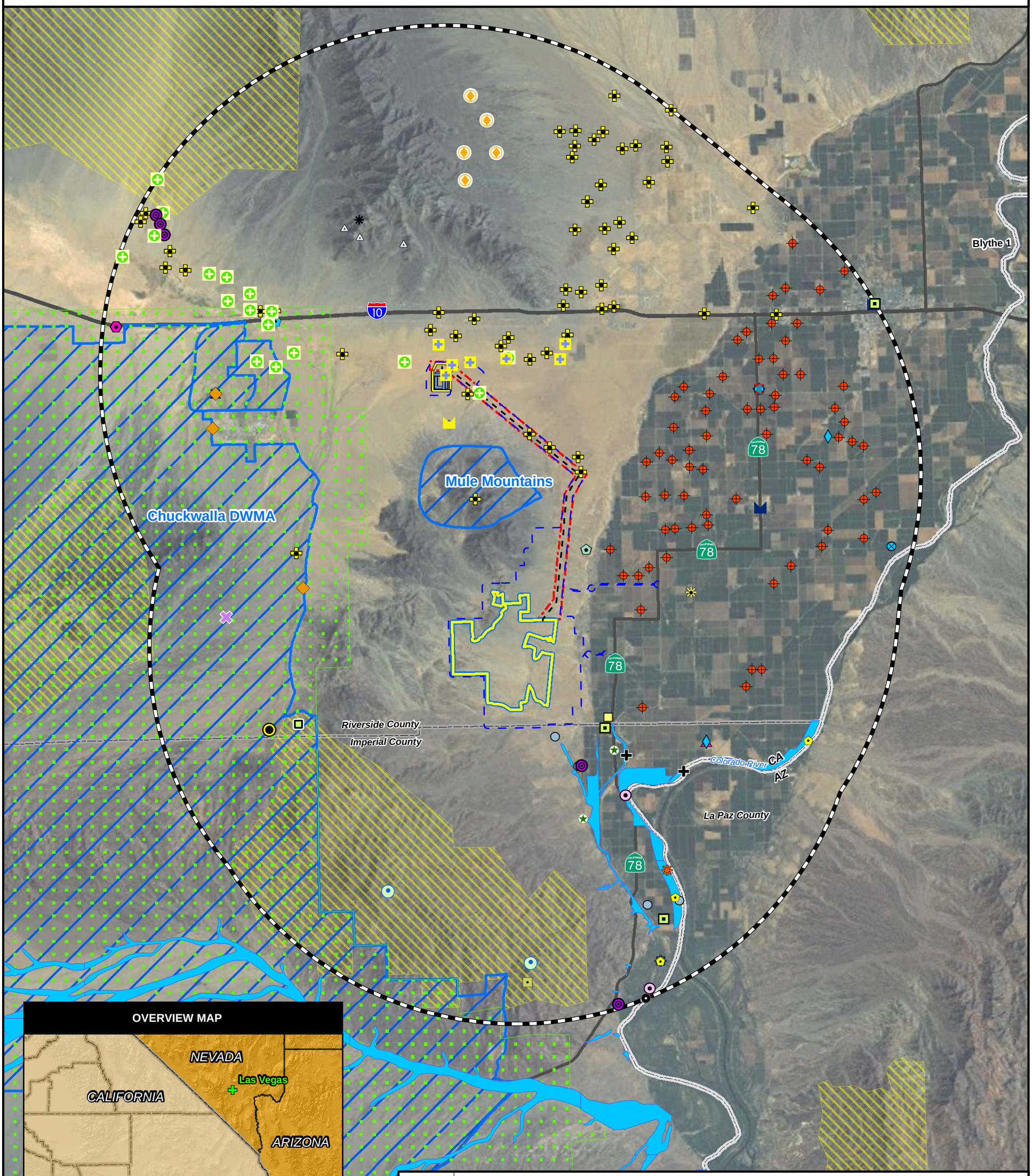
CNDDB Sensitive Species May 2011

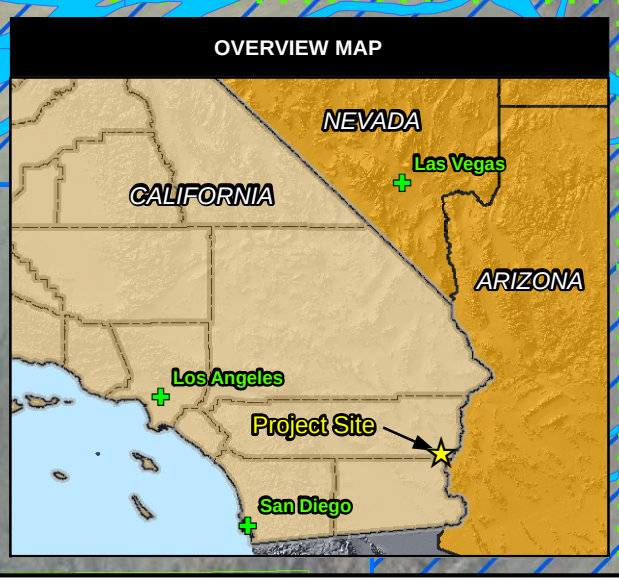
Animal

- American badger
- Arizona Myotis
- Arizona bell's vireo
- California Mccoy snail
- California leaf-nosed bat
- Colorado River cotton rat
- Colorado Valley woodrat
- Colorado pikeminnow
- Couch's spadefoot
- Crissal thrasher
- Gila woodpecker
- Le Conte's thrasher
- Mojave fringe-toed lizard
- Townsend's big-eared bat
- Yuma clapper rail
- black-tailed gnatcatcher
- burrowing owl
- cave myotis
- desert tortoise
- great blue heron
- great egret
- hoary bat
- loggerhead shrike
- pallid San Diego pocket mouse
- pallid bat
- razorback sucker
- vermilion flycatcher
- western yellow bat
- western yellow-billed cuckoo
- yellow-breasted chat

Plant

- Abrams' spurge
- Darlington's blazing star
- Emory's crucifixion-thorn
- Harwood's eriastrum
- Harwood's milk-vetch
- Las Animas colubrina
- Wiggins' cholla
- bitter hymenoxys
- dwarf germander
- saguaro
- sand evening-primrose





SOURCES: Draft Solar Field Layout & Fenceline(Bechtel, 6-13-2012). Transmission Line Corridor (URS, 6-14-2012). Roads, County, State Boundary (ESRI, 2007). Sensitive Species (CNDDB, 2011). ACEC (BLM, 2008). Imagery (NAIP 2009). Desert Tortoise Critical Habitat (USFWS, 2010). Natural Wilderness Preserve (National Atlas, 2005). 100-year Flood (FEMA, 1993). Biological Study Area (URS, 2011).

CNDDB DATA AND LAND CONSERVATION DESIGNATIONS IN THE PROJECT VICINITY RIO MESA SOLAR ELECTRIC GENERATING FACILITY

URS

1.5 0 1.5 3 Miles

SCALE: 1" = 2 miles (1:19008,0)
SCALE CORRECT WHEN PRINTED AT 11X17

CREATED BY: CM	DATE: 6/29/2012	FIG. NO: 5.2-1 (REV)
PM:AL	PROJ. NO: 27651006.50506	

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Impacts

- Permanent Direct Impact
- Permanent Indirect Impact
- Temporary Direct Impact
- Temporary Indirect Impact

Vegetation Type and Total Acreage (11478.5 ac)

- 1 - Creosote / White Burr Sage Scrub (4119.3 ac)
- 2 - Blue Palo Verde / Ironwood Woodland (2338.4 ac)
- 3 - Creosote Bush Scrub (2885.8 ac)
- 4 - Bush Seepweed Scrub / Mesquite Bosque (98.6 ac)
- 5 - Creosote Bush / White Burr Sage Scrub with Ocotillo Association (68.6 ac)
- 6 - Creosote Bush / White Burr Sage Scrub with Big Galleta Grass Association (998.3 ac)
- 7 - Brittle Bush / Ferocactus Scrub (199.5 ac)
- 8 - Desert Dunes (528.8 ac)
- 9 - Bush Seepweed Scrub (7.5 ac)
- 10 - Agriculture (85.7 ac)
- 11 - Developed/Open channel (0.8 ac)
- 12 - Ruderal (55.1 ac)
- 99 - Not Surveyed - No right of entry at time of survey (55.0 ac)

Project Features

- Fenceline Boundary of Solar Field (3,805 acres) *Includes Common Areas, Switchyard and Gas Metering Yard
- Common Areas Boundary (19.5 acres) *Included in Fenceline acres
- Switchyard (2.47 acres) *Included in Fenceline acres
- Gas Metering Yard (0.52 acres) *Included in Fenceline acres
- Temporary Construction Logistics Area (103 acres)
- Private Land Owned by MWD (approx. 6,741 ac.)
- Private Lands within the Project (approx. acres: 67 T-line)
- Private Lands within the Project - Right of Entry Obtained (approx. 386 ac.)
- Bradshaw Trail Off Site
- Existing Gas Line (50ft. easement corridor, gas line is off-centered, 12.5ft. west of eastern easement boundary)

Access Road Corridors to be Improved

- 34th Ave Access Road Corridor to be Improved (1.02 mile, 200ft. corridor, 100ft. from c/l, 25 ac.)
- Bradshaw Trail Access Road Corridor to be Improved 2.96 miles, 200ft. corridor, 100ft. from c/l, 71 ac.)
- Drainage Crossing Upgrade (500ft. radius from center point, 18 ac. each; 72 ac. total)

Proposed 33kV Service Line

- SCE 33kV Proposed Service (Existing ROW overbuild) (approx. 5.1 miles, 200 ft. corridor, 100 ft. from c/l, 119 ac.)
- SCE 33kV Proposed Service (New ROW) (approx. 3.1 miles, 200 ft. corridor, 100 ft. c/l, 77 ac. total)
- ROW Corridor approx. 1,641 ac. (1,300 ft. corridor, approx 650ft. from c/l; approx acres: 1196 BLM, 445 Private)
- CRS Substation (77 ac.)
- Colorado River Substation Gen-tie Area (approx. 114 ac.)
- City/Town
- County Boundary

Existing Transmission Lines

- 161 kV
- 220 kV
- 500 kV

Land Ownership

- US Bureau of Land Management (2,598 ac.within project)
- Unclassified (5,749 ac. within project)
- Parcel Boundary
- PLSS Section Line

Total Project Acreage: 5,955 ac. (Draft Fenceline Boundary 3805 ac., Construction Area 103 ac., Transmission Line 1641 ac., Gen-Tie Areas 114 ac., Bradshaw Trail Access Corridor to improve 71 ac., 34th Ave Access Road Corridor to improve 25 ac., SCE 33kV Service Line 196 ac.)

Buck-Julian Hinds - 220kV
Imperial Irrigation District - 161kV
W. Area Power Administration - 161kV
Southern California Edison - 500kV
22nd Ave
Rannells Blvd
28th Ave
Bradshaw Trail
Imperial Irrigation District - 161kV
Bradshaw Trail
Hodges Drain
32nd Ave
34th Ave
W. Area Power Administration 161kV
Existing Gas Line
Palo Verde
Riverside County
Imperial County

SOURCES: Draft Solar Field Layout & Fenceline (Bechtel, 5-18-2012). Transmission Line Corridor, MWD Land, Private Lands, Existing Gasline (VTN, 3-15-2011). Buck-Julian Hinds 220kV (Power Engineers, 8-2011). Transmission Line Centerline (Power Engineers, 5-7-2012). CRS Substation, Potential Gen-tie Area (Power Engineers, 5-7-2012). Aerial Imagery (NAIP, 5-25-2009). County, State Boundaries, Roads, Bradshaw Trail (ESRI, 2007). Parcels (BLM, 2006). Land Ownership (BLM, 3-03-2011). Existing Transmission Lines, Existing Substations (Platts, 2009). PLSS Sections (BLM, 12-11-2007). Improved Access Roads, Drainage Crossing Upgrade, Vegetation (URS, 3-18-2011). 33kV Proposed Service Transmission Lines (BSE, 2011).

VEGETATION MAP
RIO MESA SOLAR
ELECTRIC GENERATING FACILITY

URS

2000 0 2000 4000 Feet

SCALE: 1" = 4000' (1:48,000)

SCALE CORRECT WHEN PRINTED AT 11X17

CREATED BY: CM | DATE: 7/3/2012 | FIG. NO: **5.2-2 (REV)**

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Early Spring Surveys

S2.2? - *Astragalus insularis var. harwoodii* (Harwood's Milkvetch) - 89 individuals

\# Early Spring Survey Count

Late Spring Surveys

S2 - *Eriastrum Harwoodii* (Harwood's Eriastrum) - 131 individuals

S2.2? - *Astragalus insularis var. harwoodii* (Harwood's Milkvetch) - 30 individuals

\# Late Spring Survey Count

Project Features

- Fenceline Boundary of Solar Field (3,805 acres) *Includes Common Areas, Switchyard and Gas Metering Yard
- Common Areas Boundary (19.5 acres) *Included in Fenceline acres
- Switchyard (2.47 acres) *Included in Fenceline acres
- Gas Metering Yard (0.52 acres) *Included in Fenceline acres
- Temporary Construction Logistics Area (103 acres)
- Private Land Owned by MWD (approx. 6,741 ac.)
- Private Lands within the Project (approx. acres: 67 T-line)
- Private Lands within the Project - Right of Entry Obtained (approx. 386 ac.)
- Biological Study Area (BSA)

Impacts

- Permanent Direct Impacts
- Permanent Indirect Impacts
- Temporary Direct Impacts
- Temporary Indirect Impacts
- Bradshaw Trail Off Site
- Existing Gas line (50ft. easement corridor, gas line is off-centered, 12.5ft. west of eastern easement boundary)

Access Road Corridors to be Improved

- 34th Ave Access Road Corridor to be Improved (1.02 mile, 200ft. corridor, 100ft. from c/l, 25 ac.)
- Bradshaw Trail Access Road Corridor to be Improved 2.96 miles, 200ft. corridor, 100ft. from c/l, 71 ac.)
- Drainage Crossing Upgrade (500ft. radius from center point, 18 ac. each; 72 ac. total)
- Proposed Project 230kV Transmission Line Centerline (approx. 9.9 mi offsite)

Proposed 33kV Service Line

- SCE 33kV Proposed Service (Existing ROW overbuild) (approx. 5.1 miles, 200 ft. corridor, 100 ft. from c/l, 119 ac.)
- SCE 33kV Proposed Service (New ROW) (approx. 3.12 miles, 200 ft. corridor, 100 ft. c/l, 78 ac. total)
- CRS Substation (77 ac.)
- Colorado River Substation Gen-tie Area (approx. 114 ac.)

Existing Transmission Lines

- 161 kV
- 220 kV
- 500 kV
- City/Town
- County Boundary

Land Ownership

- US Bureau of Land Management (2,598 ac.within project)
- PLSS Section Line

Total Project Acreage: 5,955 ac. (Draft Fenceline Boundary 3805 ac., Construction Area 103 ac., Transmission Line 1641 ac., Gen-Tie Areas 114 ac., Bradshaw Trail Access Corridor to improve 71 ac., 34th Ave Access Road Corridor to improve 25 ac., SCE 33kV Service Line 196 ac.)

Buck - Julian Hinds - 220kV / Imperial Irrigation District - 161kV / W. Area Power Administration - 161kV

Southern California Edison - 500kV

Imperial Irrigation District - 161kV

Bradshaw Trail

W. Area Power Administration 161kV / Existing Gas Line

Rannells Blvd

Hodges Drain

22nd Ave

28th Ave

32nd Ave

34th Ave

Palo Verde

Riverside County

Imperial County

SOURCES: Draft Solar Field Layout & Fenceline (Bechtel, 5-18-2012). Transmission Line Corridor, MWD Land, Private Lands, Existing Gasline (VTN, 3-15-2011). Buck-Julian Hinds 220kV (Power Engineers, 8-2011). Transmission Line Centerline (Power Engineers, 5-7-2012). CRS Substation, Potential Gen-tie Area (Power Engineers, 5-7-2012). Aerial Imagery (NAIP, 5-25-2009). County, State Boundaries, Roads, Bradshaw Trail (ESRI, 2007). Parcels (BLM, 2006). Land Ownership (BLM, 3-03-2011). Existing Transmission Lines, Existing Substations (Platts, 2009). PLSS Sections (BLM, 12-11-2007). Improved Access Roads, Drainage Crossing Upgrade (URS, 3-18-2011). Bradshaw Trail Re-route, Imperial Irrigation District Re-route (URS, 6-2011). 33kV Proposed Service Transmission Lines (BSE, 2011). Biological Study Area, Botany Surveys (URS, Spring 2011).

RARE PLANT SIGHTINGS
RIO MESA SOLAR
ELECTRIC GENERATING FACILITY

URS

2000 0 2000 4000 Feet

SCALE: 1" = 4000' (1:48,000)

SCALE CORRECT WHEN PRINTED AT 11X17

CREATED BY: CM	DATE: 6/29/2012	FIG. NO: 5.2-3 (REV)
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FT	Threatened (U.S. Endangered Species Act)
ST	Threatened (California Endangered Species Act)
SE	Endangered (California Endangered Species Act)
BCC	Birds of Conservation Concern (US Fish and Wildlife Service)
SSC	Species of Special Concern (California Endangered Species Act)
BLM-S	Sensitive (Bureau of Land Management)
DFG-FP	Fully Protected (California Department of Fish and Game)
DFG-WL	Watch List (California Department of Fish and Game)
MBTA	Protected (Migratory Bird Treaty Act)
NL	Not Listed

Mojave Fringe-toed Lizard (MFTL)
- MFTL Sightings (70 Sightings)
- MFTL Sightings - Botany Surveys (11 Sightings)
- MFTL Sightings - Desert Tortoise Surveys (34 Sightings)

Desert Tortoise Surveyed Observations
- Desert Tortoise - Adult (FT, ST)
- Desert Tortoise - Juvenile

Listed and Sensitive Species
- Gila woodpecker *(Melanerpes uropygialis)* (BCC/SE)
- Swainson's hawk *(Buteo swainsoni)* (BCC/ST)
- Loggerhead shrike *(Lanius ludovicianus)* (BCC/SSC)
- Lucy's warbler *(Oreothlypis luciae)* (BCC/SSC)
- LeConte's thrasher *(Toxostoma lecontei)* (BCC/SSC)
- Vaux's swift *(Chaetura vauxi)* (SSC)
- Northern harrier *(Circus cyaneus)* (SSC)
- American white pelican *(Pelacanus erythrorhynchos)* (SSC)
- Crissal thrasher *(Taxostoma crissale)* (SSC)
- Prairie Falcon *(Falco mexicanus)* (BCC, DFG-WL)
- Rufous-crowned Sparrow *(Aimophila ruficeps)* (DFG-WL)
- Cooper's Hawk *(Accipiter cooperii)* (DFG-WL)
- Horned Lark *(Erophila alpestris)* (DFG-WL)

Incidental Sightings
- Burrowing Owl
- Burrowing Owl Burrow
- American Badger (SSC)
- American badger Burrow
- Burrowing Owl Burrow, Botany
- Cooper's Hawk (DFG-W)
- Desert Kit Fox (NL)
- Desert Tortoise Individual (FT,ST)
- Gila Woodpecker (SE, BLM-S)
- Golden Eagle (DFG-FP, BLM-S)
- Great-Horned Owl, nest, adult, and young (MBTA)
- LeConte's Thrasher (SSC, BLM-S)
- Mojave Fringe-Toed Lizard (SSC, BLM-S)
- Bighorn Sheep Skull (BLM-S)
- Nelson's bighorn sheep, Hoof (BLM-S)
- Nelson's bighorn sheep, Horn (BLM-S)
- Peregrine Falcon (SE, DFG-FP)
- Red-Tailed Hawk Nest (MBTA)
- Yellow-Headed Blackbird, ~50 (SSC)

Project Features
- Fenceline Boundary of Solar Field (3,805 acres) *Includes Common Areas, Switchyard and Gas Metering Yard
- Common Areas Boundary (19.5 acres) *Included in Fenceline acres
- Switchyard (2.47 acres) *Included in Fenceline acres
- Gas Metering Yard (0.52 acres) *Included in Fenceline acres
- Temporary Construction Logistics Area (103 acres)

Impacts
- Permanent Direct Impact
- Permanent Indirect Impact
- Temporary Indirect Impact
- Temporary Direct Impact
- Private Lands within the Project (approx. acres: 161 Site, 67 T-line)
- Private Lands within the Project - Right of Entry Obtained (approx. 476 ac.)
- Private Land Owned by MWD (approx. 6,741 ac.)
- Bradshaw Trail Off Site
- Existing Gas Line (50ft. easement corridor, gas line is off-centered, 12.5ft. west of eastern easement boundary)

Access Road Corridors to be Improved
- 34th Ave Access Road Corridor to be Improved (1.02 mile, 200ft. corridor, 100ft. from c/l, 25 ac.)
- Bradshaw Trail Access Road Corridor to be Improved 2.96 miles, 200ft. corridor, 100ft. from c/l, 71 ac.)
- Drainage Crossing Upgrade (500ft. radius from center point, 18 ac. each; 72 ac. total)

Proposed Project 230kV Transmission Line Corridor - (approx. 10 mi)
- Proposed Project 230kV Transmission Line Centerline (approx. 10 mi offsite)

Proposed 33kV Service Line
- SCE 33kV Proposed Service (Existing ROW overbuild) (approx. 5.1 miles, 200 ft. corridor, 100 ft. from c/l, 119 ac.)
- SCE 33kV Proposed Service (New ROW) (approx. 3.12 miles, 200 ft. corridor, 100 ft. c/l, 78 ac. total)
- ROW Corridor approx. 1,641 ac. (1,300 ft. corridor, approx 650ft. from c/l; approx acres: 1196 BLM, 445 Private)
- Colorado River Substation Gen-tie Area (approx. 114 ac.)
- CRS Substation (77 ac.)

Existing Transmission Lines
- 161 kV
- 220 kV
- 500 kV
- City/Town
- County Boundary

Land Ownership
- US Bureau of Land Management (2,598 ac.within project)
- Unclassified (5,749 ac. within project)
- Parcel Boundary
- PLSS Section Line

Total Project Acreage: 5,955 ac. (Draft Fenceline Boundary 3805 ac., Construction Area 103 ac., Transmission Line 1641 ac., Gen-Tie Areas 114 ac., Bradshaw Trail Access Corridor to improve 71 ac., 34th Ave Access Road Corridor to improve 25 ac., SCE 33kV Service Line 196 ac.)

Buck- Julian Hinds - 220kV
Imperial Irrigation District - 161kV & W. Area Power Administration - 161kV
Southern California Edison - 500kV
Imperial Irrigation District - 161kV
W. Area Power Administration 161kV
Existing Gas Line
Hodges Drain
Rannells Blvd
Bradshaw Trail
22nd Ave
28th Ave
32nd Ave
34th Ave
Palo Verde
Riverside County
Imperial County

SOURCES: Draft Solar Field Layout & Fenceline, MWD Land (Bechtel, 6-13-2012). Transmission Line Corridor (URS, 6-14-2012). Private Lands (BSE, 2012). Existing Gasline, Transmission Line Centerline, Buck-Julian Hinds 220kV (Power Engineers, 6-14-2012). CRS Substation, Potential Gen-tie Area (Power Engineers, 5-7-2012). Aerial Imagery (NAIP, 5-25-2009). County, State Boundaries, Roads, Bradshaw Trail (ESRI, 2007). Parcels (BLM, 2006). Land Ownership (BLM, 3-03-2011). Existing Transmission Lines, Existing Substations (Platts, 2009). PLSS Sections (BLM, 12-11-2007). Improved Access Roads, Drainage Crossing Upgrade (URS, 3-18-2011). Bradshaw Trail Re-route, Imperial Irrigation District Re-route, Mojave Fringe-Toed Lizard Surveys, Desert Tortoise Surveys, Bird Surveys (URS, 6-2011). 33kV Proposed Service Transmission Lines (BSE, 2011).

SPECIAL STATUS ANIMAL SPECIES MAP
RIO MESA SOLAR
ELECTRIC GENERATING FACILITY

URS

2000 0 2000 4000 Feet

SCALE: 1" = 4000' (1:48,000)

SCALE CORRECT WHEN PRINTED AT 11X17

CREATED BY: CM	DATE: 7/9/2012	FIG. NO: **5.2-4 (REV)**
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Biological Survey Area

Project Features

Fenceline Boundary of Solar Field (3,805 acres) *Includes Common Areas, Switchyard and Gas Metering Yard

Common Areas Boundary (19.5 acres) *Included in Fenceline acres

Switchyard (2.47 acres) *Included in Fenceline acres

Temporary Construction Logistics Area (103 acres)

ROW Corridor approx. 1,641 ac.
(1,300 ft. corridor, approx 650ft. from c/l; approx acres: 1196 BLM, 445 Private)

Impacts

Permanent Direct Impact

Permanent Indirect Impact

Temporary Direct Impact

Temporary Indirect Impact

Drainage Systems Division

Wetland
(58.93 ac. in Buffer,58.85 ac. in Project)

NWI Wetlands (8.03 ac. in Buffer, 0.27 ac. in Project)

USGS Blue Line

Drainage System

A

B

C

D

E

F

G

H

I

A

B

C

D

E

F

G

H

I

SOURCES:
Draft Solar Field Layout & Fenceline, MWD Land (Bechtel, 6-13-2012).
Transmission Line Corridor (URS, 6-14-2012).
Aerial Imagery (NAIP, 5-25-2009)
USGS Blue Lines (USGS, 2009)
NWI Wetlands (U.S. Fish & Wildlife Service, 2011)
ACOE Informally Agreed Waters of the U.S.,
Drainage Systems Division, Biological Survey Area (URS, 2011).

USACE INFORMALLY AGREED WATERS OF THE U.S.
PROJECT SITE
RIO MESA SOLAR
ELECTRIC GENERATING FACILITY

URS

1100 0 1100 2200 Feet

SCALE: 1" = 2,200' (1:26,400)
SCALE CORRECT WHEN PRINTED AT 11X17

CREATED BY: DT | DATE: 7/11/2012

PM: AL | PROJ. NO: 27651006.50506

FIG. NO: **5.2-5a (REV)**

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Biological Survey Area

Drainage Systems Division

Project Features

Fenceline Boundary of Solar Field (3,805 acres) *Includes Common Areas, Switchyard and Gas Metering Yard

Common Areas Boundary (19.5 acres) *Included in Fenceline acres

Switchyard (2.47 acres) *Included in Fenceline acres

Temporary Construction Logistics Area (103 acres)

Colorado River Substation Gen-tie Area (approx. 114 ac.)

CRS Substation (77 ac.)

Transmission Line Corridor Drainage

Bradshaw Trail Drainage

34th Ave Access Drainage

USGS Blue Line

Drainage System within Project Boundary

A

B

C

D

E

F

G

H

I

A

B

C

D

E

F

SOURCES: Draft Solar Field Layout & Fenceline, MWD Land (Bechtel, 6-13-2012).
Transmission Line Corridor (URS, 6-14-2012).
Aerial Imagery (NAIP, 5-25-2009)
USGS Blue Lines (USGS, 2009)
ACOE Informally Agreed Waters of the U.S.,
Drainage Systems Division, Biological Survey Area (URS, 2011).
NWI Wetlands (U.S. Fish & Wildlife Service, 2011).

USACE INFORMALLY AGREED WATERS OF THE U.S.
GENERATOR TIE LINE CORRIDOR AND ACCESS CORRIDORS
RIO MESA SOLAR
ELECTRIC GENERATING FACILITY

URS

1500 0 1500 3000 Feet

SCALE: 1" = 3,000' (1:36,000)
SCALE CORRECT WHEN PRINTED AT 11X17

CREATED BY: DT | DATE: 06-25-12 | FIG. NO: **5-2b (REV)**

PM: AL | PROJ. NO: 27651005.50506

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Project Features

- Fenceline Boundary of Solar Field (3,805 acres) *Includes Common Areas, Switchyard and Gas Metering Yard
- Common Areas Boundary (19.5 acres) *Included in Fenceline acres
- Switchyard (2.47 acres) *Included in Fenceline acres
- Temporary Construction Logistics Area (103 acres)
- **Biological Survey Area**
- **Transmission ROW Corridor**
- **Drainage Systems Division**
- Wetland (58.93 ac. in Buffer,58.85 ac. in Project)
- **NWI Wetlands (8.03 ac. in Buffer, 0.27 ac. in Project)**

Impacts

- Permanent Direct Impact
- Permanent Indirect Impact
- Temporary Direct Impact
- Temporary Indirect Impact
- **USGS Blue Line**

Drainage

- A 7.01 ac.
- B 18.65 ac.
- C 1.17 ac.
- D 0.98 ac.
- E 44.86 ac.
- F 7.62 ac.
- G 75.69 ac.
- H 50.05 ac.
- I 50.20 ac.

A

B

C

D

For Transmission Line and Access Area Drainage, See Figure 5.2-6b.

E

F

G

H

I

SOURCES:
Draft Solar Field Layout & Fenceline (Bechtel, 8-03-2011).
Project Site, Transmission Line Corridor (VTN, 3-15-2011)
Aerial Imagery (NAIP, 5-25-2009)
USGS Blue Lines (USGS, 2009)
NWI Wetlands (U.S. Fish & Wildlife Service, 2011)
CDFG Waters, Drainage Systems Division,
Biological Survey Area (URS, 2011).

CDFG POTENTIAL WATERS OF THE STATE
PROJECT AREA
RIO MESA SOLAR
ELECTRIC GENERATING FACILITY

URS

1100 0 1100 2200 Feet

SCALE: 1" = 2,200' (1:26,400)
SCALE CORRECT WHEN PRINTED AT 11X17

CREATED BY: DT	DATE: 6/29/2012	FIG. NO: **5.2-6a (REV)**
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DETAIL OF ACCESS CORRIDOR SURVEY AREA

Bradshaw Trail

Hodges Drain

34th Ave

78

OVERVIEW OF PROJECT SITE

GENERATOR TIE LINE DETAIL OF ACCESS CORRIDOR SURVEY AREA

DETAIL OF ACCESS CORRIDOR SURVEY AREA

Transmission Line Corridor Drainage
Bradshaw Trail Drainage
34th Ave Access Drainage
NWI Wetlands (8.03 ac. in Buffer, 0.27 ac. in Project)
Biological Survey Area
Fenceline Boundary of Solar Field (3,805 acres)
Temporary Construction Logistics Area (103 acres)
Transmission ROW Corridor

Impacts

Permanent Direct Impact
Permanent Indirect Impact
Temporary Direct Impact
Temporary Indirect Impact
USGS Blue Line

SOURCES:
Draft Solar Field Layout & Fenceline, MWD Land (Bechtel, 6-13-2012).
Transmission Line Corridor (URS, 6-14-2012). Private Lands (BSE, 2012)
Aerial Imagery (NAIP, 5-25-2009), USGS Blue Lines (USGS, 2009)
CDFG Waters, Drainage Systems Division,
Biological Survey Area (URS, 2011).
NWI Wetlands (U.S. Fish & Wildlife Service, 2011).

CDFG POTENTIAL WATERS OF THE STATE
GENERATOR TIE LINE CORRIDOR AND ACCESS CORRIDORS
RIO MESA SOLAR
ELECTRIC GENERATING FACILITY

URS

1100 0 1100 2200 Feet

SCALE: 1" = 2,200' (1:26,400)
SCALE CORRECT WHEN PRINTED AT 11X17

CREATED BY: DT | DATE: 6/29/2012 | FIG. NO: **5.2-6b (REV)**

PM: AL | PROJ. NO: 27651006.50506

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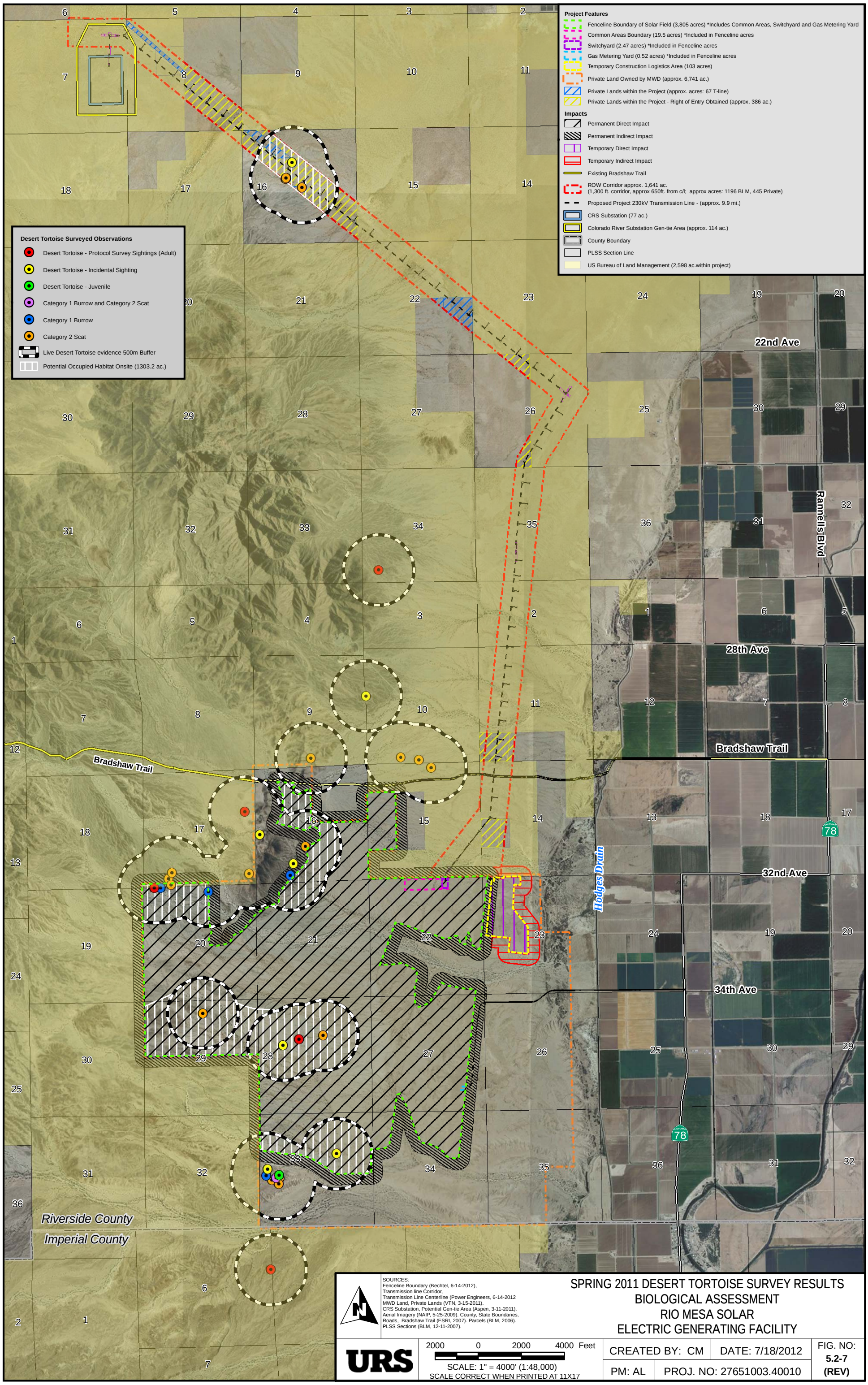

SOURCES:
Fenceline Boundary (Bechtel, 6-14-2012),
Transmission line Corridor,
Transmission Line Centerline (Power Engineers, 6-14-2012
MWD Land, Private Lands (VTN, 3-15-2011).
CRS Substation, Potential Gen-tie Area (Aspen, 3-11-2011).
Aerial Imagery (NAIP, 5-25-2009). County, State Boundaries,
Roads, Bradshaw Trail (ESRI, 2007). Parcels (BLM, 2006).
PLSS Sections (BLM, 12-11-2007).

SPRING 2011 DESERT TORTOISE SURVEY RESULTS
BIOLOGICAL ASSESSMENT
RIO MESA SOLAR
ELECTRIC GENERATING FACILITY

URS

2000 0 2000 4000 Feet

SCALE: 1" = 4000' (1:48,000)

SCALE CORRECT WHEN PRINTED AT 11X17

CREATED BY: CM	DATE: 7/18/2012	FIG. NO: 5.2-7 (REV)
PM: AL	PROJ. NO: 27651003.40010	

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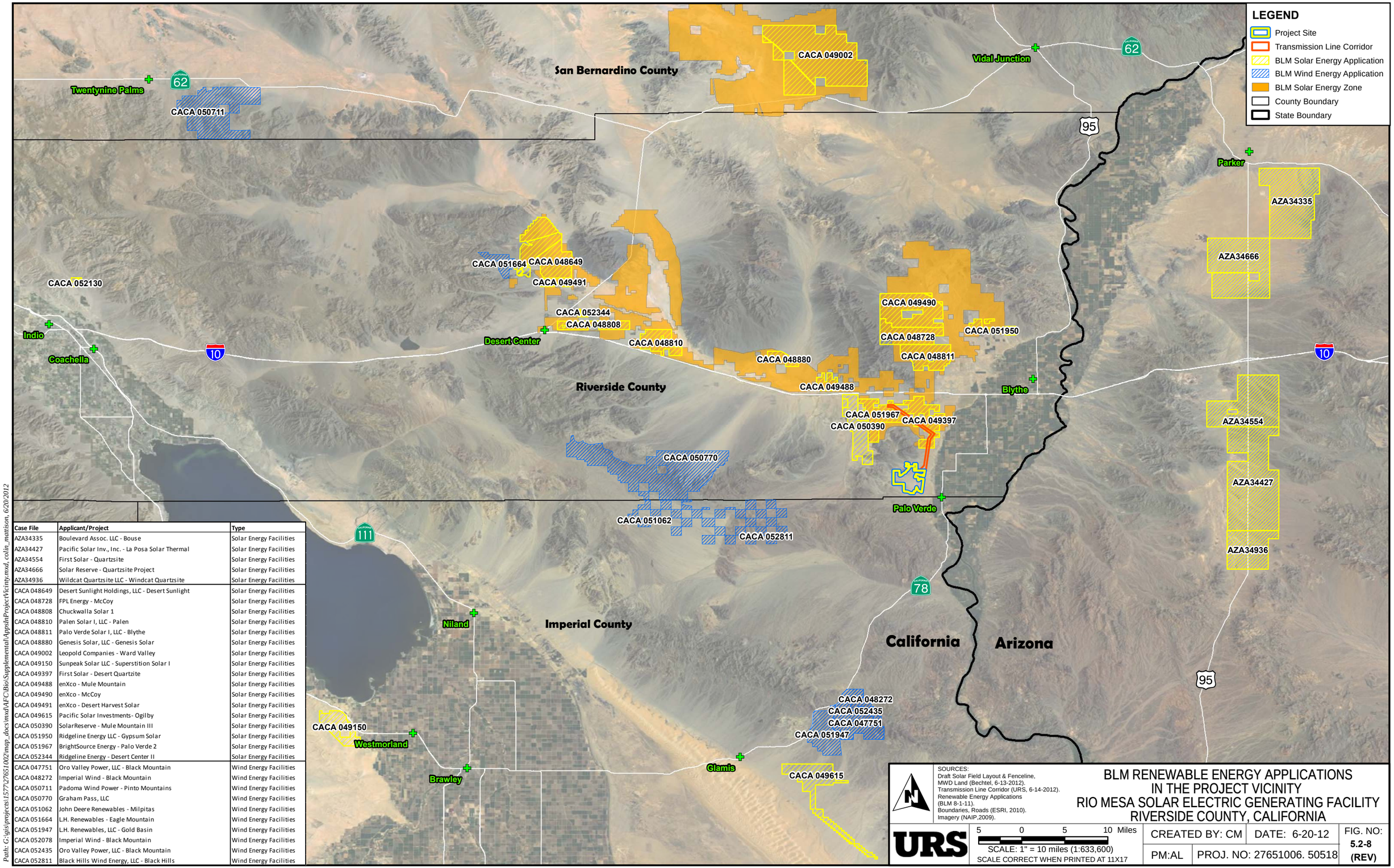

Case File	Applicant/Project	Type
AZA34335	Boulevard Assoc. LLC - Bouse	Solar Energy Facilities
AZA34427	Pacific Solar Inv., Inc. - La Posa Solar Thermal	Solar Energy Facilities
AZA34554	First Solar - Quartzsite	Solar Energy Facilities
AZA34666	Solar Reserve - Quartzsite Project	Solar Energy Facilities
AZA34936	Wildcat Quartzsite LLC - Windcat Quartzsite	Solar Energy Facilities
CACA 048649	Desert Sunlight Holdings, LLC - Desert Sunlight	Solar Energy Facilities
CACA 048728	FPL Energy - McCoy	Solar Energy Facilities
CACA 048808	Chuckwalla Solar 1	Solar Energy Facilities
CACA 048810	Palen Solar I, LLC - Palen	Solar Energy Facilities
CACA 048811	Palo Verde Solar I, LLC - Blythe	Solar Energy Facilities
CACA 048880	Genesis Solar, LLC - Genesis Solar	Solar Energy Facilities
CACA 049002	Leopold Companies - Ward Valley	Solar Energy Facilities
CACA 049150	Sunpeak Solar LLC - Superstition Solar I	Solar Energy Facilities
CACA 049397	First Solar - Desert Quartzite	Solar Energy Facilities
CACA 049488	enXco - Mule Mountain	Solar Energy Facilities
CACA 049490	enXco - McCoy	Solar Energy Facilities
CACA 049491	enXco - Desert Harvest Solar	Solar Energy Facilities
CACA 049615	Pacific Solar Investments- Ogilby	Solar Energy Facilities
CACA 050390	SolarReserve - Mule Mountain III	Solar Energy Facilities
CACA 051950	Ridgeline Energy LLC - Gypsum Solar	Solar Energy Facilities
CACA 051967	BrightSource Energy - Palo Verde 2	Solar Energy Facilities
CACA 052344	Ridgeline Energy - Desert Center II	Solar Energy Facilities
CACA 047751	Oro Valley Power, LLC - Black Mountain	Wind Energy Facilities
CACA 048272	Imperial Wind - Black Mountain	Wind Energy Facilities
CACA 050711	Padoma Wind Power - Pinto Mountains	Wind Energy Facilities
CACA 050770	Graham Pass, LLC	Wind Energy Facilities
CACA 051062	John Deere Renewables - Milpitas	Wind Energy Facilities
CACA 051664	L.H. Renewables - Eagle Mountain	Wind Energy Facilities
CACA 051947	L.H. Renewables, LLC - Gold Basin	Wind Energy Facilities
CACA 052078	Imperial Wind - Black Mountain	Wind Energy Facilities
CACA 052435	Oro Valley Power, LLC - Black Mountain	Wind Energy Facilities
CACA 052811	Black Hills Wind Energy, LLC - Black Hills	Wind Energy Facilities

SOURCES:
Draft Solar Field Layout & Fenceline, MWD Land (Bechtel, 6-13-2012).
Transmission Line Corridor (URS, 6-14-2012).
Renewable Energy Applications (BLM 8-1-11).
Boundaries, Roads (ESRI, 2010).
Imagery (NAIP,2009).

BLM RENEWABLE ENERGY APPLICATIONS IN THE PROJECT VICINITY
RIO MESA SOLAR ELECTRIC GENERATING FACILITY
RIVERSIDE COUNTY, CALIFORNIA

URS

5 0 5 10 Miles
SCALE: 1" = 10 miles (1:633,600)
SCALE CORRECT WHEN PRINTED AT 11X17

CREATED BY: CM | DATE: 6-20-12
PM:AL | PROJ. NO: 27651006. 50518
FIG. NO: 5.2-8 (REV)

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