

APPENDIX D

**SENSITIVE WILDLIFE SPECIES
POTENTIALLY OCCURRING ON THE
RIVERSIDE ENERGY CENTER PROJECT SITE**

**Sensitive Wildlife Species Known or Potentially Occurring at the
Riverside Energy Center Project Site, Riverside**

Common Name ¹	Scientific Name ¹	Status ²	Habitat	Occurrence Potential ³
Invertebrates				
Quino checkerspot butterfly	<i>Euphydryas editha quino</i> (= <i>E.e. wrighti</i>)	FE/-	Coastal sage scrub with larval food plant (native <i>Plantago</i> , <i>Castilleja</i> and <i>Antirrhinum</i>).	Low occurrence potential; No larval food plants observed during field visits.
Fish				
<i>Gila orcutti</i>	Arroyo chub	-/CSC	Slow water stream sections with mud or sand bottoms	No occurrence potential; No suitable wetlands at project site.
<i>Rhinichthys osculus carringtonii</i>	Pacific speckled dace	-/CSC	Permanent flowing streams; inhabits shallow cobble and gravel riffles	No occurrence potential; No suitable wetlands at project site.
<i>Catostomus santaanae</i>	Santa Ana sucker	FT/CSC	Streams with sand-rubble-boulder bottoms, cool, clear water, and algae	No occurrence potential; No suitable wetlands at project site.
Amphibians				
Western spadefoot	<i>Scaphiopus</i> (= <i>Spea</i>) <i>hammondii</i>	FSC/CSC	Washes, floodplains of rivers in valley and foothill grasslands, open chaparral.	Low to moderate occurrence potential; None observed during field visits.
Arroyo toad	<i>Bufo microscaphus californicus</i>	FE/CSC	Riparian woodland and adjacent floodplain.	Low occurrence potential; on fringe of known occurrence; None observed during field visits.
California red-legged frog	<i>Rana aurora draytoni</i>	FT/CSC	Riparian vegetation associated with slow-moving, deep waters.	No occurrence potential; No suitable wetlands at project site.

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Reptiles				
<i>Coleonyx variegatus abotti</i>	San Diego banded gecko	FSC/CSC	Occurs in habitats ranging from cismontane chaparral and desert scrub to open sand dunes and arid tropical forests	Low occurrence potential; None observed during field visits.
<i>Gambelia wislizenii</i>	Long-nosed leopard lizard	-/CSC	Semiarid plains grown to bunch grass, alkali bush, sagebrush, creosote bush, or other scattered low plants	Very low occurrence potential; None observed during field visits.
<i>Sceloporus orcutti orcutii</i>	Granite spiny lizard	-/-	Areas dominated by massive rock formations in canyons or on the upper portions of alluvial fans	Low occurrence potential; None observed during field visits.
<i>Sceloporus graciosus vandenburganus</i>	Southern sagebrush lizard	-/CSC	Montane chaparral, hardwood and conifer habitats, juniper habitats, and sage scrub habitats	Low occurrence potential; None observed during field visits.
<i>Phrynosoma coronatum (blainvillei)</i>	Coast (San Diego) horned lizard	FSC/CSC	Coastal sage scrub and chaparral; arid and semi-arid conditions; sandy soils	Low occurrence potential; None observed during field visits.
<i>Aspidoscelis hyperythra beldingi</i>	Orange-throated whiptail	FSC/CSC	Coastal scrub, chaparral, and hardwood habitats; prefers sandy areas with refugia	Low occurrence potential; None observed during field visits.

Common Name¹	Scientific Name¹	Status²	Habitat	Occurrence Potential³
<i>Aspidoscelis tigris stejnegeri</i>	Coastal western whiptail	FSC/CSC	Deserts and semiarid areas with sparse vegetation and open areas; woodland and riparian areas	Low occurrence potential; None observed during field visits.
<i>Aniella pulchra pulchra</i>	California legless lizard	FSC/CSC	Coastal dune, valley-foothill, chaparral, and coastal sage scrub in sandy soils	Low occurrence potential; None observed during field visits.
<i>Charina trivirgata</i>	Rosy boa	FSC/-	Desert and chaparral; vegetated, rocky hillsides, desert canyons, washes and mountains	Low occurrence potential; None observed during field visits.
<i>Diadophis punctatus modestus</i>	Ringneck snake	-/CSC	Moist habitats including woodlands, forest, grassland, chaparral, farms, and gardens	Low to moderate occurrence potential; None observed during field visits.
<i>Arizona elegans occidentalis</i>	California glossy snake	-/-	Grasslands, cultivated fields, open sage scrub, and chaparral in sandy or rocky areas	Low to moderate occurrence potential; None observed during field visits.
<i>Lampropeltis zonata pulchra</i>	San Diego mountain kingsnake	FSC/CSC	Hardwood and coniferous forests, chaparral, riparian habitat, and wet meadows	Low occurrence potential; None observed during field visits.
<i>Thamnophis sirtalis infernalis</i>	California red-sided garter snake	-/CSC	Marshes, meadows, sloughs, ponds and slow-moving water courses	Low occurrence potential; None observed during field visits.
<i>Thamnophis hammondi</i>	Two-striped garter snake	-/CSC	Wetland habitats such as streams, creeks and pools	No occurrence potential; No suitable wetlands at project site.

Common Name¹	Scientific Name¹	Status²	Habitat	Occurrence Potential³
<i>Crotalus ruber ruber</i>	Northern red-diamond rattlesnake	FSC/CSC	Chaparral, woodland, grassland, and desert areas; rocky areas with dense vegetation	Low occurrence potential; None observed during field visits.
<i>Clemmys marmorata pallida</i>	Southwestern pond turtle	FSC/CSC	Ponds, freshwater marshes, and slow-moving streams with emergent aquatic and riparian vegetation.	No occurrence potential; No suitable wetlands at project site.
Birds				
<i>Phalacrocorax auritus</i>	Double-crested cormorant	-/CSC	Forages in lakes, rivers, reservoirs, estuaries, or the ocean. Nests in tall trees, rock ledges on cliffs, or rugged slopes near aquatic environments	Very low occurrence potential; None observed during field visits.
<i>Botaurus lentiginosus</i>	American bittern	-/-	Emergent habitat of freshwater marshes and vegetated borders of ponds and lakes; nests amongst tall, dense, emergent vegetation	No occurrence potential; No suitable wetlands at project site.
<i>Ixobrychus elixis hesperis</i>	Least bittern	FSC/CSC	Rests, roosts, nests, and hides in dense, emergent vegetation; nests in dense, emergent vegetation	No occurrence potential; No suitable wetlands at project site.

Common Name¹	Scientific Name¹	Status²	Habitat	Occurrence Potential³
<i>Nycticorax nycticorax nycticorax</i>	Black-crowned night heron	-/-	Forages in marshes, ponds, reservoirs, estuaries, and river margins; nests in dense-foliaged trees	Very low occurrence potential; None observed during field visits.
<i>Plegadis chihi</i>	White-faced ibis	FSC/CSC	Forages in wet meadows, marshes, ponds, lakes, rivers, flooded fields, and estuaries; nests in dense, fresh emergent wetland within extensive marshes	Low occurrence potential; None observed during field visits.
<i>Cathartes aura meridionalis</i>	Turkey vulture	-/-	Forages in pastured rangeland, non-intensive agriculture, or wild areas; nests in rock outcrops	Moderate occurrence potential; None observed during field visits.
<i>Circus cyaneus hudsonius</i>	Northern harrier	-/CSC	Forages in open wetlands, pastures, fields, grasslands, croplands, and meadows; nests in the vicinity of marshes, rivers, or ponds	Moderate occurrence potential; None observed during field visits.
<i>Elanus leucurus</i>	White-tailed kite	-/CFP	Nests in open woodlands; forages in open grasslands, meadows, or marshes	Moderate occurrence potential; None observed during field visits.
<i>Accipiter striatus velox</i>	Sharp-shinned hawk	-/CSC	Forages at edges of woodlands; nests in young coniferous forests with high canopy associations	Low to moderate occurrence potential; None observed during field visits.

Common Name¹	Scientific Name¹	Status²	Habitat	Occurrence Potential³
<i>Accipiter cooperii</i>	Cooper's hawk	-/CSC	Nests in open, riparian deciduous woodland; forages in riparian, scrub oak, and juniper woodland	Low occurrence potential; None observed during visits.
<i>Buteo swainsoni</i>	Swainson's hawk	-/CT	Forages in open desert, sparse shrub lands, grassland, or cropland containing scattered, large trees or small groves; nests in scattered trees within grassland, shrubland, or agricultural landscapes	Low occurrence potential; None observed during field visits.
<i>Buteo regalis</i>	Ferruginous hawk	FSC/CSC	Forages in open dry country; nests in large, open grasslands, sparse shrubland, or desert habitats with elevated structures	Low occurrence potential; None observed during visits.
<i>Aquila chrysaetos canadensis</i>	Golden eagle	EPA/CSC/CFP	Forages in grasslands, brushlands, deserts, oak savannas, open coniferous forests, and montane valleys; nesting restricted to rugged, mountainous country	Low occurrence potential; None observed during field visits.

Common Name ¹	Scientific Name ¹	Status ²	Habitat	Occurrence Potential ³
<i>Haliaeetus leucocephalus</i>	Bald eagle	EPA/FT/CE/CFP	Nests and winters within a mile of ocean shore, lake margins, and rivers in large trees	Low occurrence potential; None observed during field visits.
<i>Charadrius montanus</i>	Mountain plover	FPT/CSC	Forages in relatively open areas with little vegetative cover; nests in dry, open, grasslands	Low occurrence potential; None observed during field visits.
<i>Coccyzus americanus occidentalis</i>	Western yellow-billed cuckoo	-/CE	Nests in riparian forests	No occurrence potential; No suitable riparian vegetation at project site.
<i>Asio otus tuftsi</i>	Long-eared owl	-/CSC	Nests in riparian woodlands; requires adjacent open foraging habitat	Low occurrence potential; None observed during field visits.
<i>Athene cunicularia hypugaea</i>	Burrowing owl	FSC/CSC	Burrows in dry open grasslands, deserts, and scrublands	Observed; One owl observed during field visit.
<i>Chaetura vauxi vauxi</i>	Vaux's swift	-/CSC	Old growth stands of Douglas-fir	Very low occurrence potential; None observed during field visits.
<i>Cypseloides niger borealis</i>	Black swift	-/CSC	Forages in almost any terrain and habitat; nests in moist crevices or caves on sea cliffs above the surf, or on cliffs behind, or adjacent to, waterfalls in deep canyons	Low occurrence potential; None observed during field visits.
<i>Sphyrapicus thyroideus thyroideus</i>	Williamson's sapsucker	-/-	Montane spruce-fir, Douglas fir, lodgepole pine, and ponderosa pine forests	Very low occurrence potential; None observed during field visits.

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<i>Picoides pubescens turatie</i>	Downy woodpecker	-/-	Forages in riparian deciduous and associated hardwood and conifer habitats; nests in deciduous woodlands	Low occurrence potential; None observed during field visits.
<i>Empidonax traillii extimus</i>	Southwestern willow flycatcher	FE/CE	Nests in thickets near wetlands	Very low occurrence potential; None observed during field visits.
<i>Lanius ludovicianus gambeli</i>	Loggerhead shrike	FSC/CSC	Nests in dense brush in woodlands and scrub; forages in open areas	Moderate occurrence potential; None observed during field visits.
<i>Vireo bellii pusillus</i>	Least Bell's vireo	FE/CE	Nests in shrubs in low riparian areas	Very low occurrence potential; None observed during field visits.
<i>Eremophila alpestris actia</i>	California horned lark	-/CSC	Open meadows and coastal plains, fallow grain fields	Low to moderate occurrence potential; None observed during field visits.
<i>Progne subis subis</i>	Purple martin	-/CSC	Forages in grasslands, wet meadows, and fresh emergent wetlands; nests in tall sycamores, pines, and other large trees in or near oak woodlands or open coniferous forest	Low to moderate occurrence potential; None observed during field visits.
<i>Tachycineta bicolor</i>	Tree swallow	-/-	Forages over and around ponds, marshes, rivers, lakes, and estuaries; nests in cavity-containing trees or snags near water	Low to moderate occurrence potential; None observed during field visits.

Common Name ¹	Scientific Name ¹	Status ²	Habitat	Occurrence Potential ³
<i>Campylorhynchus brunneicapillus cousei</i>	Coastal cactus wren	-/CSC	Obligate, nonmigratory resident of coastal sage scrub habitat; nests in cholla and prickly pear cacti	Very low occurrence potential; None observed during field visits.
<i>Polioptila californica californica</i>	Coastal California gnatcatcher	FT/CSC	Coastal sage scrub in arid washes or on mesas and slopes	Very low occurrence potential; None observed during field visits.
<i>Catharus ustulatus</i>	Swainson's thrush	-/-	Forages and nests in lowland willow thickets along shaded streams and wooded riparian habitats	Very low occurrence potential; None observed during field visits.
<i>Vermivora ruficapilla ridgwayi</i>	Nashville warbler	-/-	Forages and nests in pine, hardwood and conifer forests, and montane chaparral habitats	Very low occurrence potential; None observed during field visits.
<i>Dendroica petechia brewsteri</i>	Yellow warbler	-/CSC	Nests and forages in riparian woodlands	Very low occurrence potential; None observed during field visits.
<i>Wilsonia pusilla pileolata</i>	Wilson's warbler	-/-	Nests and forages in montane meadows and low, dense willow thickets often on steep slopes	Low occurrence potential; None observed during field visits.
<i>Icteria virens longicauda</i>	Yellow-breasted chat	-/CSC	Nests and forages in riparian thickets	Very low occurrence potential; None observed during field visits.
<i>Aimophila ruficeps canescens</i>	Southern California rufous-crowned sparrow	FSC/CSC	Coastal sage scrub, sparse mixed chaparral; steep, rocky hillsides	Low to moderate occurrence potential; None observed during field visits.

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<i>Amphispiza belli belli</i>	Bell's sage sparrow	FSC/CSC	Nests in chaparral or coastal sage scrub	Low to moderate occurrence potential; None observed during visits.
<i>Zonotrichia (Melospiza) lincolnii alticola</i>	Lincoln's sparrow	-/-	Forages in dense, low underbrush often in disturbed edges; nests in wet montane meadows of corn lily, sedges and low willows	Low occurrence potential; None observed during field visits.
<i>Agelaius tricolor</i>	Tricolored blackbird	FSC/CSC	Colonial nester in marsh habitat; forages in open areas	Low to moderate occurrence potential; None observed during field visits.
Mammals				
<i>Antrozous pallidus</i>	Pallid bat	-/CSC	Dry habitats with rocky areas for roosting in deserts, grasslands, shrublands, woodlands, and forests	Moderate occurrence potential; None observed during examination of nearby building.
<i>Eumops perotis californicus</i>	Western mastiff bat	FSC/CSC	Open, arid conifer and deciduous woodlands, coastal scrub, grasslands, and chaparral	Moderate occurrence potential; None observed during examination of nearby building.
<i>Taxidea taxus</i>	Badger	-/-	Occupies dry, open, treeless regions, prairies, parklands, and cold desert areas	Low occurrence potential; None observed during visits.
<i>Chaetodipus fallax fallax</i>	Northwestern San Diego pocket mouse	FSC/CSC	Coastal sage scrub with friable soils	Low occurrence potential; No burrows observed during visits.
<i>Perognathus longimembris brevinasus</i>	Stephens' kangaroo rat	FE/CT	Grasslands with friable soils	Low occurrence potential; No burrows observed during visits.
<i>Dipodomys merriami parvus</i>	San Bernardino kangaroo rat	FE/CSC	Alluvial scrub vegetation on sandy loam substrates	Very low occurrence potential; No burrows observed during field visits.
<i>Neotoma lepida</i>	San Diego desert	FSC/CSC	Moderate to	Low to moderate

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<i>intermedia</i>	woodrat		dense canopies; rock outcrops	occurrence potential; No nests or sign observed during field visits.
<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit	FSC/CSC	Open shrub, herbaceous edges; coastal sage scrub habitats.	Low occurrence potential; None observed during field visits.

Notes: Listings in bold type have been observed at the Riverside Energy Center proposed plant site.

¹ Scientific and common names from CDFG, 2001c and 2002a.

² Sensitivity Status:

FE = Federally listed as Endangered

FT = Federally listed as Threatened

FPE = Federally Proposed for listing as Endangered

FPT = Federally Proposed for listing as Threatened

FSC = Federal Species of Concern (U.S. Fish and Wildlife Service)

EPA = Eagle Protection Act

CE = California listed as Endangered

CT = California listed as Threatened

CSC = California Species of Special Concern (California Department of Fish and Game)

CSA = California Special Animal (California Department of Fish and Game)

CFP = California Fully Protected species.

³ Potential occurrence at Riverside Energy Center proposed plant site based on field visits and known distribution and habitat requirements.