

Appendix 5.2A
Regional Special-status Plant and Wildlife Species

APPENDIX 5.2A

Special-status Species in the Vicinity of the Huntington Beach Energy Project

| Name | Habitat | Status | Notes |
|---|--|------------------|--|
| Plant Species | | | |
| Aphanisma <i>Aphanisma blitoides</i> | Coastal dunes and coastal scrub | 1B.2 | No suitable habitat in the project area; only record in the vicinity is a 1934 collection from dry bluffs at Newport Beach (CDFG, 2012). |
| California Orcutt grass <i>Orcuttia californica</i> | Valley grasslands, vernal pools and wetland-riparian communities | FE SE 1B.1 | Species was documented approximately 4.5 miles northwest of the offsite laydown area and no occurrences have been recorded within 10 miles of the HBEP. No suitable habitat is found within the HBEP site. |
| Chaparral ragwort <i>Senecio aphanactis</i> | Foothill woodland, northern coastal scrub, coastal sage scrub | 2.2 | No suitable habitat within the project area or offsite laydown area. No occurrences for this species have been documented near HBEP and the nearest record is approximately 7 miles east northeast of the HBEP site. |
| Chaparral sand verbena <i>Abronia villosa</i> var. <i>aurita</i> | Coastal scrub and chaparral | 1B.1 | No suitable habitat present in the project area. Regionally this species is only known from historic collections made in 1932 along the Santa Ana River. This occurrence has been extirpated. |
| Cliff spurge <i>Euphorbia misera</i> | Coastal sage scrub | 2.2 | No suitable habitat within the project area or offsite laydown area. The closest occurrence for this species is 7 miles southeast of the HBEP site and this species has not been documented within 10 miles of the offsite laydown area. |
| Coast woolly-heads <i>Nemacaulis denudata</i> var. <i>denudata</i> | Coastal dunes | 1B.2 | No suitable habitat in the project area; nearest occurrence is in the vicinity of the Upper Newport Bay. |
| Coulter's goldfields <i>Lasthenia glabrata</i> ssp. <i>coulteri</i> | Coastal marshes, playas, vernal pools and mesic grasslands | 1B.1 | No suitable habitat in the project area, This species is reported from Fairview Regional Park, Upper Newport Bay and the Bolsa Chica Ecological Reserve. |
| Coulter's saltbush <i>Atriplex coulteri</i> | Coastal scrub, coastal dunes, grassland, upper salt marsh | 1B.2 | No suitable habitat in the project area. Historic record of this species was from the Upper Newport Bay. |
| Davidson's saltscale <i>Atriplex serenana</i> var. <i>davidsonii</i> | Coastal scrub (alkaline soil) | 1B.2 | No suitable habitat in the project area. Historic records only of this species along the Santa Ana River and in the vicinity of the Upper Newport Bay. |
| Estuary seablite <i>Suaeda esteroa</i> | Coastal salt marshes | 1B.2 | No suitable habitat in the project area. Only reported occurrences of this species are from the Bolsa Chica Ecological Reserve and Newport Slough, east of the Santa Ana River. |

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| Gambel's water cress <i>Nasturtium gambelii</i> | Freshwater and brackish marshes | FE ST 1B.1 | Only record in the regional vicinity is from a historic (1908) collection; this occurrence has likely been extirpated by development. |
| Los Angeles sunflower <i>Helianthus nuttallii</i> ssp. <i>parishii</i> | Coastal marshes | 1A | No suitable habitat present on the HBEP site. Only regional occurrences are two historic records from 1924 and 1933; this species is considered extinct in California. |
| Lyon's pentachaeta <i>Pentachaeta lyonii</i> | Chaparral and valley grasslands | FE SE 1B.1 | No suitable habitat within the HBEP site and the nearest occurrence record is approximately 4.5 miles northeast of the project area and approximately 6 miles southeast of the offsite laydown area. |
| Many-stemmed dudleya <i>Dudleya multicaulis</i> | Chaparral, coastal scrub and grasslands | 1B.2 | No suitable habitat in the project area. Regionally this species is known from a 1932 collection from Newport Bay; this occurrence is thought to be extirpated. |
| Mesa horkelia <i>Horkelia cuneata</i> var. <i>puberula</i> | Oak woodlands | 1B.1 | No suitable habitat present on the HBEP site. Nearest occurrence record is approximately 8.5 miles southeast of the HBEP and no records have been documented within 10 miles of the offsite laydown area. |
| Mud nama <i>Nama stenocarpum</i> | Marshes and vernal pools | 2.2 | No suitable habitat in the project area; known to occur in vernal pools in the Fairview Regional Park. |
| Nuttall's scrub oak <i>Quercus</i> <i>dumosa</i> | Chaparral and coastal sage scrub | 1B.1 | No suitable habitat present on the HBEP site. Nearest occurrence record is approximately 6 miles southeast of the HBEP and no records have been documented within 10 miles of the offsite laydown area. |
| Prostrate vernal pool navarretia <i>Navarretia prostrata</i> | Vernal pools and mesic alkaline sites in grassland and coastal scrub habitats | 1B.1 | No suitable habitat in the project area; known to occur in vernal pools in the Fairview Regional Park. |
| Parish's brittlescale <i>Atriplex</i> <i>parishii</i> | Shadscale scrub, alkali sink freshwater wetlands, vernal pools and wetland-riparian habitats | 1B.1 | No suitable habitat is present within the project area. This species was recorded within 10 miles of the offsite laydown area (CDFG, 2012). |
| Salt marsh bird's-beak <i>Chloropyron maritimum</i> ssp. <i>maritimum</i> | Coastal salt marsh and coastal dunes | FE SE 1B.2 | No suitable habitat in the project area; Regionally this species has been reported from the Upper Newport Bay and the Bolsa Chica Ecological Reserve. |

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| Salt spring checkerbloom <i>Sidalcea neomexicana</i> | Creosote bush scrub, chaparral, yellow pine forest, coastal sage scrub, alkali sink and wetland-riparian | 2.2 | No suitable habitat present within the HBEP site and no occurrences for this species have been documented within 10 miles of the project area. This species has been recorded approximately one-half mile north of the offsite laydown area. |
| San Bernardino aster <i>Symphotrichum defoliatum</i> | Seeps, marshes and mesic grasslands | 1B.2 | No suitable habitat in the project area. Only reported occurrences are from historic collections between 1896 and 1933, most likely extirpated. |
| Sanford's arrowhead <i>Sagittaria sanfordii</i> | Freshwater wetlands | 1B.2 | No suitable habitat is present within the HBEP site and this species has been documented within 5.25 miles northwest of the project area. No occurrences records for this species exist within 10 miles of the offsite laydown area. |
| South Coast saltscale <i>Atriplex pacifica</i> | Coastal scrub, chenopod scrub and playas | 1B.2 | No suitable habitat within the project area; only know occurrence is a 1932 collection from "Newport Bay". |
| Southern tarplant <i>Centromadia parryi</i> ssp. <i>australis</i> | Grassland and upper edges of coastal marshes, often in disturbed areas | 1B.1 | Possible – but unlikely given vegetation management practices on and around the site. Several reported occurrences in the regional vicinity of the HBEP. |
| Ventura Marsh milk-vetch <i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i> | Salt marsh | FE SE 1B.1 | No suitable habitat present. Regional occurrences are from two historic collections from 1881 and 1882, none found in more recent surveys of suitable habitat, potentially extirpated. |
| Animal Species | | | |
| American badger <i>Taxidea taxus</i> | Various open habitats with friable soils and abundant small rodent prey populations | SC | No suitable habitat in the project are; only reported occurrence is from a road kill on Superior Avenue, near the intersection with the Pacific Coast Highway in Newport Beach (CDFG, 2012). |
| Bank swallow <i>Riparia riparia</i> | Vertical banks/cliffs with fine-textured/sandy soils near streams, rivers, lakes, and the ocean | ST SC | Only record for this species is from 1916 (CDFG, 2012); nesting populations are considered to have been extirpated in southern California. |
| Belding's savanna sparrow <i>Passerculus sandwichensis beldingi</i> | Coastal salt marsh | SE | No suitable habitat on the project site, but this species is known to nest in the salt marsh habitat in the immediate vicinity of the site. Also known to occur in several of the wetland preserves in the regional vicinity of the HBEP. |

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| Big free-tailed bat <i>Nyctinomops macrotis</i> | Rugged, rocky areas in both lowland and highland habitats | SC | No suitable habitat present within the project area. Nearest occurrences is approximately 7 miles southeast of the HBEP. |
| Black skimmer <i>Rynchops niger</i> | Nest on gravel bars and open sandy beaches | SC | No suitable nesting habitat, possible foraging habitat in open water habitats in the immediate vicinity of the HBEP. The only reported nesting habitat for this species is at the Bolsa Chica Ecological Reserve. |
| Burrowing owl <i>Athene cunicularia</i> | Open grasslands and shrub lands with small mammal burrows and low growing vegetation | SC | No suitable habitat in the project area. This species is known to occur in the regional vicinity including at the Bolsa Chica Ecological Reserve and in Fairview Regional Park. |
| California black rail <i>Laterallus jamaicensis coturniculus</i> | Marshes and wet meadows, requires dense vegetation for nesting | ST | No suitable habitat in the project area. Nesting population is known to occur in the Upper Newport Bay Ecological Reserve in the regional vicinity of the HBEP |
| California brackishwater snail <i>Tryonia imitator</i> | Coastal lagoons, estuaries and salt marshes | None | No suitable habitat in the project area; regionally this species is known to occur at the Upper Newport Bay and Bolsa Chica Ecological Reserve. |
| California brown pelican <i>Pelecanus occidentalis californicus</i> | Coastal marine and estuarine environments | Delisted | No suitable present within the HBEP site. No CNDDDB occurrences have been recorded for this species within 10 miles of the project site. This species has been documented offshore approximately 6 miles southwest of the offsite laydown area. |
| California horned lark <i>Eremophila alpestris actia</i> | Sparsely vegetated areas in annual grasslands and oak savannah habitats | SC | No suitable habitat on the project site. No species occurrences have been recorded within 10 miles of the offsite laydown area. This species has been documented approximately 7.25 miles east southeast of the HBEP site. |
| California least tern <i>Sternula antillarum browni</i> | Nest in coastal areas in bare or sparsely vegetated areas, sandy beaches, alkali flats landfills and paved areas | FE SE | No suitable habitat on the project site. This species has been reported to nest at Huntington Beach State Park and at the Bolsa Chica Ecological Reserve. |
| Coastal cactus wren <i>Campylorhynchus brunneicapillus</i> | Southern cactus scrub, nests in coastal cholla and coastal prickly pear | SC | No suitable habitat is present within the project area. No occurrences for this species have been recorded within 10 miles of the offsite laydown area. Species has been recorded in multiple locations approximately 8-10 miles for the HBEP site. |

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| Coastal California gnatcatcher <i>Polioptila californica californica</i> | Coastal sage scrub | FT SC | No suitable habitat in the project area. Three reported occurrences in the regional vicinity including two areas along the Upper Newport Bay and one observation from a small patch of coastal sage scrub approximately 4 miles north northwest of the HBEP. |
| Blainville's horned lizard/coast horned lizard <i>Phrynosoma blainvillii</i> | Inhabits open areas of sandy soil and low vegetation in valleys, foothills and semiarid mountains from sea level to 8,000 ft. | SC | No suitable habitat in the project area. No occurrences within the immediate vicinity of the project area. |
| Dorothy's El Segundo dune weevil <i>Trigonoscuta dorothea dorothea</i> | Coastal dunes | None | No suitable habitat in the project area. Only reported occurrences of this species are from the Bolsa Chica Ecological Reserve. |
| Ferruginous hawk <i>Buteo regalis</i> | Grassland and shrub-steppe | SC | No suitable habitat is present within the project area and this species has not been documented within 10 miles of the HBEP site. This species has been recorded approximately 2.5 miles northeast of the offsite laydown area. |
| Globose dune beetle <i>Coelus globosus</i> | Coastal dunes | None | No suitable habitat in the project area. Only record for this species is a 1937 museum collection from "Newport". |
| Grasshopper sparrow <i>Ammodramus savannarum</i> | Prefer short to mid-height, moderately open grasslands with scattered shrubs | SC | No suitable habitat within the HBEP site and has been recorded approximately 7 miles northeast of the project area. This species has not been documented within 10 miles of the offsite laydown area. |
| Green turtle <i>Chelonia mydas</i> | Marine habitats with coral reefs, sea grass beds or mangroves | FT* | No suitable habitat is present within the project area and the species has not been documented within 10 miles of the HBEP site. |
| Hoary bat <i>Lasiurus cinereus</i> | Open habitats or habitat mosaics with access to trees for roosting | None | Possible foraging habitat over open water and wetland habitats in the immediate vicinity of the HBEP site; one collection from 1990 in Newport Beach. |
| Least Bell's vireo <i>Vireo bellii pusillus</i> | Riparian | FE SE SC | No suitable habitat occurs within the HBEP site and this species has not been documented within 10 miles of the offsite laydown area. This species has been observed approximately 7 miles east southeast of the HBEP site. |

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| Light-footed clapper rail <i>Rallus longirostris levipes</i> | Coastal salt marshes | FE SE | No suitable habitat in the project area, although this species has been reported from the coastal salt marsh wetlands immediately adjacent to the site and from several other wetlands preserves in the regional vicinity. |
| Monarch butterfly <i>Danaus plexippus</i> | Roosts in protected groves of trees with nectar and water sources nearby | None | Possible roosting habitat in landscape trees around the site. Species is known to roost in Huntington Beach central Park and at the Bolsa Chica Ecological Reserve. |
| Orangethroat whiptail <i>Aspidoscelis hyperythra</i> | Low desert scrub, grasslands, woodlands and pine forests | SC | No suitable habitat occurs within the HBEP site and this species has not been documented within 10 miles of the offsite laydown area. This species has been recorded in multiple locations east to southeast of the project area, nearest occurrence is approximately 6 miles from the HBEP site. |
| Osprey <i>Pandion haliaetus</i> | Ocean shores, bays, lakes and large rivers and streams | None | Potential foraging in open water habitats in the vicinity of the project; nearest reported nest location is at the Upper Newport Bay Ecological Reserve |
| Pacific pocket mouse <i>Perognathus longimembris pacificus</i> | Fine-grain, sandy substrates on the coastal strand, coastal dunes, river alluvium and coastal sage scrub habitats within 2.5 miles of the ocean | FE SC | No suitable habitat within the project area. This species is presumed to be extinct in the area. The Pacific pocket mouse was discovered in two general locations on the Marine Corps Base, Camp Pendleton in San Diego County and at the Dana Point Headlands (USFWS, 1998). |
| Red-diamond rattlesnake <i>Crotalus ruber</i> | Arid scrub, coastal chaparral, oak and pine woodlands, rocky grassland and cultivated areas | SC | No suitable habitat occurs within the HBEP site and this species has not been documented within 10 miles of the offsite laydown area. |
| San Diego fairy shrimp <i>Branchinecta sandiegonensis</i> | Vernal Pools | FE | No suitable habitat present. Nearest reported occurrence is from Fairview Regional Park |
| Sandy beach tiger beetle <i>Cicindela hirticollis gravida</i> | Coastal sandy areas in the upper zone away from waves | None | No suitable habitat in the project area; only information is from historical records (1951 and 1955); believed to have been extirpated. |
| Senile tiger beetle <i>Cicindela senilis frosti</i> | Marine shorelines including coastal areas, salt marshes and lakes | None | No suitable habitat is present within the project area. |

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| Silver-haired bat <i>Lasionycteris noctivagans</i> | Forests | None | No suitable habitat is present within the project area. This species has been recorded within 10 miles of the HBEP site. |
| South coast marsh vole <i>Microtus californicus stephensi</i> | Tidal marshes | SC | No suitable habitat is present within the project area. This species has been documented approximately 3.5 miles southeast of the offsite laydown area. |
| Southern California rufous-crowned sparrow <i>Aimophila ruficeps canescens</i> | Coastal sage scrub, Riversidean alluvial fan sage scrub and desert scrubs | None | No suitable habitat is present within the project area. |
| Tricolored blackbird <i>Agelaius tricolor</i> | Freshwater marshes, riparian scrublands and forests | SC | Species had been documented approximately one-half mile northwest of the offsite laydown area (CDFG, 2012). No suitable habitat is present within the HBEP site. |
| Wandering (=saltmarsh) skipper <i>Panoquina errans</i> | Coastal salt marsh | None | No suitable habitat in the project area, but this species has been observed in the coastal salt marsh wetlands immediately adjacent to the project site. This species is also known to occur at the Bolsa Chica Ecological Reserve. |
| Western beach tiger beetle <i>Cicindela latesignata latesignata</i> | Coastal mudflats and beaches | None | No suitable habitat in the project area; all regional occurrences are based on historical localities, all of which are considered extirpated. |
| Western mastiff bat <i>Eumops perotis californicus</i> | Known to roost in high buildings, forages in a variety of habitats | SC | Potential to forage over the open water and wetlands and around the site; this species has been observed in Huntington Beach Central Park. |
| Western pond turtle <i>Emys marmorata</i> | Permanent and intermittent freshwater habitats including marshes, streams, rivers, ponds and lakes | SC | No suitable habitat is present within the project area. |
| Western snowy plover <i>Charadrius alexandrinus nivosus</i> | Sandy beaches, salt pond levees and edges of large alkaline lakes | FT SC | Species is reported to utilize the coastal salt marshes in the vicinity of the site for foraging and loafing. All nesting populations in the region have been extirpated. |
| Western tidal-flat tiger beetle <i>Cicindela gabbii</i> | Sandy areas along estuaries and tidal flats | None | No suitable habitat in the project area; historic collections from beaches in the vicinity of the project area as well as the Bolsa Chica Ecological Reserve, but assumed to be extirpated from these localities. |

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| Western yellow bat <i>Lasiurus xanthinus</i> | Desert regions, dry tropical forest to semi-tropical wet forests | SC | No suitable habitat is present within the project area. This species will roost in native and non-native palm trees. This species has been documented approximately 9.8 miles northwest of the HBEP site. |
| Western yellow-billed cuckoo <i>Coccyzus americanus occidentalis</i> | Riparian | Candidate SE | No suitable habitat is present within the project area and has not been documented within 10 miles of the HBEP site. |
| White-tailed kite <i>Elanus leucurus</i> | Agricultural fields, grasslands, marshes, savannahs and other open land or sparsely wooded areas | None | No suitable habitat is present within the HBEP site. This species has been documented in multiple locations east to northeast of the project area. The closest occurrence is approximately 6.5 miles from the project area. |
| Yellow-breasted chat <i>Icteria virens</i> | Valley foothill riparian and desert riparian habitats | SC | No suitable habitat is present within the project area and has not been documented within 10 miles of the offsite laydown area. This species has been documented in multiple locations approximately 8 miles northeast to southeast of the HBEP site. |

*The green sea turtle is federally threatened species throughout its Pacific Range.

Status Codes:

- FE – Federally listed as endangered
- FT – Federally listed as threatened
- SE – State listed as endangered
- ST – State listed as threatened
- SC – State Species of Concern

California Native Plant Society:

- 1A - Plants Presumed Extinct in California
- 1B.1 - Plants Rare, Threatened, or Endangered in California and Elsewhere; Seriously Threatened in California
- 1B.2- Plants Rare, Threatened, or Endangered in California and Elsewhere; Fairly threatened in California
- 2.2 - Plants Rare, Threatened, or Endangered in California, But More Common Elsewhere; Fairly threatened in California

Sources:

- California Department of Fish and Game (CDFG). 2012. California Natural Diversity Data Base.
- Calflora. 2012. Information on wild California plants for conservation, education, and application. Available online at: <http://www.calflora.org/>
- United States Fish and Wildlife Service (USFWS). 1998. Pacific pocket mouse (*Perognathus longimembris pacificus*) Recovery Plan. Portland, OR. 112 pp.