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Petition for Post-Certification Change
Construction Laydown Areas for
Gas Pipeline Construction
Condition of Certification COM-10

For the

Stanton Energy Reliability Center
Stanton, California
16-AFC-1

August 2019

Stanton Energy Reliability Center, LLC

Contents

Section	Page
Acronyms and Abbreviations	v
Executive Summary	1
Introduction	1-1
1.1 Information Requirements for the Post-certification Amendment.....	1-1
1.2 Licensing History	1-2
1.3 Necessity of Proposed Changes	1-2
1.4 Consistency of Changes with Certification.....	1-2
1.5 Summary of Environmental Impacts	1-4
1.6 Conditions of Certification	1-4
1.7 References	1-4
Description of Project Modifications	2-1
Environmental Analysis of Proposed Project Modifications	3-1
3.1 Air Quality	3-2
3.2 Biological Resources	3-3
3.3 Cultural Resources	3-4
3.4 Geology and Paleontology.....	3-5
3.5 Hazardous Materials Management	3-6
3.6 Land Use	3-7
3.7 Noise and Vibration.....	3-8
3.8 Public Health.....	3-9
3.9 Socioeconomics	3-10
3.10 Soil and Water Resources	3-11
3.11 Traffic and Transportation.....	3-12
3.12 Visual Resources	3-13
3.13 Waste Management.....	3-14
3.14 Worker Safety and Fire Protection	3-15
Potential Effects on the Public	4-1
List of Property Owners.....	5-1
Potential Effects on Property Owners	6-1

Appendixes

- A Biological Resources Reconnaissance Report
- B Cultural Resources Survey Report

Tables

- 1 Informational Requirements for Post-Certification Modifications
- 2 Proposed New Construction Laydown Areas for Natural Gas Pipeline Construction

Figures

- 1 Project Location
- 2 Carbon Creek Laydown Area
- 3 Walmart Laydown Area
- 4 Sears Laydown Area

Acronyms and Abbreviations

AFC	Application for Certification
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
COC	Condition of Certification
CRS	Cultural Resources Specialist
KOP	Key Observation Point
LORS	laws, ordinances, regulations, and standards
MBTA	Migratory Bird Treaty Act
Petition	Petition for Post-Certification Changes
SERC	Stanton Energy Reliability Center
SCE	Southern California Edison Company
SoCalGas	Southern California Gas Company
WMP	Waste Management Program

Executive Summary

Stanton Energy Reliability Center, LLC (project owner), petitions the California Energy Commission (CEC) to change the certification of the Stanton Energy Reliability Center (SERC) project (16-AFC-1C). This Petition for Project Change (Petition) requests the addition of three newly identified locations to be used temporarily for laydown and additional parking for construction of the natural gas pipeline. This petition requests a change to the project description only. It does not request changes to project operation or changes to any of the Conditions of Certification.

SECTION 1.0

Introduction

The Stanton Energy Reliability Center (SERC) (16-AFC-1C) is under construction at 10711 Dale Avenue in Stanton, Orange County, California (Figure 1-1). This Petition requests authority to add three newly identified construction laydown and parking areas as a change to the project description. This area would be used by the construction contractor hired by Southern California Gas Company (SoCalGas) for construction of the dedicated natural gas pipeline that will serve the facility (Figure 1-2). This petition seeks to add three newly identified areas for natural gas pipeline construction laydown. Use of the new laydown areas will be temporary and for construction only. The laydown areas will not be used during project operation. This petition does not require changes to the Conditions of Certification.

1.1 Information Requirements for the Post-Certification Change

This Petition contains all the information that is required pursuant to the CEC's Siting Regulations (California Code of Regulations [CCR] Title 20, Section 1769, Post Certification Petition for Changes in Project Design, Operation or Performance and Amendments and Changes to the Commission Decision). The information necessary to fulfill the requirements of Section 1769 is contained in Sections 1.0 through 6.0, as summarized in Table 1.

TABLE 1
Informational Requirements for Post-Certification Change

Section 1769 Requirement	Section of Petition Fulfilling Requirement
(A) A complete description of the proposed change, including new language for any conditions of certification that will be affected	Section 2.0—Proposed modifications Sections 3.1 to 3.15—No changes to conditions of certification are proposed.
(B) A discussion of the necessity for the proposed change and an explanation of why the change should be permitted	Section 1.5
(C) A description of any new information or change in circumstances that necessitated the change	Sections 1.5, 3.0
(D) An analysis of the effects that the proposed change to the project may have on the environment and proposed measures to mitigate any significant environmental effects	Section 3.0
(E) A discussion how the proposed change would affect the project's compliance with applicable laws, ordinances, regulations, and standards	Section 3.15
(F) A discussion of how the proposed change would affect the public	Section 4.0
(G) A list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of any affected project linears and 1,000 feet of the project site	Section 5.0
(H) A discussion of the potential effect of the proposed change on nearby property owners, residents, and the public	Section 6.0

1.2 Licensing History

On October 26, 2016, the project owner filed an Application for Certification (AFC) with the CEC to construct and operate a 98 MW power facility with 10 MW of integrated battery storage at the SERC site (SERC, LLC 2016). The California Energy Commission (CEC) approved the AFC on November 7, 2018 (Final Decision, CEC, 2018) and SERC began construction in February 2019.

1.3 Necessity of Proposed Changes

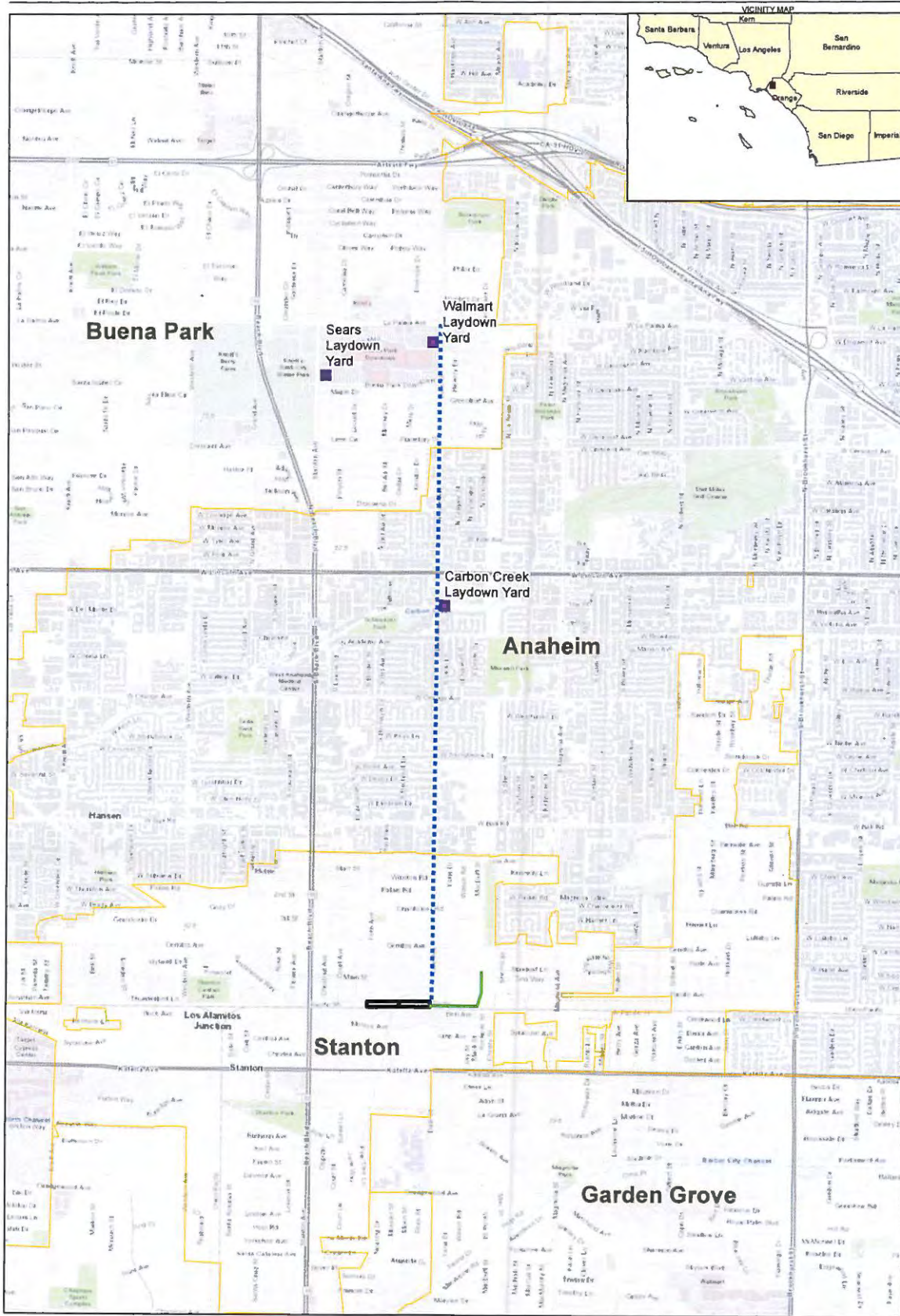
The Siting Regulations require a discussion of the necessity for the proposed change and whether the modification is based on information known by the petitioner during the certification proceeding (Title 20, CCR, Sections 1769 [a][1][B]). This Petition for Post-Certification Change requests approval to add three construction laydown and parking areas to support natural gas pipeline construction.

The construction contractor recently retained by SoCalGas to construct the gas pipeline has identified the need for these additional laydown areas. At the time of licensing, the project owner's and SoCalGas's assessment was that the two previously identified laydown areas (SCE parcel immediately north of the SERC and a vacant lot on Dale Avenue owned by the St. John the Baptist Greek Orthodox Church) would provide enough area for natural gas pipeline construction with appropriate staging.

1.4 Consistency of Changes with Certification

The Siting Regulations also require a discussion of the consistency of the proposed change with applicable laws, ordinances, regulations, and standards (LORS) and whether the changes are based on new information that changes or undermines the assumptions, rationale, findings, or other basis of the CEC Final Commission Decision (Title 20, CCR Section 1769 [a][1][E]). If the project is no longer consistent with the certification, the Petition must provide an explanation why the change should be permitted.

The addition of the construction laydown areas is consistent with the Conditions of Certification, as demonstrated by an environmental analysis focused on the new laydown areas, as reported in Section 3.0 of this Petition. The environmental analysis considers all 14 of the environmental disciplines addressed in the Final Commission Decision.



- LEGEND**
- Generator Tie-Line
 - - - Natural Gas Pipeline Route
 - Laydown Yard
 - Project Site
 - City Boundary



Figure 1
Project Location
 Stanton Energy Reliability Center
 Stanton, California

1.5 Summary of Environmental Impacts

The CEC Siting Regulations require that an analysis be conducted to address the potential impacts the proposed project change may have on the environment, and proposed measures to mitigate any potentially significant adverse impacts (Title 20, CCR, Section 1769 [a][1][D]). The regulations also require a discussion of the impact of the change on the facility's ability to comply with applicable LORS (Section 1769 [1][a][E]). Section 3.0 of this Petition includes a discussion of the potential environmental impacts associated with the change, as well as a discussion of the consistency of the change with LORS. Section 3.0 also includes updated environmental baseline information if changes have occurred since the project was licensed that would have a bearing on the environmental analysis of the Petition. Section 3.0 of this Petition concludes that there will be no significant environmental impacts associated with the addition of the construction laydown areas and that the project as modified will comply with all applicable LORS.

1.6 Conditions of Certification

This Petition does not require any changes to Conditions of Certification.

1.7 References

California Energy Commission (CEC). 2018. *Energy Commission Decision, Application for Certification for the Stanton Energy Reliability Center, Docket Number 16-AFC-1*. California Energy Commission, Sacramento, California. November.

Stanton Energy Reliability Center, LLC. 2016. *Application for Certification for the Stanton Energy Reliability Center*. Submitted to California Energy Commission, Sacramento, California. October.

Stanton Energy Reliability Center, LLC. 2019. *Petition for Post-Certification Change, Construction Laydown Area, Condition of Certification COM-10 for the Stanton Energy Reliability Center Stanton, California (16-AFC-1)*. Submitted to California Energy Commission, Sacramento, California. May.

SECTION 2.0

Description of Project Change

Consistent with CEC Siting Regulations (Title 20, CCR, Section 1769 [a][1][A]), this section includes a description of the proposed project change. This Petition proposes modifying the SERC license to include additional construction laydown, parking, and staging areas that will be used temporarily for construction and not for operation. The new proposed construction laydown areas are as follows (Table 2).

Table 2. Proposed New Construction Laydown Areas for Natural Gas Pipeline Construction

Assessor's Parcel	Street Address	Dimensions	Acreage	Ground cover
126-571-62	East side of Dale Avenue, north side of Carbon Creek , Anaheim	63' x 200'	0.289	Ruderal grasses, shrubs
070-511-08	8450 On the Mall Lane, Buena Park (off Dale Avenue near Walmart)	227' x 253' x 222' x 279'	1.4	Paved parking lot with tree planters
070-511-001	(no number) On the Mall Lane, Buena Park (off Stanton Avenue near Sears)	269' x 305' x 266' x 305'	1.87	Paved parking lot with tree planters

The **Carbon Creek** parcel consists of an approximately 0.289-acre portion of a long and narrow parcel of land lying between a residential neighborhood on the north and the Carbon Creek channel on the south in Anaheim. The area is covered in ruderal vegetation with trees and shrubs along the adjacent housing fenceline to the north (Figure 2).

The **Walmart** parcel is a portion of the Buena Park Downtown Shopping Mall parking lot north of the Walmart store on the Dale Avenue side of the mall. The parcel is entirely paved except for a small strip of vegetation along Dale Avenue and small tree planters at the south end of the laydown area adjacent to the store's access lane (Figure 3).

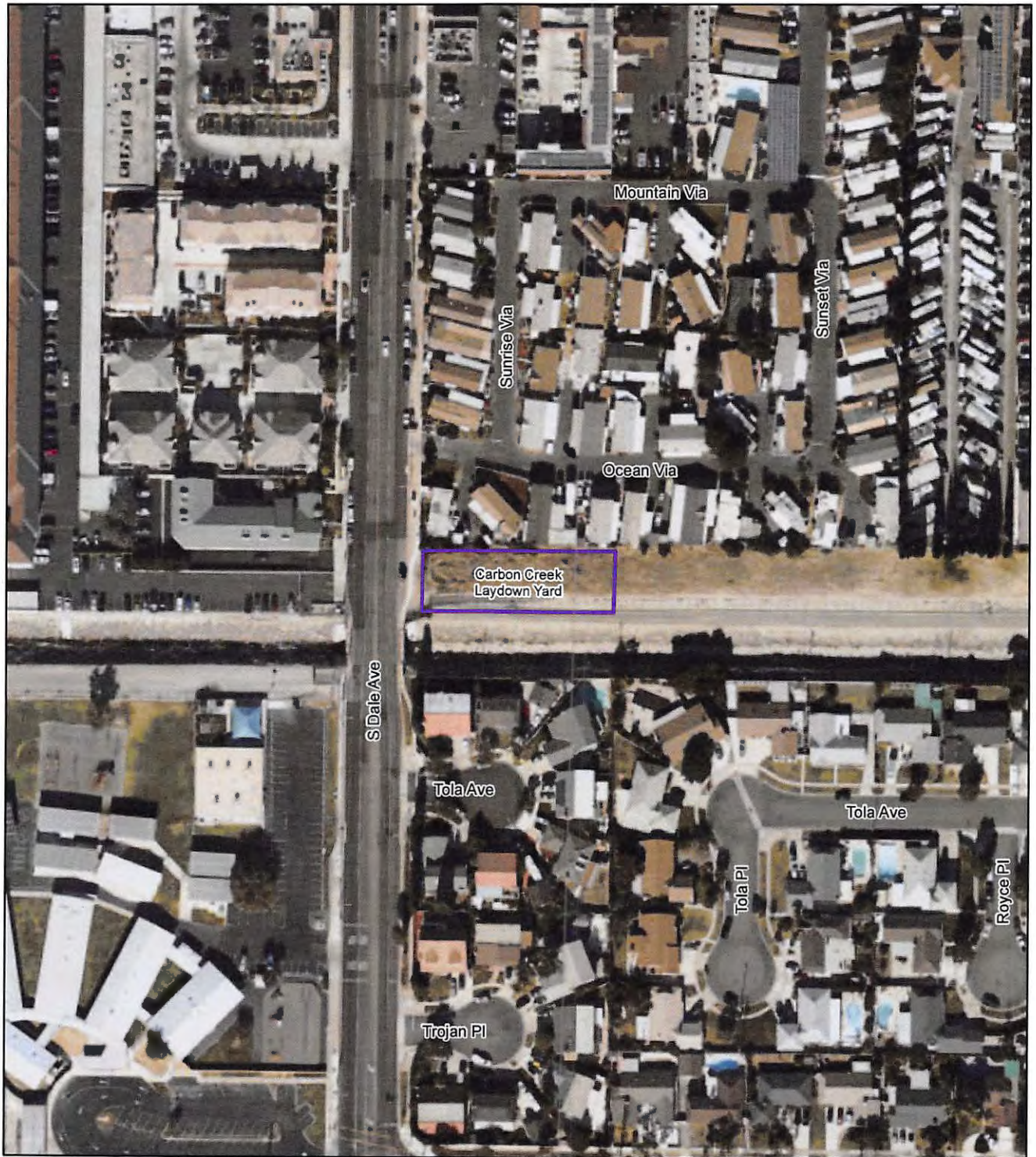
The **Sears** parcel is a portion of the Buena Park Downtown Shopping Mall parking lot southwest of the Sears store and west of the Krikorian Premiere Theaters, on the Stanton Avenue side of the mall just north of On the Mall Lane. The parcel is entirely paved except for small strips of vegetation along Stanton Avenue and On the Mall Lane and small tree planters interspersed within the parking area (Figure 4).

Project construction activities within the laydown areas include the following:

- Worker parking
- Storage of tools and equipment in Conex boxes
- Equipment parking
- Pipe fittings and welding
- Pipe staging and storage

A fence and locked gate are currently in place that will prevent public access to the Carbon Creek laydown area. Temporary fencing will be installed at the Walmart and Sears yards for the same purpose.

These areas will be used temporarily for construction laydown, staging, and equipment parking only.



LEGEND

 Carbon Creek Laydown Yard



Figure 2
Carbon Creek Laydown Yard
Stanton Energy Reliability Center
Stanton, California



LEGEND
[Purple Box] Walmart Laydown Yard

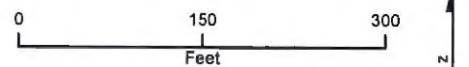


Figure 3
Walmart Laydown Yard
Stanton Energy Reliability Center
Stanton, California



LEGEND

 Sears Laydown Yard

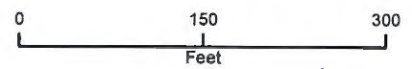


Figure 4
Sears Laydown Yard
Stanton Energy Reliability Center
Stanton, California

SECTION 3.0

Environmental Analysis of Proposed Change

The following sections provide environmental analyses for each of 14 different discipline areas considered in the Commission Decision that address:

- Significant changes to the project area environmental baseline if these changes have taken place since the certification was granted and have a bearing on the environmental impact analyses for the amended facility
- Significant changes to environmental impacts of the facility that are a result of adding the construction laydown area

The environmental disciplines are addressed in alphabetical order, as follows:

- 3.1 Air Quality
- 3.2 Biological Resources
- 3.3 Cultural Resources
- 3.4 Geology and Paleontology
- 3.5 Hazardous Materials Management
- 3.6 Land Use
- 3.7 Noise and Vibration
- 3.8 Public Health
- 3.9 Socioeconomics
- 3.10 Soil and Water Resources
- 3.11 Traffic and Transportation
- 3.12 Visual Resources
- 3.13 Waste Management
- 3.14 Worker Safety and Fire Protection

3.1 Air Quality

The addition of the construction laydown areas proposed by the Petition will not cause air quality impacts that are different than those discussed in the Final Decision (16-AFC-1). There will be no new impacts to air quality. Gas line construction was addressed in the original license and gas line construction equipment was included in construction emissions modeling for the AFC. The use of the additional laydown areas does not increase the number or types of pieces of construction equipment used and therefore would not increase air emissions.

3.1.1 Mitigation Measures

There will be no significant impacts to air quality resulting from the approval of this Petition. Therefore, no additional resource protection measures, beyond those required in the Final Decision (16-AFC-1) are necessary.

3.1.2 Consistency with LORS

The proposed modifications will conform with all applicable LORS related to air quality.

3.1.3 Conditions of Certification

This Petition does not require changes to the existing Air Quality Conditions of Certification (COCs) from the Final Decision (16-AFC-1).

3.2 Biological Resources

The addition of the construction laydown areas proposed by the Petition would not result in impacts to biological resources. Studies conducted for the Petition included a field survey of the three laydown sites undertaken by Designated Biologist Ava Edens and Biological Resources Monitor Ken Levenstein on August 6, 2019. A full report of the survey is included in Appendix A.

The survey did not result in the discovery of any active nests of birds protected under the Migratory Bird Treaty Act (MBTA) or other sensitive biological resources.

3.2.1 Mitigation Measures

No significant impacts to biological resources will result from the approval of this Petition, given compliance with the existing Conditions of Certification. Therefore, no additional resource protection measures, beyond those required in the Final Decision (16-AFC-1) are necessary. Existing Conditions regarding monitoring of biological resources and protection of nesting birds are sufficient to prevent significant impacts to biological resources.

3.2.2 Consistency with LORS

The proposed modifications will conform with all applicable LORS related to biological resources.

3.2.3 Conditions of Certification

This Petition does not require changes to the existing biological resource COCs from the Final Decision (16-AFC-1).

3.3 Cultural Resources

The addition of the three construction laydown areas proposed by the Petition would not result in impacts to cultural resources. Studies conducted for the Petition on August 9, 2019 included pedestrian field survey of the laydown sites. The survey did not result in discovery of cultural resources on any of the proposed laydown yard sites. A full report of this survey is found in Appendix B.

3.3.1 Mitigation Measures

No significant impacts to cultural resources will result from the approval of this Petition. Therefore, no additional resource protection measures, beyond those required in the Final Decision (16-AFC-1) are necessary. If previously undiscovered cultural resources are found during use of the laydown yard, mitigation measures in the Final Commission Decision regarding the treatment of emergency discoveries, including Condition CUL-7 (Power of the CRS/Cultural Resources Discovery Protocols) and the implementation of CUL-3 (Cultural Resources Mitigation and Monitoring Plan) will help to ensure that no adverse impacts occur.

3.3.2 Consistency with LORS

Implementation of the proposed modifications will comply with all applicable cultural resource-related LORS.

3.3.3 Conditions of Certification

This Petition does not require changes to the existing cultural resource COCs from the Final Decision (16-AFC-1).

3.4 Geology and Paleontology

The addition of three construction laydown areas proposed by the Petition will not cause geological hazards or result in impacts to paleontological or geological resources. Use of the laydown areas also will not involve excavation so no geological and paleontological resource will be exposed. Therefore, geological and paleontological resources will not be adversely affected.

3.4.1 Mitigation Measures

No significant impacts to geological or paleontological resources will result from the approval of this Petition. Therefore, no additional resource protection measures, beyond those required in the Final Decision (16-AFC-1), are necessary.

3.4.2 Consistency with LORS

The 16-AFC-1 assessment was conducted consistent with guidelines promulgated by the Society for Vertebrate Paleontology for the evaluation and mitigation of impacts to paleontological resources. Proposed modifications will comply with all applicable LORS related to geologic and paleontological resources.

3.4.3 Conditions of Certification

This Petition does not require changes to the geology and paleontology COCs from the Final Decision (16-AFC-1).

3.5 Hazardous Materials Management

The addition of three construction laydown areas proposed by the Petition will require similar hazardous materials use, chemical inventory, and management as discussed in the Final Decision (16-AFC-1). Therefore, there will be no additional impacts resulting from hazardous materials management in the proposed laydown area.

The chemicals listed in the Final Decision, 16-AFC-1, remain unchanged to accommodate the proposed modifications. No new chemicals are required because of the modifications and it will not be necessary to increase the quantities of hazardous materials currently used at the project site. Use of the laydown areas will be temporary and will take place during construction only.

No additional hazardous materials storage is required to accommodate the modifications. Therefore, no new hazardous material impacts would result from the project modifications. Hazardous materials will be handled and stored in a safe manner and in accordance with the applicable LORS consistent with the Final Decision, 16-AFC-1.

3.5.1 Mitigation Measures

No significant impacts from hazardous materials handling will result from the approval of this Amendment. Therefore, mitigation measures beyond those required in the Final Decision (16-AFC-1) are not necessary.

3.5.2 Consistency with LORS

The proposed modifications will conform with all applicable LORS related to hazardous materials.

3.5.3 Conditions of Certification

This Petition does not require changes to the hazardous material management COCs from the Final Decision (16-AFC-1).

3.6 Land Use

The addition of three construction laydown areas proposed by the Petition will not result in land use impacts beyond those considered in the Final Decision (16-AFC-1). The parcels to be used as laydown areas are currently: (Carbon Creek site) a vacant lot and (Walmart, Sears sites) paved areas within existing shopping mall parking lots. No adverse land use impacts will result from the proposed change.

No new land use impacts will occur because of implementation of the proposed modifications. The construction use of the laydown yards will be temporary and will not physically divide an established community; conflict with applicable land use plans, policies, or regulations; or conflict with an applicable habitat conservation plan.

3.6.1 Mitigation Measures

No significant impacts to land use will result from the approval of this Petition. Therefore, mitigation measures beyond those in the Final Decision (16-AFC-1) are not necessary.

3.6.2 Consistency with LORS

The proposed modifications will conform to all applicable LORS related to land use.

3.6.3 Conditions of Certification

This Petition does not require changes to the existing land use COCs from the Final Decision (16-AFC-1).

3.7 Noise and Vibration

The addition of three construction laydown areas proposed by the Petition will not result in noise impacts greater than those considered in the Final Decision (16-AFC-1). Land use development intensity in the project area has not changed since the ambient noise survey was conducted for 16-AFC-1. Construction noise will not increase significantly from what was analyzed in the Staff Assessment. Use of these areas for construction laydown will not involve the addition of construction equipment or other new sources of noise not already contemplated in the AFC and Commission Decision. Therefore, impacts will remain less than significant with the use of the laydown areas.

3.7.1 Mitigation Measures

No significant noise impacts will result from the approval of this Petition. Therefore, mitigation measures beyond those required in the Final Decision (16-AFC-1) are not necessary.

3.7.2 Consistency with LORS

Use of the laydown areas under the proposed modification will: (1) conform to all worker safety and health noise limits, (2) be conducted in accordance with applicable noise-related LORS, and (3) conform to existing COCs (16-AFC-1). The noise from the proposed modifications will remain below the applicable noise standards for construction in the Cities of Stanton, Buena Park, and Anaheim.

3.7.3 Conditions of Certification

This Petition does not require changes to the existing noise and vibration COCs from the Final Decision (16-AFC-1).

3.8 Public Health

The addition of three construction laydown areas proposed by the Petition will not result in public health impacts greater than those considered in the Final Decision (16-AFC-1). Gas line construction was addressed in the original license and gas line construction equipment was included in construction emissions modeling and human health risk assessments done for the AFC. The use of the additional laydown areas does not increase the number or types of pieces of construction equipment or amounts or types of hazardous materials used and therefore would not increase hazardous air emissions beyond what was considered in the AFC.

3.8.1 Mitigation Measures

No significant public health impacts will result from the approval of this Petition. Therefore, mitigation measures beyond those required in the Final Decision (16-AFC-1) are not necessary.

3.8.2 Consistency with LORS

Construction of the gas pipeline using the new laydown areas will conform with all applicable LORS related to public health as identified in the Final Decision (16-AFC-1).

3.8.3 Conditions of Certification

This Petition does not require changes to public health COCs. These changes are consistent with Final Decision (16-AFC-1).

3.9 Socioeconomics

Use of the new laydown areas proposed by this Petition will not result in socioeconomic impacts beyond those considered in the Final Decision, (16-AFC-1). No significant impacts to socioeconomics will result from the approval of this Petition. The use of the new laydown areas will not cause an influx of construction or operation workers into the local area; will not have an adverse effect on employment, housing, schools, medical, tax revenues, and fire and police protection; and will not change revenue from sales taxes due to construction activities or recruitment of employees and purchase of materials from the local area.

3.9.1 Mitigation Measures

No changes to the mitigation measures included in the Final Decision (16-AFC-1) are necessary.

3.9.2 Consistency with LORS

Use of the laydown areas will conform with all applicable LORS related to socioeconomics as identified in the Final Decision (16-AFC-1).

3.9.3 Conditions of Certification

This Petition does not require changes to the existing socioeconomic COCs from the Final Decision (16-AFC-1).

3.10 Soil and Water Resources

The addition of three construction laydown areas proposed by the Petition will require the same soil and water management requirements as described in the Final Decision (16-AFC-1). Uses of the laydown areas will not result in impacts to soil and water resources. During construction, dust erosion control measures will be implemented to minimize wind-blown soil loss, as required in the Conditions of Certification. Water will be sprayed on the soil in construction areas to control dust during use. Since no significant impacts to soil and water resources will result from the approval of this Petition, additional mitigation measures beyond those included in the Final Decision (16-AFC-1) are not necessary.

3.10.1 Mitigation Measures

No changes to the mitigation measures included in the Final Decision (16-AFC-1) are necessary.

3.10.2 Consistency with LORS

Implementation of the proposed modifications will conform to all applicable LORS related to soil and water resources as identified in the Final Decision, 16-AFC-1.

3.10.3 Conditions of Certification

This Petition does not require changes to the existing soil and water resources COCs from the Final Decision (16-AFC-1).

3.11 Traffic and Transportation

The addition of three construction laydown areas proposed by this Petition will not result in traffic and transportation impacts greater than those considered in the Final Decision (16-AFC-1). Project construction with this change will not result in substantial changes to the traffic and transportation findings and conclusions of the Final Decision for 16-AFC-1. The number of construction workers commuting to the project site and the number of heavy haul trucks needing access to the site (i.e. project-related trip generation) will not change.

3.11.1 Mitigation Measures

No significant impacts to the local or regional traffic and transportation network will result from the approval of this Petition. Therefore, mitigation measures beyond those included in the Final Decision (16-AFC-1), are not necessary. The existing construction Traffic Control Plan and implementation program, required under COC TRANS-2, includes appropriate measures to address timing of heavy equipment and building material deliveries, signing, lighting, flagging, emergency access, and traffic controls.

3.11.2 Consistency with LORS

The project will remain consistent with all applicable LORS related to traffic and transportation.

3.11.3 Conditions of Certification

This Petition does not require changes to the existing transportation COCs from the Final Decision (16-AFC-1).

3.12 Visual Resources

The addition of three construction laydown areas proposed by this Petition will not result in significant impacts on visual resources because it will not cause noticeable changes visible to offsite observers or from the key observation points (KOPs) identified in 16-AFC-1. In addition, the use of the laydown areas is temporary and for construction only.

Construction use of the laydown areas will not be visible from the KOPs evaluated as part of 16-AFC-1 and therefore implementation of the proposed modifications will not change the conclusions from the Final Decision (16-AFC-1).

3.12.1 Mitigation Measures

No significant impacts to visual resources will result from the approval of this Petition. Therefore, mitigation measures beyond those included in the Final Decision are not necessary.

3.12.2 Consistency with LORS

Implementation of the proposed modifications will conform to all applicable LORS related to visual resources as identified in the Final Decision, 16-AFC-1.

3.12.3 Conditions of Certification

This Petition does not require changes to the existing visual resources COCs from the Final Decision (16-AFC-1).

3.13 Waste Management

The addition of three construction laydown areas proposed by the Petition will require similar waste management requirements to those described in the Final Decision (16-AFC-1). Compliance with the existing Construction and Demolition Environmental Resources Management and Recycling Plan and COCs included in the Final Decision, (16-AFC-1), would prevent environmental impacts related to waste management.

Packaging waste will be generated during use of the additional laydown yards but will not differ in quantity or type from that contemplated in the AFC and Final Decision. All construction waste will be disposed of in accordance with the existing project Construction and Demolition Environmental Resources Management and Recycling Plan, consistent with the Final Decision.

3.13.1 Mitigation Measures

No significant impacts in terms of waste management would result from the approval of this Petition. Therefore, mitigation measures beyond those identified in the Final Decision (16-AFC-1), are not necessary.

3.13.2 Consistency with LORS

The proposed modifications will conform with all applicable LORS related to waste management as identified in the Appendix A to the Final Decision (16-AFC-1).

3.13.3 Conditions of Certification

This Petition does not require changes to the existing waste management COCs from the Final Decision (16-AFC-1).

3.14 Worker Safety and Fire Protection

The addition of three construction laydown areas proposed by the Petition will not result in worker safety and fire protection impacts beyond those described in the Final Decision (16-AFC-1). All construction workers will undergo proper safety training in conformance with the existing health and safety requirements described in the Final Decision (16-AFC-1).

3.14.1 Mitigation Measures

No significant impacts in terms of worker safety and fire protection will result from the approval of this Petition. Therefore, mitigation measures beyond those included in the Final Decision (16-AFC-1) are not necessary.

3.14.2 Consistency with LORS

The proposed modifications will conform with all applicable LORS related to worker safety and fire protection as identified in the Appendix A to the Final Decision (16-AFC-1).

3.14.3 Conditions of Certification

This Petition does not require changes to the existing worker safety and fire protection COCs from the Final Decision (16-AFC-1).

SECTION 4.0

Potential Effects on the Public

This section discusses the potential effects on the public that may result from the modifications proposed in this Petition, pursuant to CEC Siting Regulations (Title 20, CCR, Section 1769[a][1][F]).

The changes to the project, as proposed in this Petition, will not result in any greater impacts on the public and property owners than those analyzed during project licensing (16-AFC-1), resulting in no effect on the public and property owners beyond what was originally approved by the CEC.

SECTION 5.0

List of Property Owners

CEC Siting Regulations (Title 20, CCR, Section 1769[a][1][G]) require that the property owners within 1,000 feet of the site and within 500 feet of affected linears are identified. Notification of property owners within 1,000 feet of the site and 500 feet of the natural gas pipeline regarding project construction (project site and gas line) has taken place and it is not necessary to repeat the notification for this petition. The laydown yards will be used temporarily for vehicle parking and storage of equipment supporting construction of the natural gas pipeline.

Potential Effects on Property Owners

This section addresses potential effects of the proposed change discussed in this Petition on nearby property owners, residents, and the public pursuant to CEC Siting Regulations (Title 20, CCR, Section 1769 [a][1][H]).

The project, as modified, will not differ significantly in potential effects on adjacent land owners or residents, compared with the project as previously proposed. The project, therefore, would have no adverse effects on nearby property owners, residents, the public, or other parties as determined in the Final Decision, 16-AFC-1.

Appendix A

Biological Resources Reconnaissance Report

Subject **Stanton Energy Reliability Center Biological Resource Assessment
Natural Gas Pipeline Route and Construction Laydown Yards**

Project Name Stanton Energy Reliability Center (SERC)

Prepared By: Ken Levenstein, Jacobs
 Ava Edens, Jacobs
 SERC CEC Designated Biologist

Date August 9, 2019

Prepared For: Tim Bofman, Wellhead Construction Inc.

1. Introduction

The Stanton Energy Reliability Center (SERC; the Project), in Stanton, California is currently under construction and excavation for installing the gas pipeline that will supply the facility is scheduled to begin on August 19, 2019. The gas pipeline will run along Dale Avenue from La Palma Avenue south to the SERC facility at 10711 Dale Avenue. In addition to previously studied laydown yards, the contractor hired by Southern California Gas Company to construct the pipeline proposes to use three parcels as laydown yards for pipeline construction materials and additional parking. Jacobs conducted a biological resource assessment including desktop analysis, habitat assessment, and reconnaissance survey of the three proposed laydown yards. This memorandum summarizes the results of that analysis and provides a supplement to SERC, LLC's Application for Certification (AFC) before the California Energy Commission (CEC). This survey was conducted to provide biological resources documentation for SERC, LLC's Petition for Post-Certification Changes to the SERC license for the addition of the laydown yards to the project description.

2. Project Location

The proposed laydown yards are located: 1) in a vacant lot just north of and adjacent to Carbon Creek on the east side of Dale Avenue where the creek crosses Dale; 2) in a parking lot adjacent to the Walmart store in the northeast corner of the Buena Park Downtown Shopping Mall near the intersection of La Palma and Dale Avenues; and 3) in a parking lot adjacent to the Sears store at the southwest corner of the Buena Park Downtown Mall parking area, where Stanton Avenue and On the Mall Lane intersect. Figures showing the laydown yard locations are found at the end of this report.

3. Methods

The following subsections describe the methods used for the desktop analysis, habitat assessment, and reconnaissance survey.

3.1 Desktop Analysis

Jacobs conducted queries of the California Natural Diversity Database (CNDDDB) (California Department of Fish and Wildlife [CDFW], 2019), California Native Plant Society (CNPS) (2019) database, and U.S. Fish and Wildlife Service (USFWS) databases (USFWS, 2019a, 2019b, and 2019c) to identify special-status plant and wildlife species and sensitive habitats potentially occurring in the Survey Areas. A list of special-status species was generated using geographical information system queries of the CNDDDB and USFWS databases conducted for the proposed laydown yards, plus 5-mile buffers. A query of the CNPS database was conducted for the nine U.S. Geological Survey 7.5-minute quadrangles centered on the gas pipeline alignment. Jacobs reviewed the results of these queries, biological studies included in SERC's AFC, aerial imagery, and other publicly available data. Prior to conducting the field survey, a list was prepared of special-status species potentially occurring in the Survey Area (see Attachment 1). There are no sensitive habitats located within the Survey Area.

3.2 Habitat Assessment and Reconnaissance Survey

On August 6, 2019, Ava Edens, the SERC Designated Biologist, Dr. Ken Levenstein, a senior biologist with Jacobs and approved biological monitor for SERC, and Cara Snellen, a biologist with Jacobs and also an approved biological monitor for SERC conducted a habitat assessment and reconnaissance survey for the proposed laydown yards, plus a 150-foot buffer (Survey Area). Conventional survey protocols, including guidelines provided by USFWS (1996), CDFW (2009) and CNPS (2001), were reviewed and implemented as appropriate. In general, a pedestrian survey was conducted by walking meandering transects 30 feet apart throughout the Survey Area. Inaccessible areas (e.g., private property not part of the laydown yards) were surveyed using binoculars.

3.2.1 Special-Status Plants and Wildlife

The potential for special-status plant and wildlife species to occur in the Survey Area was assessed based on historical data. Areas with native soil were surveyed for the presence of special-status species or sign (e.g., scat, tracks, and burrows).

3.2.2 Nesting Birds

The Survey Area was surveyed for special-status bird species and species protected by the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code. Trees, shrubs, man-made structures, and ground surfaces were surveyed for bird nests. The survey also focused on observations of courtship and behavioral cues.

4. Results

The weather conditions at the time of the field survey are presented in Table 1.

Table 1. Weather Conditions

Date	Time (24-hour)	Project Location	Temperature (°F)	Wind (mph)	Cloud Cover (%)	Precipitation (None, Light, Moderate, Heavy)	Comments
8/6/2019	0854-1046	Anaheim and Buena Park, California	70-75	0-5	25	None	Good visibility

Notes:

F = degrees Fahrenheit

% = percent

mph = miles per hour

The survey results are summarized in the following subsections. Photographs can be found in Attachment 2.

4.1 Site Description

Land uses in the immediate vicinity of the project include commercial, industrial, residential, and developed/disturbed areas. The Survey Area consists primarily of disturbed land, with relatively compacted soils and ruderal (predominantly non-native) vegetation.

4.2 Special-status Plants

The Survey Area does not include habitats for special-status plants, and no special-status plants were observed. A list of plant species observed during the survey is provided as Attachment 3.

4.3 Special-status Wildlife

The Survey Area is highly degraded as wildlife habitat and unlikely to support special-status wildlife species. No fossorial mammal dens large enough to be used by burrowing owls (e.g., dens produced by ground squirrel or canid species) were observed.

Common wildlife species observed within or adjacent to the Survey Area included Eurasian collared dove (*Streptopelia decaocto*), mourning dove (*Zenaida macroura*), rock pigeon (*Columba livia*), black phoebe (*Sayornis nigricans*), American crow (*Corvus brachyrhynchos*), northern mockingbird (*Mimus polyglottos*), European starling (*Sturnus vulgaris*), house finch (*Haemorhous mexicanus*), house sparrow (*Passer domesticus*).

4.4 Nesting Birds

No active bird nests (i.e., nests attended by adults with or without eggs or young) and no old, inactive bird nests were observed in the Survey Area. No raptor nests were observed during the survey.

4.5 Other Potential Environmental Issues

No other potential environmental constraints were identified.

5. Summary and Recommendations

No special-status plants, special-status wildlife, or sensitive habitats were observed within the Survey Area. Laydown activities are proposed during the latter part of the avian nesting season, continued

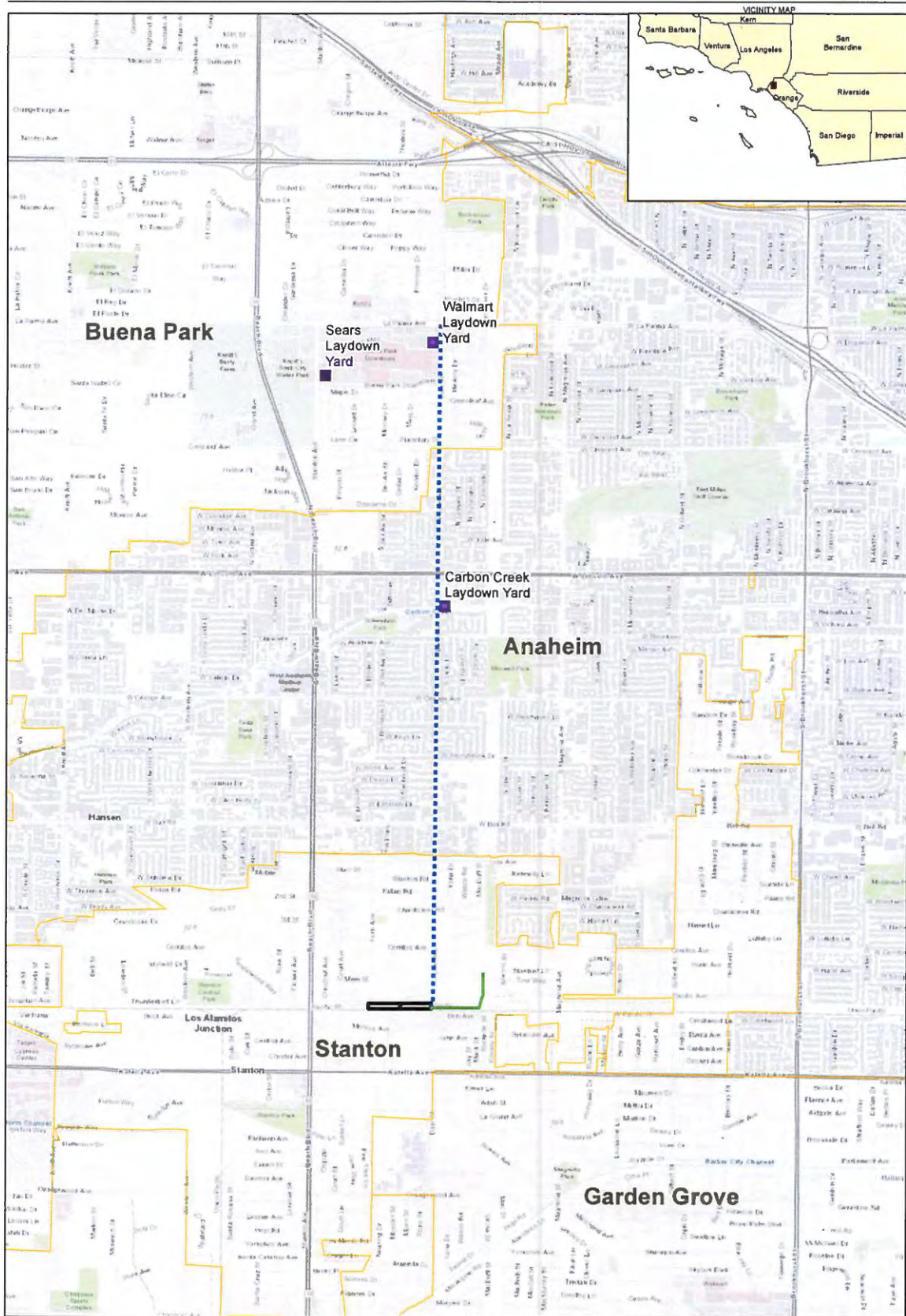
adherence to the Conditions of Certification will help to minimize potential effects to wildlife including nesting birds.

6. References

- California Department of Fish and Wildlife (CDFW). 2009. *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities*. Sacramento, California. <http://www.dfg.ca.gov/bdb/pdfs/guideplt.pdf>.
- California Department of Fish and Wildlife (CDFW). 2019. California Natural Diversity Database (CNDDDB). *RareFind5*. Electronic database. <https://apps.wildlife.ca.gov/rarefind/view/RareFind.aspx>. Sacramento, California.
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- California Native Plant Society (CNPS). 2019. *Inventory of Rare, Threatened, and Endangered Plants of California*. (online edition, v8-03 0.39). Website <http://www.rareplants.cnps.org> [accessed 9 August 2019].
- United States Fish and Wildlife Service (USFWS). 1996. *Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed, Proposed, and Candidate Plants*. April 22.
- United States Fish and Wildlife Service (USFWS). 2019a. USFWS Critical Habitat for Threatened and Endangered Species GIS Database. <https://ecos.fws.gov/ecp/report/table/critical-habitat.html>
- United States Fish and Wildlife Service (USFWS). 2019b. Candidate, Threatened, and Endangered Species in Orange County, California based on published population data. <https://ecos.fws.gov/ecp0/reports/species-by-current-range-county?fips=06059>
- United States Fish and Wildlife Service (USFWS). 2019c. Species proposed for listing in California based on published population data. https://ecos.fws.gov/ecp0/reports/ad-hoc-species-report?status=A*&header=Species+Proposed+for+Status+Change+or+Delisting&fleadreg=on&fstatus=on&finvpop=on.

Figures

Survey Areas



- LEGEND**
- Generator Tie-Line
 - - - - Natural Gas Pipeline Route
 - Laydown Yard
 - Project Site
 - City Boundary

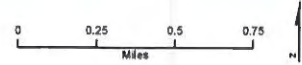
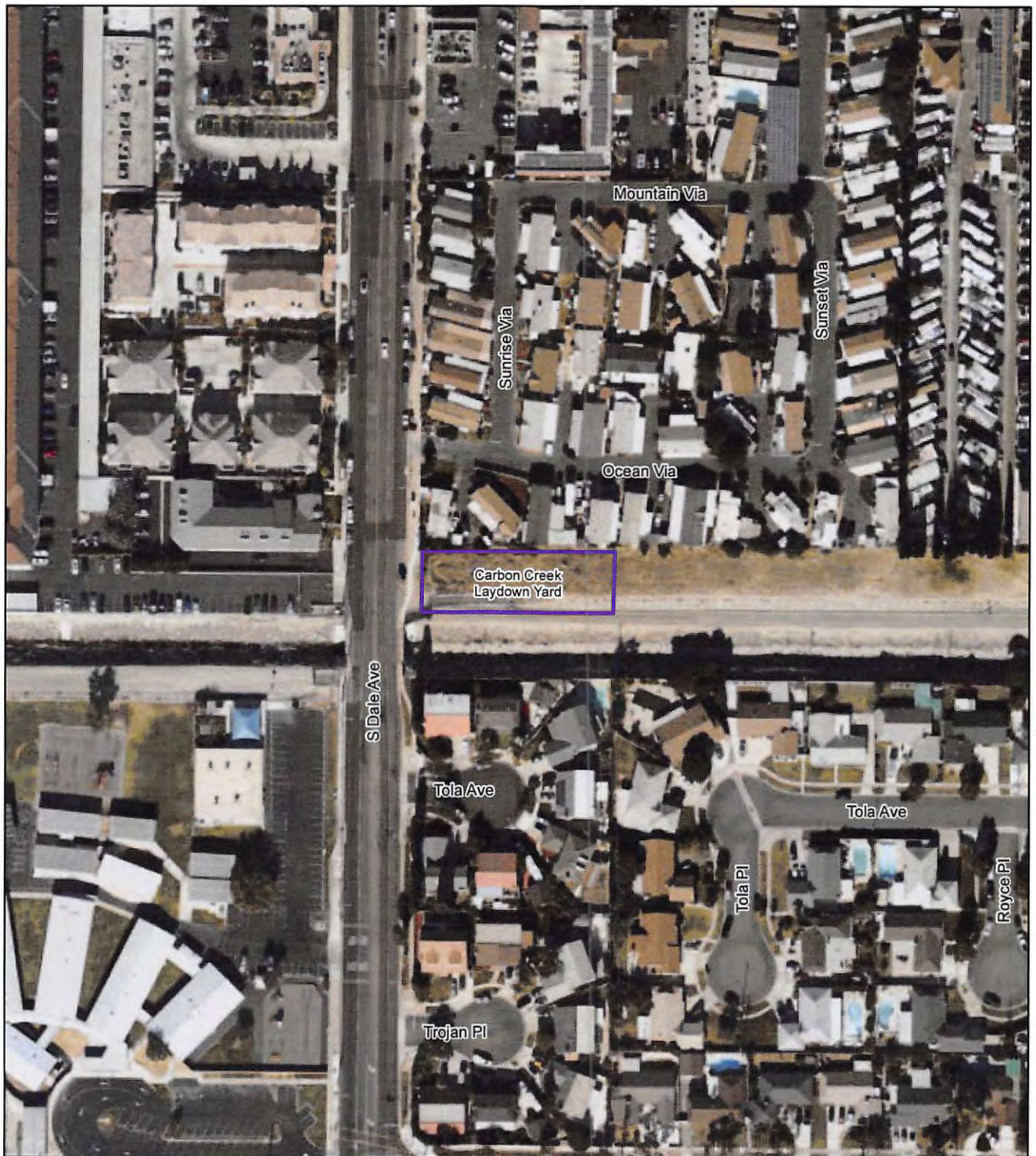


Figure 1
Project Location
Stanton Energy Reliability Center
Stanton, California



LEGEND

Carbon Creek Laydown Yard

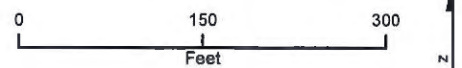


Figure 2
 Carbon Creek Laydown Yard
 Stanton Energy Reliability Center
 Stanton, California



LEGEND

 Walmart Laydown Yard

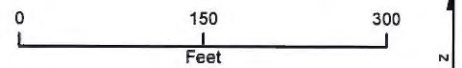


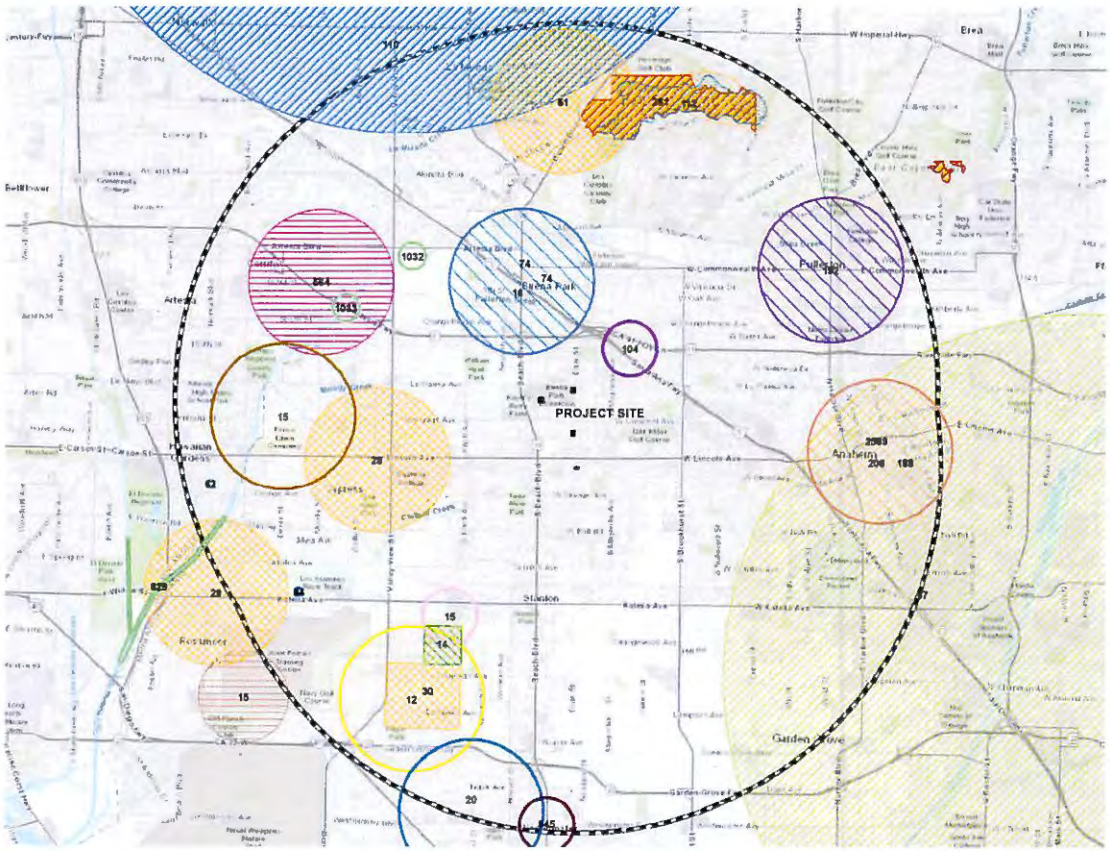
Figure 3
Walmart Laydown Yard
Stanton Energy Reliability Center
Stanton, California



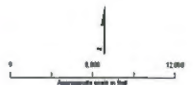
LEGEND
Sears Laydown Yard



Figure 4
Sears Laydown Yard
Stanton Energy Reliability Center
Stanton, California



- LEGEND**
- CNDOB July 2019
- bank swallow
 - Brand's star phacelia
 - California black rail
 - coastal California gnatcatcher
 - coastal cactus wren
 - Coulter's goldfields
 - Crotch bumble bee
 - Parish's brittlescale
 - San Bernardino aster
 - Swainson's hawk
 - ferruginous hawk
 - least Bell's vireo
 - quino checkerspot butterfly
 - salt marsh bird's-beak
 - salt spring checkerbloom
 - southern California legless lizard
 - southern tarplant
 - western masiff wren
 - western pond turtle
 - western spadefoot
 - western yellow bat
 - western yellow-billed cuckoo
 - Critical Habitat (USFWS)
 - 5-Mile Buffer
 - Laydown Yards



CNDOB July 2019
 Sanborn Energy Reliability Center
 Sanborn, California



**Attachment 1
Special-Status
Species with
Potential to
Occur**

Natural Gas Pipeline Route and Construction Laydown Yards

Special-Status Species with Potential to Occur within the Regional Vicinity of the Stanton Energy Reliability Center's Proposed Laydown Yards

Species	Status * (Federal/ State/Other)	Habitat Requirements	Potential for Occurrence/ Nearest Identified Occurrence
Chaparral sand-verbena <i>Abronia villosa</i> var. <i>aurita</i>	---/ CNPS 1B.1	Annual herb; blooms January through September. Occurs in coastal scrub and chaparral.	Extirpated. A historic record (1929) for this species was documented within the Santa Ana River. The population has been extirpated as a result of channelization. Suitable habitat for this species was not observed in the study area.
Parish's brittle-scale <i>Atriplex parishii</i>	---/ CNPS 1B.1	Annual herb; blooms July through October. Occurs in shadscale scrub, alkali sink freshwater wetlands, vernal pools and wetland-riparian habitats	Extirpated. A historic record (1881) for this species was documented within the vicinity of Buena Park. Suitable habitat for this species was not observed within the Survey Area.
Davidson's salt-scale <i>Atriplex serenana</i> var. <i>davidsonii</i>	---/ CNPS 1B.2	Annual herb; blooms April through October. Occurs in alkaline soil within coastal bluff scrub and coastal scrub communities.	Extirpated. This species was documented within the Seal Beach Naval Weapons Station in 1988. Suitable habitat for this species was not observed within the Survey Area.
Southern tarplant <i>Centromedia parryi</i> ssp. <i>australis</i>	---/ CNPS 1B.1	Annual herb; blooms May through November. Occurs in grassland and upper edges of coastal marshes, often in disturbed areas.	Extirpated. The only occurrence of this species within 5 miles of the Project was last documented in Bolsa Chica in 2003. There is no suitable habitat for this species within the Survey Area.
Salt marsh bird's-beak <i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	FE/SE/ CNPS 1B.2	Annual herb; blooms May through October. Limited distribution at the higher zones of coastal salt marsh and coastal dune habitat.	Extirpated. Historic occurrence records for this species have been documented within the regional vicinity; however, the populations are expected to be extirpated. Suitable habitat for this species was not observed within the Survey Area.
Los Angeles sunflower <i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	---/ CNPS 1A	Perennial herb; blooms August through October. Occurs in coastal marshes.	Extirpated. A historic occurrence record for this species was documented in Wintersburg (1924). Suitable habitat for this species was not observed within the Survey Area.
Coulter's goldfields <i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	---/ CNPS 1B.1	Annual herb; blooms July through February. Occurs in coastal marshes, playas, vernal pools and mesic grasslands	Extirpated. A historic occurrence record for this species was documented in the vicinity of Cypress and is presumed to be extirpated (1932). Suitable habitat for this species was not observed within the Survey Area.
Mud nama <i>Nama stenocarpa</i>	---/ CNPS 2B.2	Annual herb; unknown blooming period. Occurs in marshes and vernal pools.	Extirpated. This species has been documented within Anaheim Marsh and Fairview Park. Suitable habitat for this species was not observed within the Survey Area.

Natural Gas Pipeline Route and Construction Laydown Yards

Special-Status Species with Potential to Occur within the Regional Vicinity of the Stanton Energy Reliability Center's Proposed Laydown Yards

Species	Status * (Federal/ State/Other)	Habitat Requirements	Potential for Occurrence/ Nearest Identified Occurrence
Gambel's water cress <i>Nasturtium gambelii</i>	FE/ST/ CNPS 1B.1	Perennial herb; blooms April through October. Occurs in freshwater and brackish marshes.	Extirpated. A historic record (1908) for this species has been documented within the vicinity of Huntington Beach and is presumed to be extirpated because of development. Suitable habitat for this species was not observed within the Survey Area.
Coast woolly-heads <i>Nomacaulis denudata</i> var. <i>denudata</i>	---/ CNPS 1B.2	Annual herb; blooms April through September. Occurs in coastal dunes.	Extirpated. This species was documented within Bolsa Chica in 2009. Suitable habitat for this species was not observed within the Survey Area.
California Orcutt grass <i>Orcuttia californica</i>	FE/FE/ CNPS 1B.1	Annual grass; blooms April through August. Occurs in valley grasslands, vernal pools and wetland-riparian communities.	Extirpated. This species was documented near Lakewood but is presumed to be extirpated. Suitable habitat for this species was not observed within the Survey Area.
Brand's star phacelia <i>Phacelia stellaris</i>	---/ CNPS 1B.1	Annual herb; blooms March through June. Occurs in coastal dunes.	Extirpated. This species was documented within Bryant Ranch, near Long Beach, but is presumed to be extirpated. Suitable habitat for this species not observed within Survey Area.
Salt Spring checkerbloom <i>Sidalcea neomexicana</i>	---/ CNPS 2B.2	Perennial herb; blooms March through June. Occurs in Creosote bush scrub, chaparral, yellow pine forest, coastal sage scrub, alkali sink and wetland-riparian	Extirpated. This species was documented within Bryant Ranch, near long Beach, but is presumed to be extirpated. Suitable habitat for this species was not observed within the Survey Area.
Estuary seablite <i>Suaeda estoroea</i>	---/---/ CNPS 1B.2	Perennial herb; blooms May through October. Occurs in coastal salt marshes.	Extirpated. This species was documented within Bolsa Chica State Beach Park in 1973. Suitable habitat for this species was not observed within the Survey Area.
San Bernardino aster <i>Symphotrichum defoliatum</i>	---/---/ CNPS 1B.2	Perennial herb; blooms July through November. Occurs in seeps, marshes and mesic grasslands.	Extirpated. This species was near Tustin but is presumed to be extirpated. Suitable habitat for this species was not observed within the Survey Area.
Birds			
Burrowing owl <i>Athene cunicularia</i>	--- / --- / S3	Found in open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation.	Extirpated. This species was last observed in Orange County at Seal Beach Naval Weapons Station. Suitable habitat for this species was not observed within the Survey Area.

Natural Gas Pipeline Route and Construction Laydown Yards

Special-Status Species with Potential to Occur within the Regional Vicinity of the Stanton Energy Reliability Center's Proposed Laydown Yards

Species	Status * (Federal/ State/Other)	Habitat Requirements	Potential for Occurrence/ Nearest Identified Occurrence
Ferruginous hawk <i>Buteo regalis</i>	--- / --- / S3, S4	Found in open grasslands, sagebrush flats, desert scrub, low foothills and fringes of pinyon and juniper habitats	Extirpated. This species was south of Los Alamitos Armed Forces Reserve Center. Suitable nesting habitat for this species was not observed within the Survey Area.
Swainson's hawk <i>Buteo swainsoni</i>	--- / ST / S3	Breeds in grasslands with scattered trees; requires adjacent suitable foraging areas such as grasslands supporting rodent populations.	Extirpated. This species was near Anaheim, but possibly extirpated. Suitable nesting habitat for this species was not observed within the Survey Area.
Western yellow-billed cuckoo <i>Coccyzus americanus occidentalis</i>	FT / SE / S1	Found nesting in riparian forest, along the broad, lower flood-bottoms of larger river systems.	Extirpated. This species was near Anaheim, but extensive development since the date of observation has eliminated nesting and foraging habitat. Suitable habitat for this species was not observed within the Survey Area.
Bank swallow <i>Riparia riparia</i>	--- / ST / S2	Riparian species, not dependent on riparian vegetation; however, water and wind erosion important in creating and maintaining banks and bluffs suitable for nesting.	Extirpated. One specimen collected 1894 near Whittier. Extirpated as breeder from Southern California. No suitable habitat for this species within the Survey Area.
California black rail <i>Lateralalis jamaicensis coturniculus</i>	--- / ST / FPS S1	Suitable habitat generally includes salt marshes, freshwater marshes, and wet meadows.	Extirpated. One individual collected near Orange in 1896. Suitable nesting habitat for this species was not observed within the Survey Area.
Coastal California gnatcatcher <i>Poliotila californica californica</i>	FT / --- / S2	Found exclusively in coastal sage scrub habitat. Coastal sage scrub is composed of low-growing, drought-deciduous, and succulent plant species (e.g., coastal sagebrush, California buckwheat, Opuntia, cholla, and various sage species).	Extirpated. The species was found well north of the Survey Area in coastal sage scrub dominated hills of La Habra. No suitable habitat for this species within the Survey Area.
Coastal cactus wren <i>Campylorhynchus brunneicapillus sandiegensis</i>	--- / --- / S3	Found exclusively in coastal sage scrub habitat. Coastal sage scrub is composed of low-growing, drought-deciduous, and succulent plant species (e.g., coastal sagebrush, California buckwheat, Opuntia, cholla, and various sage species).	Extirpated. The species was found well north of the Survey Area in coastal sage scrub dominated hills of La Habra. No suitable habitat for this species within the Survey Area.
Least Bell's vireo <i>Vireo bellii pusillus</i>	FE / SE / S1	Found in low riparian in vicinity of water or in dry river bottoms, below 2,000 ft.	Extirpated. The species was near Camitos, occurrence is likely extirpated. Suitable nesting habitat for this species was not observed within the Survey Area.
Mammals			

Natural Gas Pipeline Route and Construction Laydown Yards

Special-Status Species with Potential to Occur within the Regional Vicinity of the Stanton Energy Reliability Center's Proposed Laydown Yards

Species	Status * (Federal/ State/Other)	Habitat Requirements	Potential for Occurrence/ Nearest Identified Occurrence
Western mastiff bat <i>Eumops perotis californicus</i>	-- / -- / S3, S4	Found in conifer deciduous woodlands, coastal scrub, grasslands, chaparral, etc.	Extirpated. One individual collected in the vicinity of Buena Park in 1990. Suitable cliff, tunnel, high building or tree roosting habitat for this species was not observed within the Survey Area.
Western yellow bat <i>Lasiurus xanthinus</i>	-- / -- / S3	This species prefers riparian woodland habitat, especially where palm trees are found nearby.	Extirpated. One individual collected in the vicinity of Garden Grove in 1990. Suitable habitat for this species was not observed within the Survey Area.
Reptiles			
Southern California legless lizard <i>Anniella stebbinsi</i>	-- / -- / S3	Found in coastal sand dunes and a variety of interior habitats, including sandy washes and alluvial fans. They live mostly underground, burrowing in the loose, sandy soil.	Extirpated. One individual collected in Hawaiian Gardens in 1988. Suitable habitat for this species was not observed within the Survey Area.
Western pond turtle <i>Emys marmorata</i>	-- / -- / S3	An aquatic turtle of ponds, streams, irrigation ditches, below 6,000-foot elevation.	Extirpated. This species was documented east of the city limits of Long Beach, in 1987. The species requires sandy banks or grassy open fields at least 0.5 km from water. Suitable habitat for this species was not observed within the Survey Area.
Western spadefoot <i>Spea hammondi</i>	-- / -- / S3	Found primarily in grasslands, but occasional populations also occur in valley-foothill hardwood woodlands.	Extirpated. One individual collected in Westminster in 1952. Suitable habitat for this species was not observed within the Survey Area.
Invertebrates			
Crotch bumble bee <i>Bombus crotchii</i>	-- / -- / S1, S2	Found in coastal California, east to the Sierra-Cascade Crest and south into Mexico.	Extirpated. This species was documented in the general vicinity of Fullerton. Suitable habitat for this species was not observed within the Survey Area.
Quino checkerspot butterfly <i>Euphydryas oditha quino</i>	FE / -- / S1, S2	Usually associated with openings in scrub, coastal sage scrub, chaparral, oak woodland, and grassland plant communities, especially openings that are characterized by native bunch grasses and forbs.	Extirpated. Suitable habitat for this species was not observed within the Survey Area.

Natural Gas Pipeline Route and Construction Laydown Yards

Special-Status Species with Potential to Occur within the Regional Vicinity of the Stanton Energy Reliability Center's Proposed Laydown Yards

Species	Status * (Federal/ State/Other)	Habitat Requirements	Potential for Occurrence/ Nearest Identified Occurrence
---------	---------------------------------------	----------------------	--

California Department of Fish and Wildlife (CDFW). 2017. California Natural Diversity Database (CNDDB). Search within 5 miles. Search within 5 miles. August 8, 2019.

* Key to Status Designations:

Federal Designations:

(FE) Federally Endangered, (FT) Federally Threatened, (FPE) Federally Proposed Endangered, (FPT) Federally Proposed Threatened, (FSC) Species of Concern, (FC) Candidate

State Designations:

(SE) State Endangered, (ST) State Threatened, (SR) State Rare, (SSC) Species of Special Concern, (CFP) Fully Protected Species

State rank (S-rank):

(S1) Less than 6 EOs OR less than 1,000 individuals OR less than 2,000 acres, (S2) 6-20 EOs OR 1,000-3,000 individuals OR 2,000-10,000 acres, (S3) 21-80 EOs or 3,000-10,000 individuals OR 10,000-50,000 acres, (S4) Apparently secure within California; this rank is clearly lower than S3 but factors exist to cause some concern; i.e. there is some threat, or somewhat narrow habitat. NO THREAT RANK, (SS) Demonstrably secure to Ineliminable in California. NO THREAT RANK.

California Native Plant Society (CNPS) Designations:

(1A) Plants presumed extirpated in California and either rare or extinct elsewhere; (1B) Plants rare, threatened, or endangered in California and elsewhere; (2A) Plants presumed extirpated in California but common elsewhere; (2B) Plants rare, threatened, or endangered in California but more common elsewhere; (3) More information is needed; (4) Limited distribution; (.1) Seriously threatened in California; (.2) Moderately threatened in California; (.3) Not very threatened in California.

Attachment 2
Survey
Photographs



Photo 1. View northeast from the southwest corner of the proposed Carbon Creek Laydown Yard.

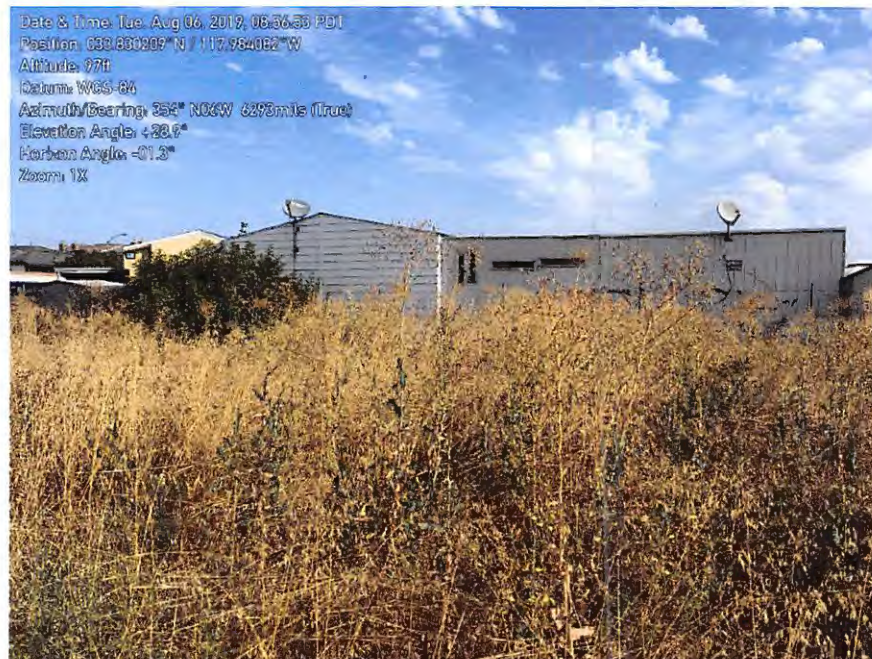


Photo 2. View north from the south-central portion of the proposed Carbon Creek Laydown Yard.



Photo 3. View west-southwest towards Dale Avenue from the northeast portion of the proposed Carbon Creek Laydown Yard.



Photo 4. View southwest from the south-central portion of the proposed Carbon Creek Laydown Yard at a drain leading from the parcel into Carbon Creek.



Photo 5. View north-northwest from southeast portion of the proposed Walmart Parking Lot Laydown Yard.



Photo 6. View south from the southeast portion of the proposed Walmart Parking Lot Laydown Yard.



Photo 7. View southwest from the northeast corner of the proposed Sears Parking Lot Laydown Yard.



Photo 8. View west from the northeast corner of the proposed Sears Parking Lot Laydown Yard.

Attachment 3
Observed Plant
Species

Observed Pant Species List			
Stanton Electric Reliability Center Natural Gas Pipeline Laydown Yards			
Common Name	Scientific Name	Status Federal/State	Native or Non-native Species
Carbon Creek Parcel			
tumbling pigweed	<i>Amaranthus albus</i>	--/--	Native
morning glory	<i>Calystegia sp.</i>		Native
white goosefoot	<i>Chenopodium album</i>	--/--	Non-native
Bermuda grass	<i>Cynodon dactylon</i>	--/--	Non-native
horseweed	<i>Erigeron canadensis</i>	--/--	Native
spotted spurge	<i>Euphorbia maculata</i>	--/--	Non-native
English ivy	<i>Hedera helix</i>	--/--	Non-native
shortpod mustard	<i>Hirschfeldia incana</i>	--/--	Non-native
prickly lettuce	<i>Lactuca serriola</i>	--/--	Non-native
Brisbane box tree	<i>Lophostemon confertus</i>	--/--	Non-native
cheeseweed	<i>Malva parviflora</i>	--/--	Non-native
smilo grass	<i>Piptatherum miliaceum</i>	--/--	Non-native
castor bean	<i>Ricinus communis</i>	--/--	Non-native
tumbleweed	<i>Salsola tragus</i>	--/--	Non-native
Brazilian pepper tree	<i>Schinus terebinthifolius</i>	--/--	Non-native
puncture vine	<i>Tribulus terrestris</i>	--/--	Non-native
Sears Parking Lot			
camphor tree	<i>Cinnamomum camphora</i>	--/--	Non-native
common jasmine	<i>Jasminum officinale</i>	--/--	Non-native
Indian hawthorne	<i>Rhaphiolepis indica</i>	--/--	Non-native
rose	<i>Rosa sp.</i>	--/--	Non-native
Washington fan palm	<i>Washingtonia robusta</i>	--/--	Non-native
Walmart Parking Lot			
Cordyline	<i>Cordyline sp.</i>	--/--	Non-native
Canary Island date palm	<i>Phoenix canariensis</i>	--/--	Non-native
Indian hawthorne	<i>Rhaphiolepis indica</i>	--/--	Non-native
society garlic	<i>Tulbaghia violacea</i>	--/--	Non-native
Washington fan palm	<i>Washingtonia robusta</i>	--/--	Non-native

Federal Designations: (FE) Federally Endangered, (FT) Federally Threatened, (FPE) Federally Proposed Endangered, (FPT) Federally Proposed Threatened, (FSC) Species of Concern, (FC) Candidate

State Designations: (SE) State Endangered, (ST) State Threatened, (SR) State Rare, (CSC) Species of Special Concern, (CFP) Fully Protected Species

California Native Plant Society (CNPS) Rare Plant Rank: (1A) Presumed extinct in California; (1B) Rare, threatened, or endangered in California and elsewhere; (2) Rare, threatened, or endangered in California, but more common elsewhere; (3) More information is needed; (4) Limited distribution; (.1) Seriously endangered in California; (.2) Fairly endangered in California; (.3) Not very endangered in California.

Appendix B

Cultural Resources Survey Report

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Subject Addendum to Cultural Resources Inventory Report for the Stanton Energy Reliability Center
Pipeline Construction Laydown Areas

Attention Stanton Energy Reliability Center, LLC

From Phillip Reid, SERC Cultural Resource Specialist

Date August 12, 2019

Copies to Doug Davy/Jacobs
Karen Parker/Jacobs

1. Introduction

Stanton Energy Reliability Center, LLC (SERC, LLC), a joint venture of W-Power and Wellhead Electric, proposes to develop new electrical power generation in Southern California. SERC, LLC identified a site for the proposed Stanton Energy Reliability Center (SERC) in the city of Stanton, Orange County, California. This technical memo is an addendum to the original report to address additions to the area of potential effects (APE). CH2M conducted the principal surveys in September 2016 as reported in the Cultural Resources Inventory Report for the Stanton Energy Reliability Center (Lawson and Reid 2016). This document reports the findings of an addendum survey of the proposed disturbance areas associated with the project. The original report was filed as an appendix to the Application for Certification before the California Energy Commission for the SERC.

Jacobs/CH2M archaeologist and Cultural Resources Specialist, Phillip Reid M.A. RPA, who meets the qualifications for Archaeologist under the Secretary of the Interior's Professional Qualification Standards, conducted the addendum study and intensive pedestrian survey of the area of potential effects (APE) on August 9, 2019.

The survey area is comprised of three separate locations consisting of a combined 3.6 acres. The Walmart and Sears laydown areas are located in parking lots in the Buena Park Downtown Shopping Center and are entirely paved, except for landscaping planter areas. The Carbon Creek laydown area is located in a vacant parcel adjacent to the channelized Carbon Creek in the city of Anaheim. Attachment A contains figures showing the survey areas. Figure 1 shows the locations of the survey areas and Figures 2, 3, and 4 are maps of the individual survey areas.

1.1.1 Environmental Setting

The additional project locations are in the cities of Buena Park and Anaheim, Orange County, California. The Buena Park areas are in an area of commercial zoning along major thoroughfares. The Anaheim area is a primarily residential area along a major thoroughfare. Within the study area, existing natural

habitats have been entirely displaced. Prior to development, the project was located within open grasslands. Modern development and land use activities have altered the natural setting of the proposed laydown areas.

1.1.2 Methodology

The fundamental goals of a pedestrian survey are to identify and document previously unrecorded cultural resources and to analyze cultural materials, not only to better characterize potential Project effects, but also to attempt to confirm or elaborate on our current understanding of the prehistory and history of the region. From a management perspective, the ability of specific resources to address research questions provides a basis to evaluate CRHR and NRHP eligibility.

The pedestrian survey for prehistoric and historic archaeological resources was performed using pedestrian transects spaced at 15-meter intervals throughout the APE. The APE was surveyed for cultural resources by visually inspecting the ground surface and subsurface exposures, including rodent burrows and cut banks.

1.1.3 Results

The survey area is flat and has sustained disturbances in the form of grading and other activities associated with urban development and stormwater control projects. The entirety of the survey areas is composed of a previously disturbed soils or paved areas (Attachment A). Ground visibility of the survey in this addendum was very poor at under 10-percent due to heavy vegetation and paved areas. No new cultural resources were discovered as a result of this investigation.

The Walmart and Sears laydown areas (Photos 1 and 2) are completely paved, with crushed gravel filling planting areas. No ground surface was visible at these locations and no cultural resources were observed.

The Carbon Creek laydown area is an empty lot immediately adjacent to the now channelized Carbon Creek. Visibility was limited by dense vegetation to a 10-foot-wide roadway on the edge of the parcel nearest the creek (Photo 3). Soils were a gray sandy silt with modern trash and construction debris. No cultural resources were observed.



Photo 1. Sears Survey area, view north



Photo 2. Walmart Survey area, view east



Photo 3. Carbon Creek Survey area, view north

1.1.4 Management Considerations

No archaeological or historic sites were discovered as a result of this investigation. Because ground visibility was so poor at the Carbon Creek laydown area (Photo 3), the CRS recommends that monitoring for cultural resources be conducted during clearing or any ground disturbance at the Carbon Creek laydown area, as there is a moderate potential for the discovery of buried cultural resources not detected through the surface inventory. As the Sears and Walmart laydown areas are paved, no ground disturbance is anticipated to occur in these locations. Per the Cultural Resources Mitigation and Management Plan for SERC, if cultural resources or archaeological materials are discovered during ground-disturbing activities, the work near the discovery should cease, and the area should be protected until the find can be evaluated by a qualified archaeologist.

1.1.5 References

Lawson, Natalie and Amy McCarthy-Reid. 2016. Cultural Resources Inventory Report for the Stanton Energy Reliability Center. Prepared for Stanton Energy Reliability Center, LLC, by CH2M HILL, Inc., Santa Ana, California.

Attachment A
Figures

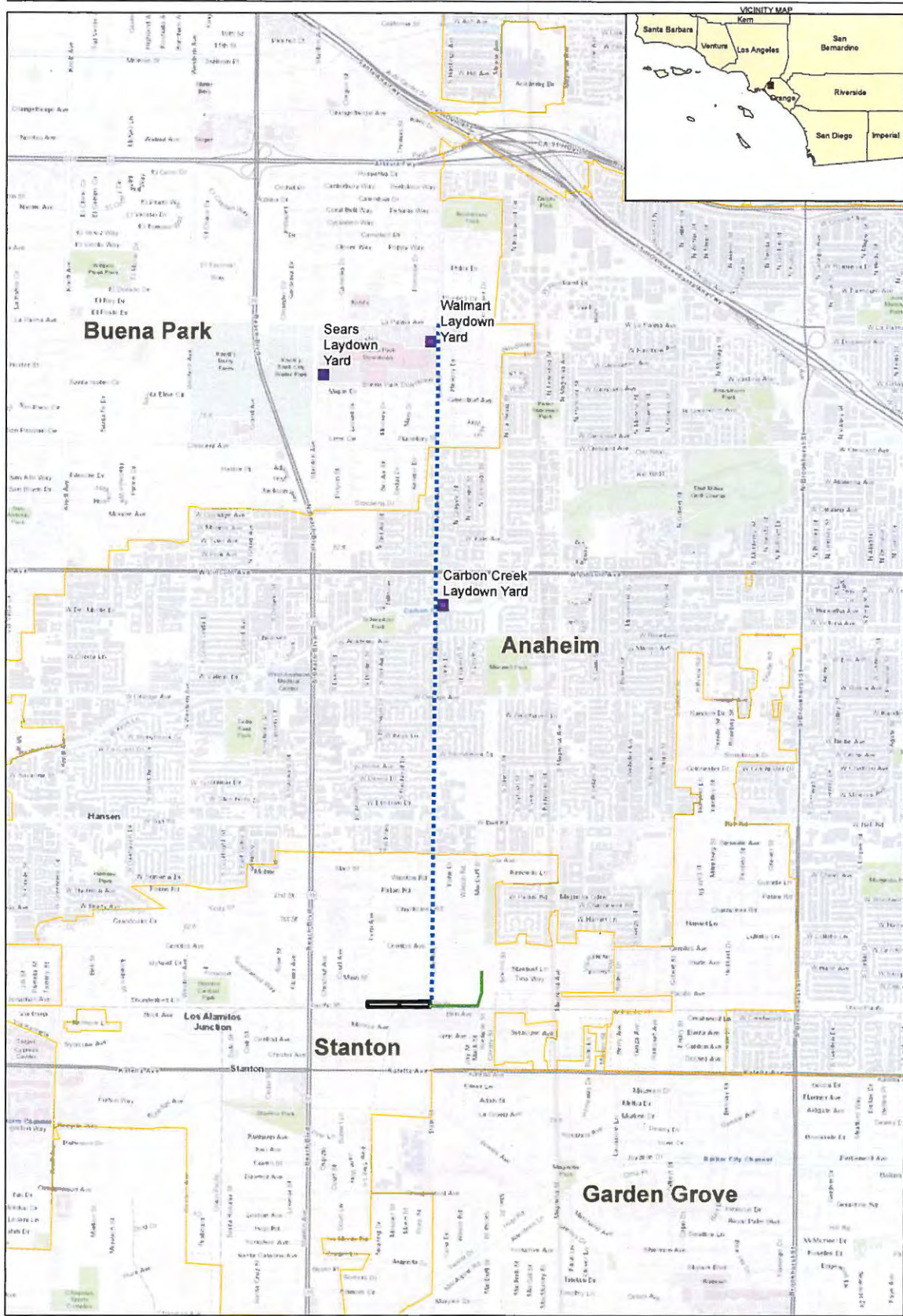


Figure 1
 Project Location
 Stanton Energy Reliability Center
 Stanton, California



LEGEND

Carbon Creek Laydown Yard



Figure 2
 Carbon Creek Laydown Yard
 Stanton Energy Reliability Center
 Stanton, California



LEGEND

Walmart Laydown Yard



Figure 3
 Walmart Laydown Yard
 Stanton Energy Reliability Center
 Stanton, California



LEGEND
Sears Laydown Yard



Figure 4
Sears Laydown Yard
Stanton Energy Reliability Center
Stanton, California