

| <b>DOCKETED</b>         |  |
|-------------------------|--|
| <b>Docket Number:</b>   | 07-AFC-06C   |
| <b>Project Title:</b>   | Carlsbad Energy Center - Compliance  |
| <b>TN #:</b>            | 247263   |
| <b>Document Title:</b>  | MONTHLY COMPLIANCE REPORT- SEPTEMBER 2022  |
| <b>Description:</b>     | THE LAST MONTHLY COMPLIANCE REPORT (MCR)-<br>SEPTEMBER 2022 FOR THE ACTIVITIES RELATED TO THE<br>DEMOLITION OF ENCINA POWER STATION. |
| <b>Filer:</b>           | Anwar Ali  |
| <b>Organization:</b>    | Carlsbad Energy Center LLC   |
| <b>Submitter Role:</b>  | Commission Staff   |
| <b>Submission Date:</b> | 11/3/2022 9:13:58 AM   |
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**Amended Carlsbad  
Energy Center Project  
Encina Power Station  
Demolition  
(07-AFC-06C)  
California Energy Commission  
Phase IV Final  
Monthly Compliance Report  
COM-6**

**September 2022**

***Submitted by: Cabrillo Power I LLC***

***Date Submitted: 10-07-2022***



**Cabrillo Power I, LLC**  
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October 7, 2022

Mr. Anwar Ali, PhD  
Compliance Project Manager  
Amended Carlsbad Energy Center Project (07-AFC-06C)  
California Energy Commission  
1516 Ninth Street (MS-2000)  
Sacramento, CA 95814

**RE: AMENDED CARLSBAD ENERGY CENTER PROJECT, DOCKET NO. 07-AFC-06C, PHASE IV DEMOLITION OF ENCINA POWER STATION CONDITION OF CERTIFICATION, COM-6 SEPTEMBER 2022, FINAL MONTHLY COMPLIANCE REPORT**

Dear Dr. Ali:

Cabrillo Power I, LLC ("Project Owner") submits the September 2022 Monthly Compliance Report (MCR) which serves as the final MCR for Phase IV-Demolition of Encina Power Station. The final MCR is submitted in compliance with the AFC Docket No. 07-AFC-06C, Conditions of Certification (COCs) COM-6 for the Amended Carlsbad Energy Center Project (ACECP) located at 4600 Carlsbad Boulevard, Carlsbad, California.

The demolition contractor, Brandenburg, completed the demolition scope, and fully demobilized from the site on August 31, 2022. This final MCR includes: the final status of COCs required for compliance with AFC Docket No. 07-AFC-06C; the Biological Resources Mitigation Implementation and Monitoring Plan Phase IV – Demolition Termination Report; and Delegated Chief Building Official Close-Out report.

No additional MCRs will be submitted on behalf of Phase IV of the ACECP.

If you have any questions or comments, please do not hesitate to contact me at (760) 707-6833.

Sincerely,

A handwritten signature in blue ink, appearing to read "George L. Piantka". The signature is fluid and cursive, written over a light blue horizontal line.

George L. Piantka, PE  
Sr. Director, Regulatory Environmental Services  
NRG Energy, Inc.

Attached: Amended Carlsbad Energy Center Project (07-AFC-06C), California Energy Commission, Phase IV Final Monthly Compliance Report, September 2022

cc: File

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- Attachment N CIVIL-1, GEN-6, MECH-1: DCBO Plan Approvals and Mechanical Inspections
- Attachment O WORKER SAFETY-3: Construction Safety Supervisor Monthly Report
- Attachment P WORKER SAFETY-4: CBO Safety Monitor Inspection Monthly Report
- Attachment Q CIVIL-3 and STRUC-2: Non-Conformance Report Log
- Attachment R Notification of Completion: *Submitted on September 27, 2022*
- Attachment R DCBO Close-Out Report

## **I. Summary**

This final Monthly Compliance Report (MCR) focuses on the completion of Phase IV of the Amended Carlsbad Energy Center Project (i.e., demolition of Encina Power Station) as Phases I-III - pre-construction and construction/operations phases of ACECP and decommissioning of Encina Power Station - have been completed. MCRs documenting those phases of work can be found in Compliance Proceedings for the Carlsbad Energy Center Project (docket number 07-AFC-06C).

### **a. Demolition Status**

Phase III (decommissioning) activities began December 11, 2018 with the retirement of the Encina Power Station; decommissioning was completed by Cabrillo Power I LLC (owner of Encina Power Station) in December 2019. The Project Owner completed all compliance activities and COC submittals necessary to achieve Phase IV, Start of Demolition, in December 2019. Demolition preparation was conducted December 2019 through January 2020; abatement and demolition began on January 29, 2020. Demolition activities were temporarily suspended on March 20, 2020 due to the COVID-19 pandemic but resumed July 6, 2020.

The demolition contractor, Brandenburg, completed the demolition scope, and fully demobilized from the site on August 31, 2022. This final MCR includes: the final status of COCs required for compliance with AFC Docket No. 07-AFC-06C; the Biological Resources Mitigation Implementation and Monitoring Plan Phase IV – Demolition Termination Report; and Delegate Chief Building Official Close-Out report.

### **b. Revised/Updated Schedule**

The demolition contractor, Brandenburg, has completed the demolition scope, and fully demobilized from the site.

### **c. Explanation of Significant Permitting Activities and Changes to Schedule (as applicable)**

Neither significant permitting activities pertaining to Phase IV nor changes to schedule have occurred since the CEC's approval of

ACECP in 2015. The City of Carlsbad approved a 9-month extension to Phase IV via a City Resolution in December 2019, modifying completion of demolition to September 2022. The demolition contractor, Brandenburg, has completed the demolition scope, and fully demobilized from the site on August 31, 2022.

## **II. List of documents submitted to meet specific conditions**

- a. AQ-SC2: Air Quality Demolition Mitigation Plan
- b. AQ-SC3: Construction Fugitive Dust Control - Air Quality Compliance Monthly Report.
- c. AQ-SC4: Dust Plume Response Requirement - Air Quality Compliance Monthly Report.
- d. AQ-SC5: Diesel-Fueled Engine Control – Air Quality Compliance Monthly Report.
- e. GEN-1: CBO Notice
- f. NOISE-1: Community Mailer and Noise Complaint Hotline Number
- g. NOISE-3: Noise Control Program
- h. SOIL&WATER-2: Non-Potable Construction Water Use Plan
  - i. SOIL&WATER-2&6: Construction water usage summary.
- i. SOIL&WATER-4&9: SDRWQCB email dated 11/22/2019
- j. SOIL&WATER-9: Wastewater disposal summary and Water Board Correspondence
- k. TRANS-1: Demolition Traffic Control Plan
- l. TRANS-7: Demolition Parking and Staging Plan
- m. WASTE-5: Demolition Waste Management Plan
- n. WORKER SAFETY-1: Demolition Safety and Health Program
- o. WORKER SAFETY-3: Construction Safety Supervisor monthly report
- p. WORKER SAFETY-4: CBO Safety Monitor monthly report
- q. WASTE-6: Asbestos Notification Form to San Diego Air Pollution Control District - Email dated 6/29/2020 (5<sup>th</sup> Revision Notice)

**III. List of conditions satisfied during reporting period including reference to actions which satisfied certification**

Biological Resources: BIO-5, BIO-6, BIO-7, and BIO-8 – Biological Resources Compliance inspections and final termination report. See **Attachment D**.

NOISE-2/COM-11: Final noise hotline log and complaint resolution process. See **Attachment G**.

WORKER SAFETY-4: CBO Safety Monitor Inspection Monthly Report and Close-Out Report. See **Attachment P**.

Notice of Completion: Submitted to the CEC on September 27, 2022. See **Attachment R**.

**IV. List of submittal deadlines missed during reporting period including explanation and estimate of when information will be provided**

None

**V. Cumulative list of approved changes to conditions of certification**

The California Energy Commission approved changes to the COCs on August 3, 2015. No additional changes occurred during Phase IV- Demolition of Encina Power Station.

**VI. List of any filings with, or permits issued by, other governmental agencies during the month**

None

**VII. Project compliance activities over next two months including changes to schedule**

The Project Owner will make no additional compliance filings.

### **VIII. Additions to on-site compliance file**

Files are maintained onsite.

### **IX. List of complaints, notices of violation, official warnings, citations received during month, description of resolutions of any resolved complaints and status of any unresolved complaints**

No violations, official warnings, or citations related to the demolition of the Encina Power Station were received in September 2022. A final summary table of calls and complaints logged and responded to are included, as applicable, in **Attachment G**.

**ATTACHMENT A**

**COMPLIANCE-5 AND COMPLIANCE-6  
KEY EVENTS AND COMPLIANCE MATRIX  
SEPTEMBER 2022**

***Project has been completed. No Compliance Matrix is provided.***

**ATTACHMENT B**

**COMPLIANCE-6**  
**PROJECT SCHEDULE**  
**SEPTEMBER 2022**

***Project has been completed. No Project Schedule is provided.***

**ATTACHMENT C**

**AQ-SC3  
AIR QUALITY CONSTRUCTION  
COMPLIANCE SUMMARY  
SEPTEMBER 2022**

***The final Air Quality Construction Compliance Summary Report was submitted with the August 2022 MCR.***

**ATTACHMENT D**

**BIO-6  
PHASE IV BIOLOGICAL RESOURCES  
MITIGATION IMPLEMENTATION and MONITORING PLAN  
DEMOLITION TERMINATION REPORT  
SEPTEMBER 2022**

Cabrillo Power I LLC

**Biological Resources Mitigation  
Implementation and Monitoring  
Plan (07-AFC-06C) Phase IV -  
Demolition Termination Report**

September 2022

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**APPENDIX A - BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG**

*APPENDIX B - OBSERVED WILDLIFE SPECIES LIST*

NRG Energy LLC (Project Owner) has prepared this Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP) Demolition Termination Report for the Encina Power Station (EPS or Project) in San Diego County, California. This BRMIMP Demolition Termination Report was prepared in adherence with the California Energy Commission (CEC) Conditions of Certification (COC) BIO-6. As part of BIO-6 Verification, a Demolition Termination Report must be provided to the CEC Compliance Project Manager (CPM) identifying which items of the BRMIMP have been completed; a summary of all modifications to mitigation measures made during the project's site mobilization, ground disturbance, grading, and demolition phases; and which mitigation and monitoring items are still outstanding. Designated Biologist duties will continue through operation and closure activities per associated COCs.

Demolition mobilization began November 2019, and the start of demolition began on January 29, 2020. Demolition demobilization was completed in August 2022.

### *1.1 CONDITIONS OF CERTIFICATION*

A list of the Biological Resource COCs associated with the EPS is included below. All demolition-related duties and requirements have been fulfilled.

- BIO-1 Designated Biologist Selection
- BIO-2 Designated Biologist Duties
- BIO-3 Biological Monitor Qualifications
- BIO-4 Designated Biologist and Biological Monitor Authority
- BIO-5 Worker Environmental Awareness Program (WEAP)
- BIO-6 Biological Resources Mitigation Implementation and Monitoring Plan
- BIO-7 Impact Avoidance Mitigation Features
- BIO-8 Mitigation Management to Avoid Harassment or Harm

## **2.0 PROJECT LOCATION**

The EPS site was located in Carlsbad, San Diego County, California. The site address is 4600 Carlsbad Boulevard, Carlsbad, California 92008. Elevation of the EPS site varied between approximately 10 and 41 feet above mean sea level (msl). The EPS site was bordered to the east by the San Diego Gas & Electric (SDG&E) switchyard and Cannon Substation, to the west by the Pacific Ocean, and to the north by the Agua Hedionda Lagoon. The project site is bisected by the North County Transit District (NCTD) Railroad Right-Of-Way that runs north and south through the Encina Power Station (EPS). The predominant land use in the vicinity of the site is mainly industrial. Residential, commercial, and open space land uses are also situated nearby.

The nearest significant natural habitat areas are the Pacific Ocean, approximately 340 feet west of the EPS site. Agua Hedionda Lagoon is located immediately north of the EPS site.

## **2.1 PROJECT DESCRIPTION**

The demolition of the EPS facility was Phase IV of the licensed Amended Carlsbad Energy Center Project (CECP). Phase IV specifically excluded below grade demolition and site remediation, which will be accomplished under the authority of San Diego County Environmental Health Department (site remediation) and the City of Carlsbad (redevelopment of the site for future use) subsequent to the completion of Phase IV.

## **2.3 BRMIMP OVERVIEW**

A BRMIMP was submitted in August 2014 (revised June 2015) for CECP Phase I demolition/removal activities for Tanks 5, 6, and 7, in support of the relevant COCs adopted by the CEC in its June 2012 Final Commission Decision (07-AFC-06C). After CEC CPM approval in December 2014, compliance measures, as prescribed in the approved BRMIMP, were monitored at the site, and reported on in monthly compliance reports (MCR) submitted to the CEC CPM for EPS demolition.

### **3.0 COMPLETED BRMIMP ITEMS.**

The following sections will identify which items of Amended CECP BRMIMP have been completed.

#### **3.1 BIO-1 DESIGNATED BIOLOGIST SELECTION**

The Project Owner has assigned Melissa Fowler as the Designated Biologist for the Phase IV of the Amended CECP. The CEC CPM has approved Ms. Fowler to serve as the Designated Biologist. As required, Ms. Fowler met the following minimum qualifications:

- A bachelor's degree in biological sciences, zoology, botany, ecology, or a closely related field;
- Three years of experience in field biology or current certification of a nationally recognized biological society such as the Ecological Society of America or The Wildlife Society; and
- At least one year of field experience with biological resources found in or near the project area.

No site or related facility activities commenced prior to CEC CPM approval of the Designated Biologist and pre-demolition surveys were conducted prior to site mobilization and demolition-related activities for Phase IV of the Amended CECP.

#### **3.2 BIO-2 DESIGNATED BIOLOGIST DUTIES**

The Project Owner ensured that the Designated Biologist preformed the following during each site (or related facilities) mobilization, ground disturbance, grading, and demolition activities. The Designated Biologist was assisted by CEC-approved Biological Monitors but remained the contact for the Project Owner and CPM. The Designated Biologist's responsibilities were to:

- Advise the Project Owner's demolition and operation managers on the implementation of the Biological Resources COCs.
- Consult on the preparation of the Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP) submitted by the Project Owner.
- Be available to supervise, conduct, and coordinate mitigation, monitoring, and other biological resource compliance efforts, particularly in areas requiring avoidance or containing sensitive

biological resources, such as wetlands and special-status species or their habitat.

- Clearly mark sensitive biological resource areas and inspect these areas at appropriate intervals for compliance with regulatory terms and conditions.
- Periodically inspect areas with high vehicle activity (i.e., parking lots) for animals in harm's way.
- Site personnel also inspected work areas prior to the start of shift each workday.
- The Designated Biologist and/or Biological Monitor would periodically inspect areas with high vehicle activity.
- Notify the Project Owner and the CPM of any non-compliance with any Biological Resources Condition of Certification.
- Respond directly to inquiries of the CPM regarding biological resources.
- Maintain written records of the tasks specified above and those included in the BRMIMP. Summaries of these records shall be submitted in the monthly compliance report.
- Train the Biological Monitors as appropriate, and ensure their familiarity with BRMIMP, Worker Environmental Awareness Program (WEAP) training, and all permits.
- The Designated Biologist submitted in the MCRs to the CPM, which included copies of all written reports and summaries that document biological resources activities.

### ***3.3 BIO-3 BIOLOGICAL MONITOR QUALIFICATIONS***

The Designated Biologist reviewed and trained all CEC-approved Biological Monitors. Biological Monitors submitted resumes, with at least three references and contact information to the CPM for approval. The resumes demonstrated appropriate education and experience to accomplish the assigned biological resource tasks. The Designated Biologist trained Biological Monitors with a site orientation, which included a review of the COCs, BRMIMP, WEAP, and all permits.

### ***3.4 BIO-4 DESIGNATED BIOLOGIST AND BIOLOGICAL MONITOR AUTHORITY***

The Project Owner's demolition managers acted on the advice of the Designated Biologist and Biological Monitors, which ensured compliance with the COCs. The Designated Biologist and Biological Monitors had the following responsibilities during Phase IV Amended CECP site mobilization, ground disturbance, grading, demolition activities:

1. Require a halt to all activities in any area when determined that there would be an unauthorized adverse impact to biological resources if the activities continued.
  - a. The Designated Biologist and/or Biological Monitors would establish no-disturbance buffers around avian nests for species protected under the federal Migratory Bird Treaty Act (MBTA) and California Fish and Game Codes. The buffers would remain in place until the nest successfully fledged, was abandoned, or failed.
  - b. All site personnel and contractors received WEAP training, which instructed individuals on what actions to take if they had encountered a nest.
  - c. Aside of no-disturbance buffers for nesting birds, no additional exclusion zones were established for biological resources.
2. Inform the Project Owner and the demolition managers when to resume activities.
  - a. After the nest would successfully fledge, was abandoned, and/or failed, the no-disturbance buffers were removed. All activities associated with no-disturbance buffers was documented in the MCRs and submitted to the CEC CPM.
3. Notify the CPM if there is a halt of any activities and advise the CPM of any corrective actions that have been taken, or will be instituted, as a result of the work stoppage.
  - a. Excluding no-disturbance buffers for nesting birds, no additional work stoppages were issued or required for protection of biological resources.

### ***3.4.1 Non-Compliance Notifications***

No Non-Compliance Notifications were issued to the CEC CPM during Phase IV Amended CECP activities. Therefore, no additional corrective measures were required.

### **3.5 BIO-5 WORKER ENVIRONMENTAL AWARENESS TRAINING**

As required by BIO-5, the Project Owner developed and implemented a CPM-approved WEAP in which each of Project Owner's employees, as well as employees of contractors and subcontractors who worked on the project site or in any related facilities during site mobilization, ground disturbance, grading, and demolition were informed about the biological resources potentially associated with the Project.

#### **3.5.1 Program Overview**

Consistent with the CEC's requirements set forth in BIO-5, the WEAP:

- Was developed by the Designated Biologist and consisted of an on-site presentation. Supporting written material and electronic media were made available to all participants.
- Discussed the locations and types of sensitive biological resources on the project site and adjacent areas.
- Presented the reasons for protecting these resources.
- Presented the meaning of various temporary and permanent habitat protection measures.
- Identified whom to contact if there are further comments and questions about the material discussed in the program; and
- Included a training acknowledgment form signed by each worker indicating that he/she received training and shall abide by the guidelines.

A copy of the WEAP was previously submitted to the CEC CPM.

#### **3.5.2 WEAP Training Documentation**

The Project Owner prepared and submitted the WEAP for Phase I in August 2014. The WEAP was applicable, and no changes were made to the Amended CECP. All supporting written materials and script for electronic media (video or DVD) were prepared and reviewed by the Designated Biologist. The Project Owner provided in the MCRs the number of people who have completed the training in the prior month and a total of all who had completed the training to date. The Project Owner submitted two copies of the CPM-approved training materials and electronic media to the CPM. The signed training acknowledgement forms from demolition will be kept on file by the Project Owner for at least 6 months after the start of commercial operation.

### **3.6 BIO-6 BIOLOGICAL RESOURCES MITIGATION AND MONITORING PLAN**

The Project Owner submitted two copies of the BRMIMP to the CPM (for review and approval) and to CDFW and USFWS (for review and comment) and implemented the measures identified in the approved BRMIMP. The BRMIMP was submitted in August 2014 (revised June 2015) for CECP Phase I demolition/removal activities for Tanks 5, 6, and 7, in support of the relevant COCs adopted by the CEC in its June 2012 Final Commission Decision (07-AFC-06C). After CEC Compliance Project Manager (CPM) approval in December 2014, compliance measures, as prescribed in the approved BRMIMP, were monitored at the EPS site, and reported on in MCRs, which were submitted to the CEC CPM.

The BRMIMP was prepared in consultation with the Designated Biologist and identified:

1. All biological resource mitigation, monitoring, and compliance measures proposed and agreed to by the Project Owner.
2. All Project Owner -proposed mitigation measures presented in the Application for Certification.
3. All biological resource COCs in the Final Commission Decision to avoid or mitigate impacts.
4. All biological resource mitigation, monitoring and compliance measures required in other state agency terms and conditions, such as those provided in the Regional Water Quality Control Board permits.
5. All Biological Resource mitigation, monitoring, and compliance measures required in local agency permits, such as site grading and landscaping requirements.
6. All sensitive biological resources to be impacted, avoided, or mitigated by project demolition, operation, and closure.
7. All required mitigation measures for each sensitive biological resource.
8. A detailed description of measures that were taken to avoid or mitigate temporary disturbances from demolition activities.

9. All locations on a map, at an approved scale, of sensitive biological resource areas subject to disturbance and areas that required temporary protection and avoidance during demolition.
10. Duration for each type of monitoring and a description of monitoring methodologies and frequency.
11. Performance standards to be used to help decide if/when proposed mitigation is or is not successful.
12. All performance standards and remedial measures to be implemented if performance standards are not met.
13. A preliminary discussion of biological resources-related facility closure measures.
14. A process for proposing plan modifications to the CPM and appropriate agencies for review and approval.

No additional revisions to the BRMIMP were made during Phase IV of the Amended CECP.

### ***3.7 BIO-7 IMPACT AVOIDANCE MITIGATION MEASURES***

The following impact avoidance mitigation measures were implemented by the Project Owner:

1. All transmission line poles, access roads, structures, and storage and parking areas were surveyed and monitored to avoid identified sensitive resources during demolition.
  - a. Although special-status plant and wildlife species and sensitive vegetation communities are known to occur within the vicinity of the EPS site, they are generally restricted to the estuarine and open water habitats associated with the Agua Hedionda Lagoon, Pacific Ocean, and the surrounding natural habitats.
  - b. The EPS site is characterized by a combination of developed areas, disturbed habitat, and ornamental landscaping.
  - c. Special-status wildlife species were observed within and in the vicinity of the EPS site during biological monitoring events. During Phase IV, an American peregrine falcon

(*Falco peregrinus anatum*; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) nest was located on the east side of the EPS building and the nest successfully fledged.

- d. One great blue heron (*Ardea herodias*; California Department of Forestry [CDF] Sensitive [S]) nest was found near the demolition trailers. The nest was predated. In addition, all avian nests were protected within no-disturbance buffers for species protected under the MBTA and California Fish and Wildlife Codes. Documentation was submitted in the MCRs.
2. Pre-demolition surveys, biological monitoring events, and clearance surveys were conducted for the EPS and the documentation was submitted to the CEC CPM.

### **3.8 BIO-8 MITIGATION MANAGEMENT TO AVOID HARASSMENT OR HARM**

The Project Owner implemented the following measures to manage the demolition site (and related facilities) in a manner to avoid or minimize impacts to local biological resources:

1. Installed temporary fencing or exclusion barriers in compliance with the BRMIMP.
2. Ensured that all food-related trash was disposed of in closed containers and removed at least once a week.
3. The feeding of wildlife by staff and subcontractors was prohibited.
4. Non-security-related firearms or weapons on site were prohibited.
5. Pets were prohibited on site.
6. It was not feasible to avoid work between March 1 and August 15 to avoid impacts to birds protected under the Migratory Bird Treaty Act. Daily, weekly, and on-call monitoring were conducted for nesting birds within the EPS site during the nesting season. The frequency of monitoring was depended on the avian species being observed.

- a. If an active nest was discovered, the Designated Biologist or Biological Monitors established an appropriate buffer zone in coordination with the demolition contractor (in which demolition activities were not allowed) to avoid disturbance in the vicinity of the nest.
  - b. Demolition activities did not commence until the Designated Biologist or Biological Monitors determined that the nestlings have fledged or that demolition activities would no longer affect adults or newly fledged young.
7. All inadvertent deaths of sensitive species were reported to the Designated Biologist and/or Biological Monitor, who notified CDFW or USFWS, as appropriate.
    - a. Two deceased California brown pelicans (*Pelecanus occidentalis californicus*; CDFW FP) were observed in the EPS parking lot. The deaths were not project-related but were reported to CDFW and included in an MCR.

Pre-demolition surveys, biological monitoring, vegetation clearance surveys, and on-call monitoring was conducted for the EPS. All documentation was submitted to the CEC CPM.

#### **4.0 MODIFICATION TO MITIGATION MEASURES**

The COCs were adhered to during Phase IV of the Amended CECP. All biological compliance monitoring was documented in the MCRs and submitted to CEC CPM. No modifications were required.

#### **5.0 OUTSTANDING MITIGATION AND MONITORING ITEMS**

There are no outstanding demolition-related mitigation and monitoring items that remain at the EPS. For the purposes of this *Demolition Termination Report*, those duties and requirements are considered fulfilled. Final site photographs are included in Appendix A. An observed species list during the final site inspection are included in Appendix B.

## **6.0 REFERENCES**

California Department of Fish and Wildlife (CDFW). California Natural Diversity Database (CNDDB). June 2022. Special Animals List. Periodic publication. 138 pp.

California Energy Commission (CEC). 2015. Presiding Member's Proposed Decision on the Carlsbad Energy Center Project dated June 2015. Docket Number 07-AFC-06.

Carlsbad Energy Center, LLC. 2007. Application for Certification for Carlsbad Energy Center Project. Submitted to the California Energy Commission on September 11, 2007.

*Appendix A*  
*Biological Resources Compliance Monitoring Log*

## NRG Energy Encina Power Station (EPS) Project

### BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

| Date   |              | Monitor        |                             |                         | Time (Begin-End) |  |
|--|--------------|----------------|-----------------------------|-------------------------|------------------|--|
| August 22, 2022  |              | Melissa Fowler |                             |                         | 10:20-12:00      |  |
| Temperature (°F)   | Humidity (%) | Wind (mph)     | Precipitation (Y/N, amount) | Visibility              | Weather Comment  |  |
| 72   | 76           | 5              | N                           | Good visibility (10 mi) | 100% cloud cover |  |
| <b>Location(s) of Work Site Activities Monitored</b>   |              |                |                             |                         |                  |  |
| NRG EPS site.  |              |                |                             |                         |                  |  |
| <b>Summary of Biological Resources Monitoring Observations</b>   |              |                |                             |                         |                  |  |
| Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.   |              |                |                             |                         |                  |  |
| <b>Nesting Bird Observations:</b>  |              |                |                             |                         |                  |  |
| <ul style="list-style-type: none"> <li>• No observations were noted.</li> </ul>  |              |                |                             |                         |                  |  |
| <b>Special-Status Species Observed:</b>  |              |                |                             |                         |                  |  |
| <ul style="list-style-type: none"> <li>• California brown pelicans (<i>Pelecanus occidentalis californicus</i>; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]) were observed within the project vicinity.</li> <li>• Double-crested cormorants (<i>Nannopterum auritum</i>; CDFW Watch List [WL]) were observed within the project vicinity.</li> <li>• A great blue heron (<i>Ardea herodias</i>; California Department of Forestry [CDF] Sensitive [S]) was observed within the project vicinity.</li> <li>• No additional special-status species were observed.</li> </ul>   |              |                |                             |                         |                  |  |
| <b>Other Biological Resources Observations:</b>  |              |                |                             |                         |                  |  |
| <ul style="list-style-type: none"> <li>• Coyote (<i>Canis latrans</i>) and raccoon (<i>Procyon lotor</i>) tracks were observed.</li> <li>• No additional observations were noted.</li> </ul>   |              |                |                             |                         |                  |  |
| <b>Other Observations/Comments:</b>  |              |                |                             |                         |                  |  |
| <ul style="list-style-type: none"> <li>• Litter was observed within the EPS site. A request was submitted to the contractor to conduct litter removal.</li> <li>• No additional observations were noted.</li> </ul>  |              |                |                             |                         |                  |  |
| <b>Items Requiring Action/Follow-up</b>  |              |                |                             |                         |                  |  |
| <ul style="list-style-type: none"> <li>• A request was submitted to the contractor to conduct litter removal.</li> </ul>   |              |                |                             |                         |                  |  |
| <b>Wildlife Species Observed</b>   |              |                |                             |                         |                  |  |
| Allen's hummingbird ( <i>Selasphorus sasin</i> ), American crow ( <i>Corvus brachyrhynchos</i> ), Anna's hummingbird ( <i>Calypte anna</i> ), California brown pelican, double-crested cormorant, European starling ( <i>Sturnus vulgaris</i> ), great blue heron, house finch ( <i>Haemorhous mexicanus</i> ), lesser goldfinch ( <i>Spinus psaltria</i> ), marsh wren ( <i>Cistothorus palustris</i> ), mourning dove ( <i>Zenaidura macroura</i> ), red-tailed hawk ( <i>Buteo jamaicensis</i> ), side-blotched lizard ( <i>Uta stansburiana</i> ), song sparrow ( <i>Melospiza melodia</i> ), western fence lizard ( <i>Sceloporus occidentalis</i> ), and western gull ( <i>Larus occidentalis</i> ). |              |                |                             |                         |                  |  |

**Photo 1**



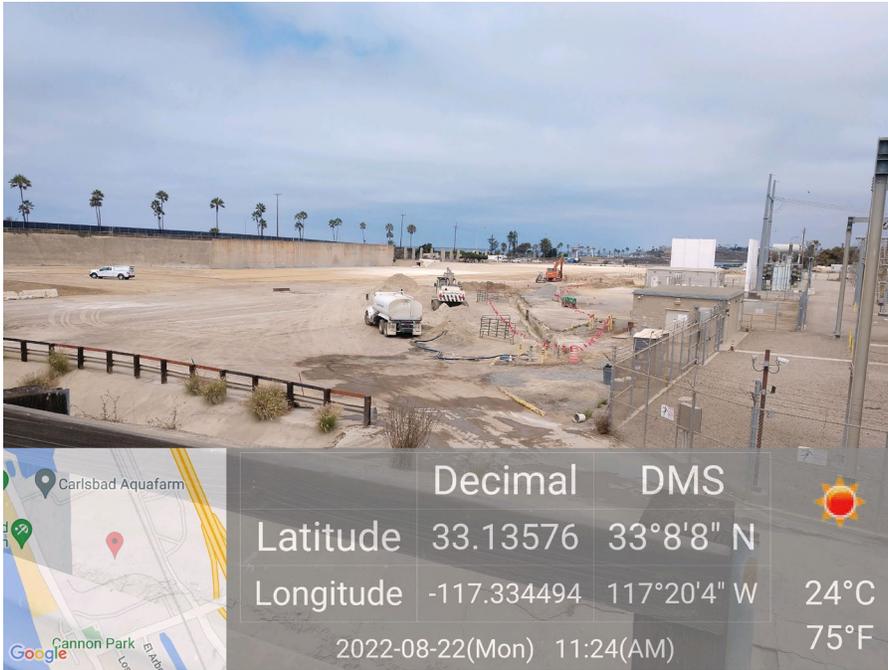
|                 |          |                    |                              |
|-----------------|----------|--------------------|------------------------------|
| <b>Location</b> | EPS site | <b>Description</b> | Overview of demolition site. |
|-----------------|----------|--------------------|------------------------------|

**Photo 2**



|                 |          |                    |  |
|-----------------|----------|--------------------|--|
| <b>Location</b> | EPS site | <b>Description</b> | Overview of the northern staging area. |
|-----------------|----------|--------------------|--|

Photo 3



|                 |          |                    |                                    |
|-----------------|----------|--------------------|------------------------------------|
| <b>Location</b> | EPS site | <b>Description</b> | Overview of demolition activities. |
|-----------------|----------|--------------------|------------------------------------|

Photo 4



|                 |          |                    |   |
|-----------------|----------|--------------------|---|
| <b>Location</b> | EPS site | <b>Description</b> | Litter was observed near the haul road. |
|-----------------|----------|--------------------|---|

*Appendix B*  
*Observed Wildlife Species List*

**Observed Wildlife Species List September 2022  
Encina Power Station**

| Common Name              | Scientific Name                            | Status<br>Federal/State/Other |
|--------------------------|--|-------------------------------|
| <b>Birds</b>             |  |                               |
| Allen's hummingbird      | <i>Selasphorus sasin</i>                   | --/--/--                      |
| American crow            | <i>Corvus brachyrhynchos</i>               | --/--/--                      |
| Anna's hummingbird       | <i>Calypte anna</i>                        | --/--/--                      |
| California brown pelican | <i>Pelecanus occidentalis californicus</i> | --/FP/--                      |
| Double-crested cormorant | <i>Nannopterum auratus</i>                 | --/WL/--                      |
| European starling        | <i>Sturnus vulgaris</i>                    | --/--/--                      |
| Great blue heron         | <i>Ardea herodias</i>                      | --/--/CDF: S                  |
| House finch              | <i>Haemorhous mexicanus</i>                | --/--/--                      |
| Lesser goldfinch         | <i>Spinus psaltria</i>                     | --/--/--                      |
| Mourning dove            | <i>Zenaida macroura</i>                    | --/--/--                      |
| Osprey                   | <i>Pandion haliaetus</i>                   | --/WL/CDF: S                  |
| Red-tailed hawk          | <i>Buteo jamaicensis</i>                   | --/--/--                      |
| Song sparrow             | <i>Melospiza melodia</i>                   | --/--/--                      |
| Western gull             | <i>Larus occidentalis</i>                  | --/--/--                      |
| <b>Mammals</b>           |  |                               |
| Coyote (tracks and scat) | <i>Canis latrans</i>                       | --/--/--                      |
| Raccoon (tracks)         | <i>Procyon lotor</i>                       | --/--/--                      |
| <b>Reptiles</b>          |  |                               |
| Side-blotched lizard     | <i>Uta stansburiana</i>                    | --/--/--                      |
| Western fence lizard     | <i>Sceloporus occidentalis</i>             | --/--/--                      |

**Source:**

California Department of Fish and Wildlife (CDFW), Natural Diversity Database. January 2022. Special Animals List. Periodic publication. 121 pp.

**Status Codes:**

If status codes are not provided, it indicates that the observed species is not a special-status species.

**Federal:**

FE = Federally listed Endangered: species in danger of extinction throughout a significant portion of its range

FT = Federally listed Threatened: species likely to become endangered within the foreseeable future

BCC = Birds of Conservation Concern

**State:**

SE = State listed as Endangered

ST = State listed as Threatened

FP = Fully Protected

CSC = California Species of Special Concern Species of concern to California Department of Fish and Wildlife (CDFW) because of declining population levels, limited ranges, and/or continuing threats have made them vulnerable to extinction.

S = Sensitive

WL = Watch List

SP = Special Animals List

**Other:**

- California Department of Forestry and Fire Protection (CDF) classifies "sensitive species" as those species that warrant special protection during timber operations.

- North American Bird Conservation Initiative (NABCI) - Red Watch List (RWL)

- United States Forest Service (USFS) - Sensitive (S)

**ATTACHMENT E**

**CUL-5 AND PAL-5  
CERTIFICATION OF COMPLETION,  
WORKER ENVIRONMENTAL AWARENESS PROGRAM,  
SEPTEMBER 2022**

***Project has been completed. No Project Training is required.***

**ATTACHMENT F**

**CUL-6/PAL-6  
PALEONTOLOGICAL RESOURCE MONITORING  
SEPTEMBER 2022**

***Project has been completed. No Project Monitoring is required.***

**ATTACHMENT G**

**NOISE-2/COM-11  
FINAL SUMMARY TABLE OF NOISE HOTLINE CALLS  
AND PROJECT RELATED COMPLAINTS  
SEPTEMBER 2022**

***There were no noise or project related complaints for demolition of  
Encina Power Station in September 2022***

**Encina Power Station Demolition  
Noise Hotline Calls  
September 2019 through September 2022**

| <b>Date</b> | <b>Time</b> | <b>Log Number</b> | <b>Caller</b>  | <b>Issue</b>   | <b>Returned Call / Resolution</b>   | <b>Corrective Action Completion Date</b>       |
|-------------|-------------|-------------------|--|--|---|--|
| 10/2/2020   | 10:48 AM    | 10022020-1        | Michelle Peters - Poseidon - email   | Carlsbad Desalination Plant inquired about visible emissions during demolition/equipment cutting activities.   | Cabrillo Power I LLC responded on 10/2/2020 via email and have continued communications with Poseidon/Carlsbad Desalination Plant. Measures to reduce visible emissions and monitoring (personal and visible emissions estimator) have been implemented and continue to be evaluated.   | 10/14/2020 - Issue resolved                    |
| 10/13/2020  | 6:43 PM     | 10132020-1        | Mr. Halpin - Hotline Call  | Community member walking along the western perimeter of Encina, along Carlsbad Blvd, called with concerns about smelling fumes from the demolition activities.   | Caller was contacted and the odor issue was discussed. Odor was related to demolition activities associated with cutting the generators. Additional industrial fans have been placed within the power block building during these cutting activities.   | 10/14/2020 - Issue resolved                    |
| 10/28/2020  | Unk         | 10282020-2        | California OSHA - Letter dated October 22, 2020 and received on October 28, 2020 | Letter from CA OSHA regarding anonymous complaint that demolition project was in violation of five (5) separate California Title 8 Code of Regulations.  | Cabrillo Power I LLC provided a written response to CA OSHA on November 6, 2020, which individually addressed and provided evidence to support compliance with each of the five (5) California Title 8 Code of Regulations which were alleged to be non-compliant.  | 11/6/2020 - Issue resolved                     |
| 11/5/2020   | 2:38 PM     | 11052020-2        | Tina Carter- SDG&E - Called Cabrillo directly                                    | Mrs. Tina Carter, an employee of SDG&E contacted Encina Power Station directly regarding a complaint she received from an SDG&E Storeroom employee at the Cannon Road SDG&E service center. The storeroom employee was concerned with the air quality of the air he was breathing as he observed smoke emanating from the Encina Power Station powerblock. | In response to the complaint, SDG&E was contacted and informed the work had been discontinued for the remainder of the day. NRG's Air Quality Compliance Manager for the demolition project suspended cutting/torching activities, known as "shotgunning" that use the larger diameter cutting rods, due to the current ambient weather conditions. Mitigation measures were implemented with numerous fans and short duration cutting periods, but may not have been sufficient due the changing ambient weather conditions. A Visible Emissions Evaluator (VEE) was also monitoring and visible emissions were not observed that exceed SDAPCD Rule 50 or criteria in AQ-SC3 or AQ-SC4. | Phone call - 11/05/2020 @2:51PM Issue resolved |

**Encina Power Station Demolition  
Noise Hotline Calls  
September 2019 through September 2022**

| Date       | Time    | Log Number | Caller   | Issue  | Returned Call / Resolution  | Corrective Action Completion Date   |
|------------|---------|------------|--|--|---|---|
| 11/6/2020  | 1:06PM  | 11062020-3 | Michelle Peters - Poseidon - email               | Mrs. Michelle Peters an employee of Poseidon's Desalination Facility emailed Encina Power Station regarding a complaint she received from Poseidon contracted employees regarding concerns related to air quality and a "metallic" odor in the air as a result of smoke emanating from the Encina Power Station powerblock during demolition activities entailing equipment cutting.   | In response to the complaint, NRG's Air Quality Compliance Manager responded to Mrs. Peters and explained that the cutting process has been completed, and will not recommence until January 2021. Personal monitoring has been conducted inside the turbine hall and outside during these activities. Area monitoring has been conducted at monitoring stations near Encina gates 2 and 3. Personal and area monitoring stations within the building have recorded data that have been below CA OSHA permissible exposure limits (PELs) for dust and the several monitored metals, including lead, arsenic, and cadmium. Mitigation measures were implemented with numerous fans and short duration cutting periods, but may not have been sufficient due to the direction of the wind. A Visible Emissions Evaluator (VEE) was also monitoring and visible emissions were not observed that exceed SDAPCD Rule 50 or criteria in AQ-SC3 or AQ-SC4   | Initial Email response on 11/10/2020<br>- Final email response on 12/4/2020 -<br>Issue Resolved |
| 11/24/2020 | 12:00PM | 11242020-5 | Kristin Hamon - SDG&E- Emailed Cabrillo directly | Mrs. Kristin Hamon, an employee of SDG&E contacted Encina Power Station via email regarding a complaint she received from an SDG&E employee at the Cannon Road SDG&E service center. The employee was concerned with the air quality and when the activities causing the air quality concerns would cease. The question of what Prop 65 exposures to SDG&E employees were occurring at or around the property lines was asked. | The emissions that the SDG&E employee noted were from typical torch cutting of equipment in the basement. The cutting had been conducted during the morning and was completed by the early afternoon. There was a 10-15 mph southwest wind that was present during the cutting which would have moved any emissions away from the SDG&E Cannon Service Center. In response to the complaint, NRG's Air Quality Compliance Manager for the demolition project confirmed that mitigation measures were implemented with numerous fans operating. No visible emissions were observed leaving the Encina power block according to site personnel contacted after the complaint. SDG&E was contacted and informed the work had been discontinued for the remainder of the day, and would not resume again until after the Thanksgiving Holiday period. SDG&E was also informed that prior results from similar activities have indicated results below PELs for Prop 65 listed metals (arsenic, cadmium, chromium and lead). | Email response on 11/24/2020<br>- Issue resolved  |

**Encina Power Station Demolition  
Noise Hotline Calls  
September 2019 through September 2022**

| Date       | Time    | Log Number | Caller   | Issue  | Returned Call / Resolution  | Corrective Action Completion Date  |
|------------|---------|------------|--|--|---|--|
| 11/30/2020 | 2:41PM  | N/A        | Terry Cook   | Ms. Cook's father was one of the first operators at Encina Power Station. She heard that she may be able to get a piece of the demolition material. She asked if she could have a piece of the demolition material? Would like a call back.  | Ms. Cook was contacted and informed that no decisions regarding these types of special requests have been considered yet. The project committed to staying in touch, and communicated that the project will be in a better position during the Summer of 2021 to consider these requests more fully.  | Email and phone response on 12/04/2020<br>-<br>Issue Resolved in 2022            |
| 1/7/2021   | 11:37PM | 01072021-7 | Kerry Siekmann - Terramar Community Member                           | Ms. Siekmann contacted the Carlsbad Energy Center Noise Hotline at 11:37PM rather than the Encina Demolition Hotline to indicate that the FAA lights on the Stack/Chimney were not on/illuminated. She expressed a safety concern for aircraft that would rely on the stack lights. Heavy fog was present during Ms. Siekman observations.   | Encina Power Station confirmed by inspection of security camera footage at 11:38 PM and 11:43 PM from Carlsbad Energy Center that the FAA stack lights were orking/illuminated. Ms. Siekmann was texted at 11:57 PM that the lights were confirmed to be on/working. Ms. Siekmann responded on January 8 at 9:11 AM that the lights were not visible. Following Ms. Siekmann's text, the lights were again confirmed to be working. | Text response on 01/07/2021<br>-<br>Issue resolved                               |
| 1/19/2021  | 4:00PM  | 01192021-6 | SDAPCD Inspector - Jason LaBlond on behalf of local community member | On January 26, 2021 the San Diego Air Pollution Control District (SDAPCD) notified Encina that a jogger running on Carlsbad Boulevard between 10:00 and 10:30PM on the night of January 19, 2021 complained of an odor and burning eyes. The project's demolition contractor was cutting the Unit 3 stator with a smaller propane/oxygen torch within the powerbock building. Santa Ana-type winds (offshore winds from east to west toward Carlsbad Blvd) were apparent according to NRG personnel who were onsite observing the work and wind direction. Industrial fans were used during torch cutting of the stator to help dissipate potential odors. Cutting was also done intermittently to minimize potential for accumulation of odors or visible emissions. This specific cutting work was conducted from January 19-26, 2021, and no other complaints were reported during this period. This cutting work has been completed. | The SDAPCD inspector was contacted and the work that was being performed was described. The inspector understood the type of activity that was taking place, and had no other questions.  | Verbal communication with the SDAPCD inspector 01/27/2021<br>-<br>Issue resolved |

**Encina Power Station Demolition  
Noise Hotline Calls  
September 2019 through September 2022**

| Date     | Time   | Log Number | Caller   | Issue  | Returned Call / Resolution   | Corrective Action Completion Date   |
|----------|--------|------------|--|--|--|---|
| 6/3/2022 | 2:59PM | 06022022-8 | Kerry Siekmann -<br>Terramar Community<br>Member | A formal complaint was issued by Ms. Siekmann to the California Energy Commission (CEC), San Diego Air Pollution Control District (SDAPCD), and Project Owner on June 3, 2022 regarding the demolition of the Unit 4 boiler and steel structure on May 10, 2022. The local resident had observed a video of the Unit 4 demolition which had been posted to social media (Instagram, YouTube, Twitter). The resident alleged the video demonstrated (1) the Unit 4 Boiler was in violation of California Energy Commission (CEC) License air quality Condition of Certification (COC) AQ-SC13 which prevents the felling of demolition of concrete and/or masonry structures, and (2) the visible emissions generated from the demolition left the property boundaries. | SDAPCD inspector conducted an on-site inspection and reviewed the demolition video on June 6, 2022, orally noted that there was no observed non-compliance issues associated with visible dust emissions in the referenced video. SDAPCD's Supervising Air Quality Inspector responded to the Ms. Siekmann's complaint via email on June 9, 2022, communicating that from his review, the project appeared to have followed visible dust emissions requirements and all other related SDAPCD rules and regulations. The onsite Alternate Air Quality Construction Mitigation Manager observed the demolition and noted the visible emissions did not leave the property boundaries. The CEC also requested a response from the Project Owner regarding the alleged violations. The Project Owner submitted responses to the CEC which negated Ms. Siekmann's complaint and is confident that all CEC and SDAPCD rules and regulations were adhered to. | Written<br>communication with<br>the CEC<br>06/27/2022<br>-<br>Issue resolved |

**ATTACHMENT H**

**TRANS-5  
ROADWAY INSPECTION  
SEPTEMBER 2022**

***Project has been completed. There was no heavy construction-  
equipment traffic in September 2022***

**ATTACHMENT I**

**TRANS-6  
TRANSPORTATION PERMITS  
SEPTEMBER 2022**

***Project has been completed. There were no transportation permits  
required in September 2022***

**ATTACHMENT J  
TRANS-8  
TRAFFIC ENCROACHMENT PERMITS  
SEPTEMBER 2022**

***Project has been completed. No traffic encroachment permits were obtained in September 2022***

**ATTACHMENT K**

**SOIL&WATER-2  
CONSTRUCTION WATER USAGE SUMMARY**

**SOIL&WATER-9  
WASTEWATER SUMMARY & WATER BOARD CORRESPONDENCE**

**SOIL&WATER-2**  
**Amended Carlsbad Energy Center Project**  
**07-AFC-06C**

Final Water use Summary-

Phase IV Demolition (Started December 2019)

Potable Water Used\*: 817,969 gallons

Reclaim Water Used\*\*: 5,750,200 gallons

---

**Completed Phase(s)**

Phase I Demolition (Completed August 2016)

Potable Water Used: 612,700 gallons

Reclaim Water Used: 0 gallons

Phase II Construction Total Water Use (Completed December 2018)

Potable Water Used: 6,575,440 gallons

Reclaim Water Used: 13,145,265 gallons

Phase III Decommissioning (Completed October 2019)

Potable Water Used\*: 0 gallons

Reclaim Water Used\*\*: 0 gallons

---

Cumulative Water Use Phase I, II, III, IV

Potable Water Used: 8,006,109 gallons

Reclaim Water Used: 18,895,465 gallons

\*Potable use includes sanitary, hydrotesting, landscape irrigation, and other plant operations, including Phase III Decommissioning and Phase IV Demolition not suitable for reclaim water use (worker contact applications).

\*\*Reclaim use includes dust control and compaction.

**SOIL&WATER-9**  
**Amended Carlsbad Energy Center Project**  
**07-AFC-06C**

Wastewater Generation and Disposal Summary  
Construction Phase

*Project was completed in August 2022.*

**ATTACHMENT L**

**GEN-2 and TSE-1  
MASTER DRAWING LIST UPDATE  
SEPTEMBER 2022**

***No master drawing list exists for demolition.***

**ATTACHMENT M**

**GEN-3  
PROOF OF PAYMENT TO DCBO  
SEPTEMBER 2022**



**WEST COAST CODE CONSULTANTS, Inc.**

5000 Executive Parkway, Suite 510

San Ramon, CA 94583

Federal Tax ID #20-4707579

Tel: (925) 275-1700 Fax: (925) 275-0600

E-Mail: LisaK@wc-3.com

**NRG Energy Inc**  
112 Telly Street  
New Roads, LA 70760

Email: invoices@nrg.com, Ralph.Wagner@nrg.com

|                      |                    |
|----------------------|--------------------|
| <b>Date:</b>         | September 13, 2022 |
| <b>Invoice No. :</b> | 222-08-CARL-01     |
| <b>Due Date:</b>     | Upon Receipt       |
| <b>PO Number:</b>    | 4501900578         |

Type of Service: Delegate Building Official Services

**Project: Carlsbad Energy Project**  
**August-2022**

**Field Inspection**

| <b>S. Hermsmeyer - DCBO</b>               | <b>Miles</b> | <b>Hours</b> | <b>Unit</b> | <b>Per Diem Rate</b> | <b>Rate</b> | <b>Amount</b> |
|---|--------------|--------------|-------------|----------------------|-------------|---------------|
| Regular Hours                             |              | 0.00         |             |                      | \$240.00    | \$ -          |
| OT Hours                                  |              | 0.00         |             |                      | \$360.00    | \$ -          |
| Dbl. OT Hours                             |              | 0.00         |             |                      | \$480.00    | \$ -          |
| Lodging                                   |              |              |             |                      |             | \$ -          |
| Meals                                     |              |              |             |                      |             | \$ -          |
| Mileage                                   | 0.00         |              |             |                      | 0.585       | \$ -          |
| <b>CBO Staff &amp; Consultants</b>        |              |              |             |                      |             |               |
| <b>CBO - G. Senaratne</b>                 |              | 0.00         |             |                      | \$ 315.00   | \$ -          |
| Airfare                                   |              |              |             |                      |             | \$ -          |
| Lodging                                   |              |              |             |                      |             | \$ -          |
| Meals                                     |              |              |             |                      |             | \$ -          |
| Rental Car                                |              |              |             |                      |             | \$ -          |
| Parking                                   |              |              |             |                      |             | \$ -          |
| Gas                                       |              |              |             |                      |             | \$ -          |
| <b>CBO - Chris Kimball</b>                |              | 3.00         |             |                      | \$ 315.00   | \$ 945.00     |
| Airfare                                   |              |              |             |                      |             |               |
| Lodging                                   |              |              |             |                      |             |               |
| Meals                                     |              |              |             |                      |             |               |
| Rental Car                                |              |              |             |                      |             |               |
| Parking                                   |              |              |             |                      |             |               |
| Gas                                       |              |              |             |                      |             |               |
| Fire Marshal                              |              | 0.00         |             |                      | \$ 315.00   | \$ -          |
| Lead Structural Plan Review Engineer      |              | 0.00         |             |                      | \$ 240.00   | \$ -          |
| Lead Electrical Plan Review Engineer      |              | 0.00         |             |                      | \$ 240.00   | \$ -          |
| Lead Mechanical Plan Review Engineer      |              | 0.00         |             |                      | \$ 240.00   | \$ -          |
| Lead Civil/Geology Plan Review Engineer   |              | 0.00         |             |                      | \$ 240.00   | \$ -          |
| Lead Building (Life/Safety) Plan Reviewer |              | 0.00         |             |                      | \$ 240.00   | \$ -          |
| Mechanical Plan Review Engineer           |              | 0.00         |             |                      | \$ 210.00   | \$ -          |
| Electrical Plan Review Engineer           |              | 0.00         |             |                      | \$ 210.00   | \$ -          |
| Structural Plan Review Engineer           |              | 0.00         |             |                      | \$ 210.00   | \$ -          |
| Worker Safety Monitor                     |              | 0.00         |             |                      | \$ 205.00   | \$ -          |
| Document Control                          |              | 1.00         |             |                      | \$ 120.00   | \$ 120.00     |
| Project Assistant                         |              | 0.00         |             |                      | \$ 120.00   | \$ -          |
| <b>Supplies</b>                           |              |              |             |                      |             |               |
|   |              |              |             |                      |             | \$ -          |
| <b>Electronic Document Control</b>        |              |              |             |                      |             |               |
| Web Based Document Control - Initial Cost |              |              |             |                      |             | \$ -          |
| Monthly Cost                              | 1            |              |             | \$                   | 1,000.00    | \$ 1,000.00   |

|                           |                    |
|---------------------------|--------------------|
| <b>Total</b>              | <b>\$ 2,065.00</b> |
| <b>Deposit</b>            | <b>\$ -</b>        |
| <b>Total This Invoice</b> | <b>\$ 2,065.00</b> |

Pay Period Month: August 2022

| Role                                      | Employee          | Hours   | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Total Hours |     |
|---|-------------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|-----|
| CBO                                       | Giyana Seanaratne | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| CBO                                       | Chris Kimball     | Regular |     |     | 1.0 |     | 1.0 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             | 3.0 |
| DCBO                                      | Steve Hermsmeyer  | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| DCBO                                      | Steve Hermsmeyer  | OT      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| DCBO                                      | Steve Hermsmeyer  | DT      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Lead Onsite Inspector                     | Chris Garramone   | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Lead Onsite Inspector                     | Chris Garramone   | OT      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Lead Onsite Inspector                     | Chris Garramone   | DT      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Onsite Inspector                          | Kent Ward         | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Onsite Inspector                          | Kent Ward         | OT      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Onsite Inspector                          | Kent Ward         | DT      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Onsite Inspector                          | Gary Ray          | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Onsite Inspector                          | Gary Ray          | OT      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Onsite Inspector                          | Gary Ray          | DT      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Fire Marshall                             |                   | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Lead Structural Plan Review Engineer      |                   | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Lead Electrical Plan Review Engineer      |                   | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Lead Mechanical Plan Review Engineer      |                   | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Lead Civil/Geology Plan Review Engineer   |                   | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Lead Building (Life/Safety) Plan Reviewer |                   | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Mechanical Plan Review Engineer           |                   | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Electrical Plan Review Engineer           |                   | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Structural Plan Review Engineer           |                   | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Worker Safety Monitor                     |                   | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |
| Document Control                          | Lisa Kimball      | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 1.0 |     | 1.00        |     |
| Project Assistant                         | Joshua Molnar     | Regular |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |     |

**ATTACHMENT N**

**CIVIL-1, GEN-6  
LIST OF DCBO APPROVALS and  
MECH-1  
CBO INSPECTION APPROVALS**

**SEPTEMBER 2022**

***No DCBO approvals or inspections were conducted for demolition.***

**LIST OF DCBO PLAN APPROVALS  
AND INSPECTIONS  
SEPTEMBER 2022**

The documents listed below have been approved by the Delegate Chief Building Official (DCBO).

| <b>CBO Package No.</b> | <b>Date Submitted</b> | <b>Description</b> | <b>COC</b> |
|------------------------|-----------------------|--------------------|------------|
|                        |                       |                    |            |

**CBO MECHANICAL INSPECTIONS  
SEPTEMBER 2022**

| <b>CBO Package No.</b> | <b>Date Submitted</b> | <b>Description</b> | <b>COC</b> |
|------------------------|-----------------------|--------------------|------------|
|                        |                       |                    |            |

**ATTACHMENT O**

**WORKER SAFETY-3  
CONSTRUCTION SAFETY SUPERVISOR  
MONTHLY SAFETY REPORT & SAFETY INCIDENTS  
SEPTEMBER 2022**

***Project has been completed. The final Construction Safety Supervisor Monthly Safety & Incident Report was submitted with the August 2022 MCR.***

**ATTACHMENT P**

**WORKER SAFETY-4  
CBO SAFETY MONITOR INSPECTION  
MONTHLY SAFETY REPORT  
SEPTEMBER 2022**

***The final CBO Monitor Inspection & Safety Report is submitted with  
this September 2022 MCR.***



PHOTOS:



Photo #1: [Placeholder text consisting of a grid of small squares]



**Photo #2:** A wide-angle photograph of an empty asphalt parking lot with white parking lines. In the foreground, there are landscaped islands with large rocks and small plants. In the background, a large industrial facility with many tall electrical transmission towers and power lines is visible under a clear blue sky.



**Photo #3:** This photograph shows the construction site for the proposed project. The site is a large, flat, sandy area with numerous tire tracks and orange traffic cones. In the background, there are utility structures, a fence, and some trees. The sky is clear and blue.



**Photo #4:** This photo shows the exterior of two yellow shipping containers. The container on the left has a white door and is surrounded by a yellow electrical cabinet, a red cabinet, orange traffic cones, and a black trash can. The container on the right has a blue tarp and a ladder leaning against it. A white Jamboree RV is parked to the right. The sky is clear blue with two orange balloons.



**Photo #5:** [Placeholder text consisting of a grid of small boxes]





**Photo #7:** A wide-angle photograph of a large, flat, cleared construction site under a clear blue sky. The ground is light brown dirt with visible tire tracks. On the left, there is a line of green bushes. In the background, there are trees and some buildings. A small structure with orange safety cones is visible on the right side of the site.



**Photo #8:** A wide-angle photograph of a large, empty concrete parking lot or industrial area. In the background, there are several tall utility poles with multiple power lines stretching across the sky. A white building is visible in the distance. The sky is clear and blue.



**Photo #9:** Two green electrical cabinets (ABB) with red 'X' marks on their doors, indicating they are out of service. The cabinets are mounted on a concrete pad. The background features a clear blue sky, power lines, and a distant horizon with some vegetation and structures.



**Photo #10:** A wide-angle photograph of a large, empty paved area, possibly a parking lot or a road under construction. The foreground shows a cracked asphalt surface. In the middle ground, there is a large, flat, light-colored area that appears to be a dirt or sand pad. To the left, there are several high-voltage power lines and utility poles. In the background, there are more power lines, a fence, and some trees under a clear blue sky with a few small clouds.



**Photo #11:** This photograph shows the site after the initial grading and excavation work. The large, flat area is composed of sand and silt, with some areas showing signs of being graded or prepared for future construction. The background features a line of palm trees and utility poles, indicating the site's location in a coastal or semi-arid region. The sky is clear and blue, suggesting a bright, sunny day.



Photo #12: [Placeholder text consisting of a series of small, illegible characters]



Photo #13: [Placeholder text]

END OF REPORT

**ATTACHMENT Q**

**CIVIL-3 AND STRUC-2  
NON-CONFORMANCE REPORT LOG**

***No non-conformance reports for demolition.***

**ATTACHMENT R**

**Notification of Completion**

***Submitted previously on September 27, 2022.***



**Cabrillo Power I, LLC**  
4600 Carlsbad Boulevard  
Carlsbad, CA 92008  
Phone: 760-930-1505  
Fax: 760-268-4000

September 27, 2022

Mr. Anwar Ali, PhD  
Compliance Project Manager  
Amended Carlsbad Energy Center Project (07-AFC-06C)  
California Energy Commission  
1516 Ninth Street (MS-2000)  
Sacramento, CA 95814

**RE: AMENDED CARLSBAD ENERGY CENTER PROJECT, DOCKET NO. 07-AFC-06C, PHASE IV - DEMOLITION OF ENCINA POWER STATION NOTIFICATION OF COMPLETION**

Dear Dr. Ali:

Cabrillo Power I, LLC ("Project Owner") submits this Notification of Completion and requests closeout of Phase IV (demolition of the Encina Power Station) of the AFC Docket No. 07-AFC-06C for the Amended Carlsbad Energy Center Project (ACECP) located at 4600 Carlsbad Boulevard, Carlsbad, California.

Demolition of Encina Power Station above grade structures was completed in August 2022, with the demolition contractor having fully demobilized by August 31, 2022. Delegate California Building Official (DCBO), West Coast Code Consultants (WC3) conducted their final inspection on September 1 and subsequently submitted their Closeout Report on September 2, 2022.

Demolition activities have been completed. A final Monthly Compliance Report (MCR) will be submitted as the September 2022 MCR and will include a copy of this notification.

If you have any questions or comments, please do not hesitate to contact me at (760) 707-6833.

Sincerely,

A handwritten signature in blue ink, appearing to read "George L. Piantka". The signature is fluid and cursive, written over a light blue horizontal line.

George L. Piantka, PE  
Sr. Director, Environmental  
NRG Energy, Inc.

Attached: None  
cc: File

**ATTACHMENT S**  
**DCBO CLOSE-OUT REPORT**



Submitted by: Chris Kimball, C.B.O.  
West Coast Code Consultants, Inc.

September 2, 2022

DCBO Closeout Report

*Demolition*

*Encina Power Station (EPS)*

(Docket #07-AFC-06C)

Carlsbad Energy Center – Phase IV



## DCBO Closeout Report

September 2, 2022

**ACCEPTANCE**

**Dr. Anwar Ali**

Compliance Project Manager  
California Energy Commission  
Energy Facilities Siting Division  
1516 Ninth Street, MS 15  
Sacramento, CA 95814-5512  
Sent via email: [anwar.ali@energy.ca.gov](mailto:anwar.ali@energy.ca.gov)

**Re: EPS Demolition (Docket#07-AFC-06C) – DCBO Project Completion**

Dear Dr. Ali:

On behalf of the California Energy Commission, West Coast Code Consultants, Inc. (WC<sup>3</sup>) has completed the final inspection for the EPS Demolition, which is Phase IV associated with Docket #07-AFC-06C. All DCBO tasks associated with this Phase of the work are now complete and the work performed appears to have followed all appropriate Conditions of Certification (COCs) and Laws, Ordinances, Regulations, and Standards (LORS).

Accepted construction documents, inspection reports, safety monitor reports, and other documentation have been uploaded to the WC<sup>3</sup> portal for access, download and future reference. Please feel free to reach out to me ([chrisk@wc-3.com](mailto:chrisk@wc-3.com); 801-682-5031) with any questions that you might have.

Sincerely,

**West Coast Code Consultants, Inc. (WC<sup>3</sup>)**



Chris Kimball, PE, MCP, CBO  
Chief Building Official  
WC<sup>3</sup> Vice President

# Project Wrap-Up Summary

## 1. Description of Work:

- a. The EPS demolition was Phase IV of Docket #07-AFC-06C. This included the demolition of the 200-foot power plant building, the 400-foot emission stack, the main warehouse structure, the administrative/office building, two maintenance buildings, the outer guard shack, two domestic water tanks, and fuel oil piping and supports. All foundations have been removed to below grade as noted in the demolition plan and the overall site has been graded and is clean.
- b. The “Schedule” included in the Final Commission Decision also notes that ocean water intake/discharge piping, structures, and equipment are to be demolished as part of the Phase IV work. The actual intake, screens, and a portion of the tunnels have not yet been demolished as they are being used by the Claude Lewis Carlsbad Desalination Plant. That being said, the tunnel sections that fed the power plant have been filled. The Desalination Plant is in the process of constructing a new intake and pump facility. Once that is complete, they will be demolishing the remainder of the old intake facility and small portion of tunnels and appurtenant structures that remain.
- c. Most of the concrete was crushed and reused as fill for the site. All construction debris that was not reused as fill was removed from the site. Over 100,000 cubic yards of soil and concrete was placed in lifts and compacted to bring the Power Plant footprint to the required grade. Select areas, such as portions of the tunnels were filled with flowable fill. It is estimated that over 500,000 man-hours were spent on the demolition phase of this project.

## 2. Punch-List Items:

- a. All punch list items have been resolved.

## 3. Summary of plan review activity:

- a. Four different review packages were provided for this project. This included the following:
  - i. *Demolition Execution Plan* – As required by COC Worker Safety-1, the demolition plan was submitted on 12/4/2019 for DCBO review. After a comment period the plan was approved on 1/17/2020 and has been uploaded to the online project portal.
  - ii. *Site-Specific Health & Safety Plan* – As required by COC Worker Safety-1, the construction safety and health plan was submitted on 2/12/2020 for

## DCBO Closeout Report

DCBO and safety monitor review. The approved plan was uploaded to the online project portal on 3/4/2020.

- iii. *Temporary Power* – The Brandenburg construction trailer plans were initially submitted on 1/9/2020 for DCBO review. The approved plans were then uploaded to the online project portal on 2/12/2020.
  - iv. *Temporary Trailers* – The temporary power plans for the demolition and abatement work were initially submitted on 12/15/2021 for DCBO review. The approved plans were placed on the online project portal on 1/5/2022.
- b. All necessary plan review items were provided, reviewed, and permitted in accordance with the COCs, the California Building Code, and applicable laws, ordinances, regulations, and standards (LORS).

#### **4. Final Summary of inspection and safety monitor activity:**

- a. Before the project began it was determined that the code inspection and safety monitor duties would both be handled by the WC<sup>3</sup> inspector, Steve Hermsmeyer. For demolition activities of this sort, there are not many code-related items that need to be met, however there are several safety concerns for large demolition activities such as this and a safety monitor was required per Worker Safety-4 of the Final Commission Decision.
- b. In total, WC<sup>3</sup> made thirty-five (35) visits to the site throughout the demolition project. The initial site visit was performed in January 9, 2020 while the final site visit was made yesterday, September 1, 2022. Reports from each of these visits have been uploaded to the online project portal.
- c. In addition to the site visits, WC<sup>3</sup> attended monthly coordination meetings with NRG and the CEC to maintain abreast of the project status and to coordinate any needed DCBO and safety monitor items.
- d. As of the final inspection on September 1, 2022, all requirements outlined in the COCs, LORS, and Demolition Plan appear to have been completed. All structures have been removed, the site is well-graded, and everything is very clean. The site now appears to be ready for redevelopment, which was the stated desire in the “Amendments” section of the Final Commission Decision.

#### **5. Final close-out:**

- a. In summary, all DCBO requirements for this project have been completed and the demolition work appears to comply with the Demolition Plan, the COCs, and applicable LORS.

## DCBO Closeout Report

- b. All approved construction documents, site visit reports, and other data are available for download at the WC<sup>3</sup> Plans Portal at the following web link:  
<https://plans.wc-3.com/submittals/main/36994>

**[END]**